Labor Market Estimating Conference Executive Summary

August 2, 2023

The Labor Market Estimating Conference (LMEC) met on August 2, 2023, for the second time during the summer conference season. The purpose was to discuss the adoption of official information pursuant to s. 216.136, F.S. as amended by Chapter 2023-81, Laws of Florida. The cumulative impact of the law changes made during the 2023 Session charge the LMEC with providing long-term strategic direction regarding at-risk areas of Florida's labor market. In addition, the Conference considered detailed wage data to support the Florida Credentials Review Committee. The LMEC reviewed multiple products to meet these objectives.

1. Critical Occupational Groups of Concern

A prior conference adopted 101 occupational areas of concern that were further organized by occupational group. By group, the demand for those occupations in the 10th year of the forecast was then compared to the total statewide demand for all occupations. By percentage of demand represented by the occupational areas of concern, two groups stood out: (1) Healthcare Practitioners and Technical Occupations with occupational areas of concern that represent 3.4% of statewide demand in that year; and (2) Healthcare Support Occupations with occupational areas of concern that represent 2.1% of statewide demand in that year. These occupational groups are particularly appropriate for this designation because the scopes of practice for the underlying occupations are rapidly evolving with further changes expected over the next decade, making the precise job responsibilities more fluid and harder to predict. Further, past legislative actions have focused on the need for innovative demand-side measures, as well as the more traditional supply-side approach generally set in motion by the law's interaction with conference decisions.

CONFERENCE ACTION: The methodology and two proposed "Critical Occupational Groups of Concern" for healthcare were discussed, but official action was postponed until a subsequent meeting.

2. Occupational Wages

The conference considered documents and metrics that address designations of "Representative Starting Wage", "Average Annual Wage", and "High-Level Wage Threshold" metrics for all occupations and by educational requirement. For Conference purposes, the "Representative Starting Wage" was defined to be the 10th percentile; the "Average Annual Wage" was the mean wage; while the "High-Level Wage Threshold" was defined as the 75th percentile of all relevant wages in Florida. Analyses were presented and conceptually discussed for the following:

- Statewide and Workforce Region Wage Summaries
- Statewide and Workforce Region Wages by Detailed Occupation

CONFERENCE ACTION: The documents and concepts were adopted as presented. See Conference products for the adopted lists.

Florida Labor Market Estimating Conference

Held August 2, 2023 FINAL

Wage Metrics and Data – SUMMARIES: Statewide and Workforce Region

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Statewide Wage Summary

					Representative	Starting Wage	Average Ar	nnual Wage	High-Level Wa	age Threshold
	Number of SOCs by Educational	Representative	Average Annual	High-Level Wage	Does Not Meet		Does Not Meet		Does Not Meet	
	Requirement	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Metric	Meets Metric	Metric	Meets Metric	Metric	Meets Metric
All Occupations	832	25,070	55,980	63,220	314	518	492	340	488	344
No formal educational credential	85	22,090	31,780	35,150	24.71%	75.29%	32.94%	67.06%	34.12%	65.88%
High school diploma or equivalent	239	27,500	46,450	51,760	41.84%	58.16%	76.15%	23.85%	74.06%	25.94%
Some college, no degree	49	24,980	44,620	50,380	16.33%	83.67%	34.69%	65.31%	32.65%	67.35%
Postsecondary nondegree award	90	29,240	47,400	53,450	25.56%	74.44%	41.11%	58.89%	35.56%	64.44%
Associate's degree	68	29,380	58,430	74,330	16.18%	83.82%	44.12%	55.88%	60.29%	39.71%
Bachelor's degree	185	40,050	90,060	103,960	49.19%	50.81%	67.03%	32.97%	62.70%	37.30%
Master's degree	43	38,310	82,780	102,550	46.51%	53.49%	58.14%	41.86%	69.77%	30.23%
Doctoral or professional degree	73	50,160	147,960	171,450	54.79%	45.21%	67.12%	32.88%	64.38%	35.62%

Workforce Region 1
All Occupations
No formal educational credential
High school diploma or equivalent
Some college, no degree
Postsecondary nondegree award
Associate's degree
Bachelor's degree
Master's degree
Doctoral or professional degree

				Representative Starting Wage		Average Annual Wage		High-Level Wage Threshold	
Number of SOCs									
by Educational	Representative	Average Annual	High-Level Wage	Does Not Meet		Does Not Meet		Does Not Meet	
Requirement	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Metric	Meets Metric	Metric	Meets Metric	Metric	Meets Metric
820	32,915	51,745	58,820	490	330	468	352	464	356
82	22,630	29,832	32,645	37.80%	62.20%	31.71%	68.29%	32.93%	67.07%
232	29,229	43,584	49,915	67.24%	32.76%	75.86%	24.14%	79.31%	20.69%
49	27,609	40,227	45,168	34.69%	65.31%	28.57%	71.43%	30.61%	69.39%
89	30,425	43,052	49,349	43.82%	56.18%	33.71%	66.29%	34.83%	65.17%
68	37,457	54,494	61,776	67.65%	32.35%	39.71%	60.29%	38.24%	61.76%
184	44,657	79,183	92,992	60.33%	39.67%	64.13%	35.87%	60.33%	39.67%
43	56,908	82,275	92,950	79.07%	20.93%	65.12%	34.88%	58.14%	41.86%
73	68,272	142,768	142,958	76.71%	23.29%	67.12%	32.88%	61.64%	38.36%

Workforce Region 2
All Occupations
No formal educational credential
High school diploma or equivalent
Some college, no degree
Postsecondary nondegree award
Associate's degree
Bachelor's degree
Master's degree
Doctoral or professional degree

				Representative	Starting Wage	Average Ar	nnual Wage	High-Level Wage Threshold	
Number of SOCs by Educational	Representative	Average Annual	High-Level Wage	Does Not Meet		Does Not Meet		Does Not Meet	
Requirement	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Metric	Meets Metric	Metric	Meets Metric	Metric	Meets Metric
809	34,246	55,411	63,390	503	306	499	310	490	319
82	23,129	31,342	34,209	36.59%	63.41%	35.37%	64.63%	32.93%	67.07%
227	30,279	45,932	53,052	72.25%	27.75%	81.06%	18.94%	81.50%	18.50%
49	28,768	43,214	49,544	30.61%	69.39%	32.65%	67.35%	38.78%	61.22%
88	30,870	46,976	54,025	42.05%	57.95%	42.05%	57.95%	40.91%	59.09%
67	41,569	58,839	66,796	68.66%	31.34%	53.73%	46.27%	47.76%	52.24%
183	49,059	89,598	104,973	66.12%	33.88%	66.67%	33.33%	66.67%	33.33%
43	55,641	84,346	96,686	76.74%	23.26%	65.12%	34.88%	60.47%	39.53%
70	65,831	149,060	151,746	81.43%	18.57%	67.14%	32.86%	61.43%	38.57%

Workforce Region 3
All Occupations
No formal educational credential
High school diploma or equivalent
Some college, no degree
Postsecondary nondegree award
Associate's degree
Bachelor's degree
Master's degree
Doctoral or professional degree

				Representative	Starting Wage	Average Ar	nnual Wage	High-Level Wage Threshold	
Number of SOCs by Educational Requirement	Representative Starting Wage (\$)	Average Annual Wage (\$)	High-Level Wage Threshold (\$)	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric
760	31,871	48,531	55,108	476	284	417	343	413	347
76	23,410	30,024	32,689	51.32%	48.68%	36.84%	63.16%	39.47%	60.53%
205	29,561	42,494	48,087	78.05%	21.95%	78.54%	21.46%	76.59%	23.41%
47	24,997	36,482	40,997	25.53%	74.47%	19.15%	80.85%	19.15%	80.85%
83	30,303	42,605	48,673	55.42%	44.58%	34.94%	65.06%	39.76%	60.24%
63	34,198	52,191	60,837	57.14%	42.86%	42.86%	57.14%	39.68%	60.32%
179	40,356	70,997	82,609	57.54%	42.46%	53.63%	46.37%	53.07%	46.93%
38	46,291	70,918	84,017	71.05%	28.95%	60.53%	39.47%	57.89%	42.11%
69	64,519	117,709	126,392	76.81%	23.19%	63.77%	36.23%	60.87%	39.13%

Workforce Region 4
All Occupations

No formal educational credential High school diploma or equivalent Some college, no degree Postsecondary nondegree award Associate's degree Bachelor's degree Master's degree Doctoral or professional degree

				Representative Starting Wage		Average Annual Wage		High-Level Wage Threshold	
Number of SOCs									
by Educational	Representative	Average Annual	High-Level Wage	Does Not Meet		Does Not Meet		Does Not Meet	
Requirement	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Metric	Meets Metric	Metric	Meets Metric	Metric	Meets Metric
802	32,129	50,680	57,422	466	336	465	337	453	349
81	22,672	30,328	33,433	37.04%	62.96%	32.10%	67.90%	32.10%	67.90%
225	29,582	43,787	49,686	68.00%	32.00%	77.78%	22.22%	75.56%	24.44%
48	27,083	38,131	43,014	29.17%	70.83%	20.83%	79.17%	18.75%	81.25%
88	30,625	43,356	49,525	40.91%	59.09%	37.50%	62.50%	42.05%	57.95%
67	38,435	56,795	65,295	64.18%	35.82%	53.73%	46.27%	50.75%	49.25%
181	44,360	78,820	92,570	57.46%	42.54%	60.22%	39.78%	58.01%	41.99%
42	52,950	82,898	95,218	73.81%	26.19%	64.29%	35.71%	64.29%	35.71%
70	62,464	156,059	150,240	78.57%	21.43%	70.00%	30.00%	64.29%	35.71%

Workforce Region 5
All Occupations
No formal educational credential
High school diploma or equivalent
Some college, no degree
Postsecondary nondegree award
Associate's degree
Bachelor's degree
Master's degree
Doctoral or professional degree

				Representative	Representative Starting Wage		nnual Wage	High-Level Wage Threshold	
Number of SOCs									
by Educational	Representative	Average Annual	High-Level Wage	Does Not Meet		Does Not Meet		Does Not Meet	
Requirement	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Metric	Meets Metric	Metric	Meets Metric	Metric	Meets Metric
817	32,643	51,661	58,320	442	375	436	381	442	375
82	22,140	28,611	31,343	35.37%	64.63%	30.49%	69.51%	32.93%	67.07%
230	28,421	42,080	48,351	66.52%	33.48%	73.04%	26.96%	76.52%	23.48%
49	26,941	40,563	45,648	36.73%	63.27%	28.57%	71.43%	30.61%	69.39%
89	28,422	40,557	46,011	29.21%	70.79%	29.21%	70.79%	30.34%	69.66%
67	34,775	51,658	59,855	52.24%	47.76%	37.31%	62.69%	37.31%	62.69%
184	41,320	71,624	81,874	56.52%	43.48%	61.41%	38.59%	60.33%	39.67%
43	46,357	68,909	75,916	67.44%	32.56%	48.84%	51.16%	46.51%	53.49%
73	56,060	113,597	118,448	65.75%	34.25%	60.27%	39.73%	56.16%	43.84%

Workforce Region 6
All Occupations
No formal educational credential
High school diploma or equivalent
Some college, no degree
Postsecondary nondegree award
Associate's degree
Bachelor's degree
Master's degree
Doctoral or professional degree

				Representative	Starting Wage	Average Annual Wage		High-Level Wage Threshold	
Number of SOCs by Educational	Representative	Average Annual	High-Level Wage	Does Not Meet		Does Not Meet		Does Not Meet	
Requirement	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Metric	Meets Metric	Metric	Meets Metric	Metric	Meets Metric
743	30,228	45,811	52,103	430	313	403	340	401	342
77	22,561	29,311	32,017	48.05%	51.95%	38.96%	61.04%	42.86%	57.14%
208	29,612	42,779	48,451	75.00%	25.00%	77.40%	22.60%	76.92%	23.08%
47	24,836	38,436	42,398	25.53%	74.47%	21.28%	78.72%	21.28%	78.72%
82	29,088	41,682	47,308	45.12%	54.88%	36.59%	63.41%	40.24%	59.76%
63	32,223	47,668	53,181	46.03%	53.97%	33.33%	66.67%	25.40%	74.60%
176	39,744	70,822	83,127	56.25%	43.75%	55.68%	44.32%	56.82%	43.18%
35	44,488	68,276	78,361	71.43%	28.57%	57.14%	42.86%	51.43%	48.57%
55	56,932	110,526	124,786	63.64%	36.36%	60.00%	40.00%	56.36%	43.64%

Workforce Region 7
All Occupations

No formal educational credential High school diploma or equivalent Some college, no degree Postsecondary nondegree award Associate's degree Bachelor's degree Master's degree Doctoral or professional degree

				Representative Starting Wage		Average Annual Wage		High-Level Wage Threshold	
Number of SOCs									
by Educational	Representative	Average Annual	High-Level Wage	Does Not Meet		Does Not Meet		Does Not Meet	
Requirement	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Metric	Meets Metric	Metric	Meets Metric	Metric	Meets Metric
774	32,026	49,469	56,510	487	287	458	316	444	330
76	23,339	31,222	34,643	53.95%	46.05%	42.11%	57.89%	47.37%	52.63%
214	29,493	43,323	49,748	75.23%	24.77%	80.37%	19.63%	78.04%	21.96%
47	26,507	40,551	45,757	31.91%	68.09%	34.04%	65.96%	29.79%	70.21%
86	30,248	43,284	50,287	46.51%	53.49%	37.21%	62.79%	40.70%	59.30%
65	36,504	53,568	60,370	67.69%	32.31%	46.15%	53.85%	40.00%	60.00%
179	41,796	73,391	85,277	57.54%	42.46%	60.34%	39.66%	58.10%	41.90%
39	50,180	76,203	86,276	76.92%	23.08%	61.54%	38.46%	51.28%	48.72%
68	63,504	119,547	128,586	77.94%	22.06%	64.71%	35.29%	61.76%	38.24%

Workforce Region 8
All Occupations
No formal educational credential
High school diploma or equivalent
Some college, no degree
Postsecondary nondegree award
Associate's degree
Bachelor's degree
Master's degree

Doctoral or professional degree

				Representative Starting Wage		Average Annual Wage		High-Level Wage Threshold	
Number of SOCs									
by Educational	Representative	Average Annual	High-Level Wage	Does Not Meet		Does Not Meet		Does Not Meet	
Requirement	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Metric	Meets Metric	Metric	Meets Metric	Metric	Meets Metric
829	35,011	56,599	64,253	511	318	494	335	483	346
85	24,067	31,705	34,405	42.35%	57.65%	31.76%	68.24%	32.94%	67.06%
236	30,643	46,583	53,234	66.95%	33.05%	79.24%	20.76%	77.54%	22.46%
49	29,601	44,407	49,585	40.82%	59.18%	32.65%	67.35%	28.57%	71.43%
90	33,369	47,552	54,357	47.78%	52.22%	37.78%	62.22%	38.89%	61.11%
68	40,199	59,641	68,108	66.18%	33.82%	50.00%	50.00%	45.59%	54.41%
185	48,851	90,074	105,537	63.24%	36.76%	64.86%	35.14%	65.41%	34.59%
43	53,389	83,142	95,514	76.74%	23.26%	58.14%	41.86%	58.14%	41.86%
73	71,371	157,726	152,950	80.82%	19.18%	69.86%	30.14%	63.01%	36.99%

Workforce Region 9
All Occupations
No formal educational credential
High school diploma or equivalent
Some college, no degree
Postsecondary nondegree award
Associate's degree
Bachelor's degree
Master's degree
Doctoral or professional degree

				Representative	Starting Wage	Average Ar	nnual Wage	High-Level Wa	age Threshold
Number of SOCs by Educational Requirement	Representative Starting Wage (\$)	Average Annual Wage (\$)	High-Level Wage Threshold (\$)	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric
813	34,559	54,725	61,968	479	334	456	357	464	349
81	23,199	30,723	33,670	43.21%	56.79%	35.80%	64.20%	35.80%	64.20%
228	29,179	43,301	49,338	65.79%	34.21%	75.44%	24.56%	79.39%	20.61%
49	28,937	42,665	48,824	42.86%	57.14%	32.65%	67.35%	34.69%	65.31%
88	29,440	42,373	48,153	32.95%	67.05%	26.14%	73.86%	28.41%	71.59%
67	39,064	55,739	63,965	70.15%	29.85%	43.28%	56.72%	49.25%	50.75%
184	46,526	81,833	94,933	66.30%	33.70%	66.85%	33.15%	64.13%	35.87%
43	49,890	73,863	80,650	67.44%	32.56%	51.16%	48.84%	46.51%	53.49%
73	56,942	110,695	119,196	63.01%	36.99%	57.53%	42.47%	56.16%	43.84%

Workforce Region 10
All Occupations
No formal educational credential
High school diploma or equivalen

High school diploma or equivalent Some college, no degree Postsecondary nondegree award Associate's degree Bachelor's degree Master's degree Doctoral or professional degree

Representative Starting Wage Average Annual Wage High-Level Wage Threshold Number of SOCs by Educational **High-Level Wage Does Not Meet Does Not Meet** Does Not Meet Representative **Average Annual** Requirement Starting Wage (\$) Wage (\$) Threshold (\$) Metric **Meets Metric** Metric **Meets Metric** Metric Meets Metric 819 30,810 48,284 54.686 467 352 453 366 458 361 83 22.721 29.985 32.737 45.78% 54.22% 31.33% 68.67% 34.94% 65.06% 234 27,992 42,791 49.030 58.12% 41.88% 75.64% 24.36% 79.91% 20.09% 49 26,059 38,050 42,197 28.57% 71.43% 24.49% 75.51% 22.45% 77.55% 89 29,159 41,358 46,801 41.57% 58.43% 28.09% 71.91% 31.46% 68.54% 68 36,348 51,586 56,893 64.71% 35.29% 44.12% 55.88% 39.71% 60.29% 182 43,602 76,439 88.949 60.99% 39.01% 59.89% 40.11% 58.79% 41.21% 41 47.155 77,021 89.019 70.73% 29.27% 60.98% 39.02% 56.10% 43.90% 73 65,553 144.861 149.287 79.45% 20.55% 67.12% 32.88% 63.01% 36.99%

Workforce Region 11
All Occupations
No formal educational credential
High school diploma or equivalent
Some college, no degree

Some college, no degree Postsecondary nondegree award Associate's degree Bachelor's degree Master's degree

Doctoral or professional degree

Representative Starting Wage Average Annual Wage High-Level Wage Threshold Number of SOCs **High-Level Wage Does Not Meet** by Educational Representative **Average Annual Does Not Meet Does Not Meet** Requirement Starting Wage (\$) Threshold (\$) Metric **Meets Metric Meets Metric** Metric Meets Metric Wage (\$) Metric 30,724 55,326 366 449 820 48,791 438 382 454 371 83 22.590 29.910 32.711 40.96% 59.04% 27.71% 72.29% 31.33% 68.67% 234 28,061 42,070 47.818 54.70% 45.30% 70.51% 29.49% 72.22% 27.78% 49 27,088 38,671 43,656 32.65% 67.35% 28.57% 71.43% 26.53% 73.47% 89 29,475 41,942 47,606 33.71% 66.29% 30.34% 69.66% 33.71% 66.29% 36.76% 52,968 59,394 63.24% 51.47% 48.53% 44.12% 55.88% 68 37,911 62.09% 64.84% 35.16% 182 43,050 78,437 91,570 59.34% 40.66% 37.91% 48.944 42.86% 42 78.959 92.655 78.57% 21.43% 61.90% 38.10% 57.14% 73 51,552 126,738 134.605 63.01% 36.99% 63.01% 36.99% 60.27% 39.73%

Workforce Region 12 All Occupations

No formal educational credential High school diploma or equivalent Some college, no degree Postsecondary nondegree award Associate's degree Bachelor's degree Master's degree Doctoral or professional degree

				Representative Starting Wage		Average Annual Wage		High-Level Wa	age Threshold
Number of SOCs									
by Educational	Representative	Average Annual	High-Level Wage	Does Not Meet		Does Not Meet		Does Not Meet	
Requirement	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Metric	Meets Metric	Metric	Meets Metric	Metric	Meets Metric
830	33,920	54,909	62,207	483	347	492	338	482	348
85	23,522	32,239	34,858	36.47%	63.53%	34.12%	65.88%	32.94%	67.06%
237	30,325	46,572	53,327	60.76%	39.24%	77.64%	22.36%	80.59%	19.41%
49	29,426	41,296	45,020	34.69%	65.31%	28.57%	71.43%	18.37%	81.63%
90	31,506	46,450	53,601	45.56%	54.44%	34.44%	65.56%	38.89%	61.11%
68	39,272	57,438	65,736	58.82%	41.18%	50.00%	50.00%	45.59%	54.41%
185	49,579	91,102	105,629	66.49%	33.51%	67.03%	32.97%	64.86%	35.14%
43	52,095	82,313	94,994	76.74%	23.26%	62.79%	37.21%	51.16%	48.84%
73	68,379	150,313	155,125	73.97%	26.03%	67.12%	32.88%	63.01%	36.99%

Workforce Region 13
All Occupations

No formal educational credential High school diploma or equivalent Some college, no degree Postsecondary nondegree award Associate's degree Bachelor's degree Master's degree Doctoral or professional degree

				Representative	Starting Wage	Average Ar	nnual Wage	High-Level Wa	age Threshold
Number of SOCs									
by Educational	Representative	Average Annual	High-Level Wage	Does Not Meet		Does Not Meet		Does Not Meet	
Requirement	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Metric	Meets Metric	Metric	Meets Metric	Metric	Meets Metric
824	36,563	58,859	67,339	523	301	504	320	500	324
82	23,574	31,461	34,470	41.46%	58.54%	35.37%	64.63%	34.15%	65.85%
237	30,016	45,799	52,835	68.78%	31.22%	79.75%	20.25%	79.75%	20.25%
49	28,315	42,358	48,007	32.65%	67.35%	28.57%	71.43%	30.61%	69.39%
89	31,793	45,207	52,581	44.94%	55.06%	33.71%	66.29%	38.20%	61.80%
68	40,402	59,959	70,152	67.65%	32.35%	51.47%	48.53%	51.47%	48.53%
183	53,454	95,193	110,960	71.04%	28.96%	70.49%	29.51%	69.95%	30.05%
43	57,199	83,699	97,088	81.40%	18.60%	67.44%	32.56%	60.47%	39.53%
73	75,267	154,598	154,715	80.82%	19.18%	67.12%	32.88%	61.64%	38.36%

Workforce Region 14
All Occupations
No formal educational credential
High school diploma or equivalent
Some college, no degree
Postsecondary nondegree award
Associate's degree
Bachelor's degree
Master's degree
Doctoral or professional degree

				Representative	Starting Wage	Average Ar	nnual Wage	High-Level Wa	age Threshold
Number of SOCs									
by Educational	Representative	Average Annual	High-Level Wage	Does Not Meet		Does Not Meet		Does Not Meet	
Requirement	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Metric	Meets Metric	Metric	Meets Metric	Metric	Meets Metric
825	35,005	57,399	65,042	492	333	494	331	492	333
83	23,571	31,643	34,330	37.35%	62.65%	32.53%	67.47%	30.12%	69.88%
235	30,281	46,108	52,455	65.96%	34.04%	79.15%	20.85%	80.85%	19.15%
49	30,111	45,810	53,047	46.94%	53.06%	38.78%	61.22%	40.82%	59.18%
90	31,448	44,529	50,148	40.00%	60.00%	30.00%	70.00%	35.56%	64.44%
68	42,090	58,846	66,302	64.71%	35.29%	51.47%	48.53%	51.47%	48.53%
184	48,844	92,019	106,621	61.41%	38.59%	69.02%	30.98%	68.48%	31.52%
43	53,126	80,815	93,606	74.42%	25.58%	58.14%	41.86%	44.19%	55.81%
73	70,258	152,040	158,534	79.45%	20.55%	65.75%	34.25%	61.64%	38.36%

Workforce Region 15
All Occupations
No formal educational credential
High school diploma or equivalent
Some college, no degree
Postsecondary nondegree award
Associate's degree
Bachelor's degree
Master's degree
Doctoral or professional degree

				Representative	Starting Wage	Average Ar	nnual Wage	High-Level W	age Threshold
Number of SOCs by Educational Requirement	Representative Starting Wage (\$)	Average Annual Wage (\$)	High-Level Wage Threshold (\$)	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric
829	36,352	60,363	68,864	506	323	506	323	499	330
85	23,809	31,939	34,459	38.82%	61.18%	35.29%	64.71%	32.94%	67.06%
236	30,939	48,257	55,192	67.37%	32.63%	82.20%	17.80%	80.51%	19.49%
49	30,069	46,832	54,144	40.82%	59.18%	40.82%	59.18%	44.90%	55.10%
90	32,466	47,188	54,628	46.67%	53.33%	36.67%	63.33%	42.22%	57.78%
68	40,948	59,201	67,180	64.71%	35.29%	50.00%	50.00%	45.59%	54.41%
185	50,547	95,088	110,727	66.49%	33.51%	68.11%	31.89%	68.65%	31.35%
43	54,688	82,669	94,704	65.12%	34.88%	48.84%	51.16%	46.51%	53.49%
73	73,054	148,313	158,413	78.08%	21.92%	65.75%	34.25%	58.90%	41.10%

Workforce Region 16
All Occupations

No formal educational credential High school diploma or equivalent Some college, no degree Postsecondary nondegree award Associate's degree Bachelor's degree Master's degree Doctoral or professional degree

				Representative	Starting Wage	Average Ar	nual Wage	High-Level Wa	age Threshold
Number of SOCs									
by Educational	Representative	Average Annual	High-Level Wage	Does Not Meet		Does Not Meet		Does Not Meet	
Requirement	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Metric	Meets Metric	Metric	Meets Metric	Metric	Meets Metric
815	33,097	51,871	58,017	468	347	458	357	451	364
83	23,824	31,328	33,936	40.96%	59.04%	33.73%	66.27%	33.73%	66.27%
232	29,564	44,341	50,199	62.50%	37.50%	72.41%	27.59%	75.00%	25.00%
49	27,362	40,679	46,787	26.53%	73.47%	28.57%	71.43%	28.57%	71.43%
89	29,698	43,313	49,524	28.09%	71.91%	28.09%	71.91%	35.96%	64.04%
67	41,258	55,490	63,133	71.64%	28.36%	46.27%	53.73%	40.30%	59.70%
182	45,546	81,584	93,047	60.44%	39.56%	62.64%	37.36%	58.79%	41.21%
40	56,281	82,338	94,662	82.50%	17.50%	67.50%	32.50%	55.00%	45.00%
73	77,688	160,731	162,451	82.19%	17.81%	69.86%	30.14%	64.38%	35.62%

Workforce Region 17
All Occupations
No formal educational credential
High school diploma or equivalent
Some college, no degree
Postsecondary nondegree award
Associate's degree
Bachelor's degree
Master's degree
Doctoral or professional degree

				Representative	Starting Wage	Average Ar	nnual Wage	High-Level Wa	age Threshold
Number of SOCs									
by Educational	Representative	Average Annual	High-Level Wage	Does Not Meet		Does Not Meet		Does Not Meet	
Requirement	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Metric	Meets Metric	Metric	Meets Metric	Metric	Meets Metric
824	33,138	51,600	58,219	530	294	490	334	482	342
84	23,857	31,641	34,681	45.24%	54.76%	38.10%	61.90%	39.29%	60.71%
235	30,035	44,758	50,838	71.06%	28.94%	78.30%	21.70%	79.57%	20.43%
49	28,779	40,254	46,443	42.86%	57.14%	30.61%	69.39%	28.57%	71.43%
89	32,042	45,558	51,404	55.06%	44.94%	37.08%	62.92%	35.96%	64.04%
68	37,917	54,589	62,017	63.24%	36.76%	41.18%	58.82%	41.18%	58.82%
184	46,280	82,428	95,992	64.13%	35.87%	65.76%	34.24%	65.22%	34.78%
42	49,893	77,707	88,957	80.95%	19.05%	61.90%	38.10%	54.76%	45.24%
73	76,693	154,249	148,652	82.19%	17.81%	69.86%	30.14%	61.64%	38.36%

Workforce Region 18
All Occupations
No formal educational credential
High school diploma or equivalent
Some college, no degree
Postsecondary nondegree award
Associate's degree
Bachelor's degree
Master's degree
Doctoral or professional degree

				Representative	Starting Wage	Average Ar	nnual Wage	High-Level Wa	age Threshold
Number of SOCs									
by Educational	Representative	Average Annual	High-Level Wage	Does Not Meet		Does Not Meet		Does Not Meet	
Requirement	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Metric	Meets Metric	Metric	Meets Metric	Metric	Meets Metric
824	33,511	53,505	60,021	499	325	491	333	484	340
84	24,421	32,706	35,535	45.24%	54.76%	38.10%	61.90%	33.33%	66.67%
235	30,729	46,419	52,500	68.94%	31.06%	78.72%	21.28%	78.30%	21.70%
49	29,324	43,886	49,815	30.61%	69.39%	32.65%	67.35%	30.61%	69.39%
89	32,490	44,644	50,496	41.57%	58.43%	29.21%	70.79%	33.71%	66.29%
68	40,357	58,140	65,831	64.71%	35.29%	52.94%	47.06%	51.47%	48.53%
184	46,182	86,727	100,186	59.78%	40.22%	65.22%	34.78%	65.22%	34.78%
42	55,578	85,202	97,511	78.57%	21.43%	66.67%	33.33%	61.90%	38.10%
73	69,126	154,562	152,028	82.19%	17.81%	65.75%	34.25%	63.01%	36.99%

Workforce Region 19 All Occupations

No formal educational credential High school diploma or equivalent Some college, no degree Postsecondary nondegree award Associate's degree Bachelor's degree Master's degree Doctoral or professional degree

				Representative	Starting Wage	Average Ar	nnual Wage	High-Level Wa	age Threshold
Number of SOCs									
by Educational	Representative	Average Annual	High-Level Wage	Does Not Meet		Does Not Meet		Does Not Meet	
Requirement	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Metric	Meets Metric	Metric	Meets Metric	Metric	Meets Metric
782	30,756	47,171	53,588	480	302	454	328	439	343
81	23,019	30,193	32,967	49.38%	50.62%	39.51%	60.49%	39.51%	60.49%
218	28,636	42,548	49,244	73.39%	26.61%	81.19%	18.81%	80.73%	19.27%
48	26,047	41,348	46,374	31.25%	68.75%	37.50%	62.50%	35.42%	64.58%
87	29,831	41,316	45,954	49.43%	50.57%	33.33%	66.67%	28.74%	71.26%
65	32,572	46,223	52,424	52.31%	47.69%	30.77%	69.23%	24.62%	75.38%
179	42,457	73,546	84,514	62.57%	37.43%	62.57%	37.43%	62.01%	37.99%
39	47,097	72,092	83,579	71.79%	28.21%	56.41%	43.59%	53.85%	46.15%
65	60,879	132,131	144,485	73.85%	26.15%	67.69%	32.31%	63.08%	36.92%

Workforce Region 20
All Occupations
No formal educational credential
High school diploma or equivalent
Some college, no degree
Postsecondary nondegree award
Associate's degree
Bachelor's degree
Master's degree
Master's degree

Doctoral or professional degree

				Representative	Starting Wage	Average Ar	nnual Wage	High-Level Wage Threshold	
Number of SOCs by Educational Requirement	Representative Starting Wage (\$)	Average Annual Wage (\$)	High-Level Wage Threshold (\$)	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric
<u> </u>									
821	32,455	51,762	58,794	467	354	471	350	471	350
82	23,636	31,690	34,496	42.68%	57.32%	34.15%	65.85%	36.59%	63.41%
235	29,667	45,015	51,560	60.85%	39.15%	76.60%	23.40%	77.45%	22.55%
49	27,045	42,690	48,475	24.49%	75.51%	32.65%	67.35%	34.69%	65.31%
89	31,613	45,699	52,949	44.94%	55.06%	33.71%	66.29%	41.57%	58.43%
68	36,387	54,495	61,931	55.88%	44.12%	45.59%	54.41%	41.18%	58.82%
183	44,976	82,770	96,795	58.47%	41.53%	60.11%	39.89%	57.92%	42.08%
42	51,592	81,763	95,695	83.33%	16.67%	64.29%	35.71%	59.52%	40.48%
73	71,405	152,343	155,103	78.08%	21.92%	67.12%	32.88%	63.01%	36.99%

Workforce Region 21
All Occupations
No formal educational credential
High school diploma or equivalent
Some college, no degree
Postsecondary nondegree award
Associate's degree
Bachelor's degree
Master's degree
Doctoral or professional degree

				Representative	Starting Wage	Average Ar	nnual Wage	High-Level Wa	age Threshold
Number of SOCs by Educational	Representative	Average Annual	High-Level Wage	Does Not Meet		Does Not Meet		Does Not Meet	
Requirement	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Metric	Meets Metric	Metric	Meets Metric	Metric	Meets Metric
829	34,362	57,905	66,336	452	377	471	358	460	369
85	24,112	32,511	35,238	36.47%	63.53%	32.94%	67.06%	29.41%	70.59%
236	30,791	48,484	56,132	60.59%	39.41%	75.00%	25.00%	74.58%	25.42%
49	28,650	43,644	49,194	26.53%	73.47%	30.61%	69.39%	30.61%	69.39%
90	32,700	47,917	54,554	44.44%	55.56%	28.89%	71.11%	27.78%	72.22%
68	40,080	58,615	67,690	57.35%	42.65%	38.24%	61.76%	39.71%	60.29%
185	47,910	93,518	109,219	58.38%	41.62%	67.03%	32.97%	65.41%	34.59%
43	52,915	83,277	96,745	67.44%	32.56%	58.14%	41.86%	53.49%	46.51%
73	58,024	144,095	159,022	67.12%	32.88%	68.49%	31.51%	65.75%	34.25%

Workforce Region 22 All Occupations

No formal educational credential High school diploma or equivalent Some college, no degree Postsecondary nondegree award Associate's degree Bachelor's degree Master's degree Doctoral or professional degree

				Representative	Starting Wage	Average Ar	nnual Wage	High-Level Wa	age Threshold
Number of SOCs									
by Educational	Representative	Average Annual	High-Level Wage	Does Not Meet		Does Not Meet		Does Not Meet	
Requirement	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Metric	Meets Metric	Metric	Meets Metric	Metric	Meets Metric
827	34,715	58,789	67,532	473	354	490	337	476	351
84	24,032	32,567	35,306	34.52%	65.48%	33.33%	66.67%	28.57%	71.43%
236	30,730	48,806	56,159	61.44%	38.56%	76.69%	23.31%	76.69%	23.31%
49	28,961	44,411	49,952	30.61%	69.39%	28.57%	71.43%	28.57%	71.43%
90	33,725	50,879	59,334	47.78%	52.22%	42.22%	57.78%	41.11%	58.89%
68	39,564	58,580	67,034	63.24%	36.76%	44.12%	55.88%	39.71%	60.29%
184	48,880	95,608	112,355	62.50%	37.50%	67.39%	32.61%	67.93%	32.07%
43	51,621	82,487	96,021	72.09%	27.91%	55.81%	44.19%	48.84%	51.16%
73	61,951	145,138	160,452	71.23%	28.77%	69.86%	30.14%	64.38%	35.62%

Workforce Region 23
All Occupations
No formal educational credential
High school diploma or equivalent
Some college, no degree
Postsecondary nondegree award
Associate's degree
Bachelor's degree
Master's degree
Doctoral or professional degree

				Representative	Starting Wage	Average Ar	nnual Wage	High-Level Wage Threshold	
Number of SOCs									
by Educational	Representative	Average Annual	High-Level Wage	Does Not Meet		Does Not Meet		Does Not Meet	
Requirement	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Metric	Meets Metric	Metric	Meets Metric	Metric	Meets Metric
831	34,761	60,982	70,073	474	357	511	320	503	328
85	23,962	32,993	35,607	32.94%	67.06%	32.94%	67.06%	32.94%	67.06%
238	30,599	50,605	58,419	63.45%	36.55%	78.99%	21.01%	78.57%	21.43%
49	28,241	45,204	51,251	22.45%	77.55%	28.57%	71.43%	28.57%	71.43%
90	34,711	52,800	61,888	53.33%	46.67%	51.11%	48.89%	53.33%	46.67%
68	39,580	59,901	68,137	61.76%	38.24%	51.47%	48.53%	44.12%	55.88%
185	48,819	97,037	113,578	61.62%	38.38%	68.11%	31.89%	67.57%	32.43%
43	48,859	86,757	100,865	67.44%	32.56%	55.81%	44.19%	51.16%	48.84%
73	54,955	141,391	158,349	69.86%	30.14%	68.49%	31.51%	67.12%	32.88%

Workforce Region 24
All Occupations
No formal educational credential
High school diploma or equivalent
Some college, no degree
Postsecondary nondegree award
Associate's degree
Bachelor's degree
Master's degree
Doctoral or professional degree

				Representative	Starting Wage	Average Ar	nnual Wage	High-Level Wa	age Threshold
Number of SOCs									
by Educational	Representative	Average Annual	High-Level Wage	Does Not Meet		Does Not Meet		Does Not Meet	
Requirement	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Metric	Meets Metric	Metric	Meets Metric	Metric	Meets Metric
825	33,403	54,026	60,810	496	329	498	327	478	347
85	24,524	33,004	35,904	43.53%	56.47%	38.82%	61.18%	38.82%	61.18%
233	30,851	47,383	54,048	67.81%	32.19%	81.55%	18.45%	78.54%	21.46%
49	28,526	42,868	47,797	26.53%	73.47%	28.57%	71.43%	26.53%	73.47%
90	31,872	46,379	53,749	46.67%	53.33%	30.00%	70.00%	30.00%	70.00%
68	39,809	58,138	65,835	69.12%	30.88%	45.59%	54.41%	41.18%	58.82%
184	47,037	90,331	103,871	60.87%	39.13%	66.85%	33.15%	64.67%	35.33%
43	57,710	93,313	105,746	72.09%	27.91%	67.44%	32.56%	69.77%	30.23%
73	72,573	159,516	160,317	76.71%	23.29%	69.86%	30.14%	61.64%	38.36%

Florida Labor Market Estimating Conference

Held August 2, 2023 FINAL

Wage Metrics and Data – DETAILED OCCUPATIONS Statewide and by Workforce Region

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Page	Vages - Statewide May 2022		Annual W	lagas (\$\ by Ossupat	ion	W NA		O	T		14/ 844-	F d- F-d	-11184-4
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Additional confidence of the squares 68-20 200-00 201-00	11-2033								- v				
September September March	11-3012												
1.00	11-3013	Facilities Managers						Yes	Bachelor's degree		Yes	Yes	Yes
1985 1985	11-3021	Computer and Information Systems Managers	93,690	157,810	175,940	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
1.000 No.	11-3031					Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
Tripoptiment Services and offentions for temperature of the control of the cont	11-3051							Yes	Bachelor's degree			Yes	
1.1131 Components and Information Management 7.12.00 17.00	11-3061												
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Manual Sciences Antangers	11-9111									1 1			
1931 Postmaters and fault Superintendents	11-9121												
1941 Property, Red Estate, and Community Association Managers	11-9131	Postmasters and Mail Superintendents	76,040	92,130	100,800	Yes	Yes	Yes			Yes	Yes	Yes
1946	11-9141	Property, Real Estate, and Community Association Managers	34,850	71,490	79,820		Yes	Yes				No	No
19.712 Funeral from the Managers Al Other 4,950 8,300 81,900 19.570 1	11-9151	Social and Community Service Managers	41,380	74,320	85,290	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19.179	11-9161	Emergency Management Directors	50,100	89,990	107,550	Yes	Yes	Yes	Bachelor's degree		Yes	No	Yes
Managers, All Other	11-9171	Funeral Home Managers	46,820	80,910	81,980	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
Agent and Business Managers of Antiss, Fedremers, and Athletes 29,999 96,200 156,730 186,730 1	11-9179					Yes	Yes	Yes	Bachelor's degree		Yes	No	No
3-10.00 Buyer and Purchasing Agents 9.7400 68,790 82,400 Ves	11-9199		,										
3-1032 Claims Adjusters, Earments, and Investigators 39,880 68,270 78,667 78,670	13-1011	Agents and Business Managers of Artists, Performers, and Athletes					Yes	Yes	Bachelor's degree				Yes
1-1-2													
3-1041 Compliance Officers 35,140 70,310 88,550 Ves Ves Ves Eachefor's degree No													
3-1071 Long 3-1051 Cot Estimators 3-1072 Name Recourse Specialists 3-1072 Name Recourse Specialists 3-1072 Name Recourse Specialists 3-1073 Name Resources Specialists 3-1073 Name Resources Specialists 3-1076 Name Resources Specialists 3-1076 Name Resources Specialists			,	,									
3-1074 Human Recourse Specialists										\perp			
Farm Labor Contractors										-			
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Project Management Specialists 50,000 95,120 115,250 Ves Ves Ves Ves Sachelor's degree Ves Ves Ves Ves Sachelor's degree No No			-,	-,	,								
3-1111 Management Analysts 39,530 89,760 105,370 Ves. Ves. Ves. Ves. Sachelor's degree No.	13-1082		.,		. ,								
Meeting, Convention, and Event Planners 32,030 55,330 66,570 Ves No Ves Bachelor's degree No No No No No 31,131 Compensation, Benefits, and Job Analysis Specialists 39,780 70,160 80,440 Ves Ves Ves Bachelor's degree No No No No No No No	13-1111												
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3-1141 Compensation, Benefits, and Job Analysis Specialists 39,780 70,160 80,440 Ves Ves Ves 8 8 8 8 6 6 6 6 8 0 No No No No No No No	13-1131												
Training and Development Specialists 34,290 66,640 80,840 Ves Ves Ves Bachelor's degree No	13-1141									1 1			
Business Operations Specialists, All Other 36,580 71,780 86,070 Ves Ves Ves Bachelor's degree No No No No 3,0210 Accountants and Auditors 43,430 80,200 95,220 Ves Ves Ves Ves Bachelor's degree Ves No No No No No 3,0201 Budget Analysts 47,030 78,700 95,220 Ves Ves Ves Wes Bachelor's degree Ves No No No No 3,2011 Budget Analysts 50,211 85,240 100,610 Ves Ves Ves Wes Bachelor's degree Ves No No No No 3,2051 Financial and investment Analysts 51,800 91,210 101,590 Ves Ves Ves Bachelor's degree Ves No No No No 3,2052 Personal Financial Advisors 37,200 120,760 142,150 Ves Ves Ves Bachelor's degree No Ves Ves No No No No No No No N	13-1151		34,290	66,640	80,840							No	No
Business Operations Specialists, All Other 36,580 71,780 86,070 Ves Ves Ves Bachelor's degree No No No No No No No	13-1161		36,850	79,810	92,470	Yes	Yes	Yes	Bachelor's degree		No	No	No
Property Appraisers and Assessors 38,240 74,660 84,000 Yes Yes Yes 8 8 8 8 8 9 9 9 9 9	13-1199	Business Operations Specialists, All Other	36,580				Yes	Yes			No	No	No
Supplementary Supplementar	13-2011		43,430	80,200	95,220	Yes	Yes	Yes	Bachelor's degree	l i	Yes	No	No
Section Sect	13-2020												
Second Financial and Investment Analysts S1,800 S1,210 101,590 Yes Yes Yes Yes Bachelor's degree Yes Y	13-2031												
Personal Financial Advisors 37,200 120,760 142,150 Yes Yes Yes Bachelor's degree No Yes Yes Yes Yes No	13-2041						Yes	Yes	Bachelor's degree		Yes	No	
3-2053 Insurance Underwriters	13-2051												
3-2054 Financial Risk Specialists 54,400 109,970 127,860 Yes Yes Yes Bachelor's degree Yes Yes Yes Ayon No Ayon No Reshelor's degree Yes No No No Ayon No No Ayon Ayon Ayon No Ayon Ayon Ayon No Ayon Ayon Ayon Ayon Ayon Ayon Ayon Ayo	13-2052									1 1			
3-2071 Credit Counselors			,							1 1			
34,100 49,160 49,480 Yes No No Bachelor's degree No													
3.2012 Loan Officers 3.2,610 71,790 84,910 Yes Yes Yes Bachelor's degree No No No No No No No			,	,						1 1			
3-2081 Tax Examiners and Collectors, and Revenue Agents 29,740 51,380 64,400 Yes No Yes Bachelor's degree No No No No 3-2082 Tax Preparers 25,000 46,810 63,460 No No Yes Postecondary nondegree award No No No No Yes Postecondary nondegree award No	13-20/1		. ,		-,					1 1			
3-2082 Tax Preparers 23,500 46,810 63,460 No No Yes Postsecondary nondegree award No No Yes 3-2099 Financial Specialists, All Other 36,370 65,660 79,930 Yes Yes Yes Bachelor's degree No	13-2072									1 1			
3-2099 Financial Specialists, All Other 36,370 65,060 79,930 Yes Yes Yes Bachelor's degree No No No No S-1211 Computer Systems Analysts 53,300 100,940 123,710 Yes Yes Yes Bachelor's degree Yes Yes Yes Yes Yes Yes Yes Yes Yes Y	13-2082									1 1			
5-1211 Computer Systems Analysts 53,300 100,940 123,710 Yes Yes Yes Bachelor's degree Yes Yes Yes Yes S-1212 Information Security Analysts 63,710 111,870 134,050 Yes Yes Yes Bachelor's degree Yes Yes Yes Yes Yes Yes Yes Yes Yes Y	13-2099												
5-1212 Information Security Analysts 63,710 111,870 134,050 Yes Yes Yes Bachelor's degree Yes Yes Yes Yes 5-1221 Computer and Information Research Scientists 79,180 131,920 177,390 Yes Yes Yes Yes Master's degree Yes Yes Yes Yes 5-1231 Computer Network Support Specialists 44,670 74,680 86,000 Yes Yes Yes Yes Associate's degree Yes	15-1211									1 1			
5-1221 Computer and Information Research Scientists 79,180 131,920 177,390 Yes Yes Yes Master's degree Yes Yes Yes Yes S-1221 Computer Network Support Specialists 44,670 74,680 86,000 Yes Yes Yes Yes Associate's degree Yes Yes Yes Yes Yes S-1222 Computer User Support Specialists 34,160 56,750 65,130 Yes Yes Yes Postecondary nondegree award Yes Yes Yes Yes Yes S-1241 Computer Network Architects 64,690 115,510 138,580 Yes Yes Yes Bachelor's degree Yes Yes Yes Yes Yes Yes Yes Yes Yes Y	15-1211												
5-1231 Computer Network Support Specialists 44,670 74,680 86,000 Yes Yes Yes Associate's degree Yes Yes Yes 5-1232 Computer User Support Specialists 34,160 56,750 65,130 Yes Yes Yes Postsecondary nondegree award Yes Yes Yes 5-1241 Computer Network Architects 64,690 115,510 138,580 Yes Yes Yes Pes 5-1242 Database Administrators 50,510 100,260 128,330 Yes Yes Yes Bachelor's degree Yes Yes Yes Yes Yes Yes Yes Pes Sachelor's degree Yes Yes Yes Yes Yes Yes Yes Yes Yes Y	15-1221		/	,						1 1			
5-1232 Computer User Support Specialists 34,160 56,750 65,130 Yes Yes Postsecondary nondegree award Yes Yes Yes 5-1241 Computer Network Architects 64,690 115,510 138,580 Yes Yes Bachelor's degree Yes Yes Yes 5-1242 Database Administrators 50,510 10,260 128,330 Yes Yes Yes Bachelor's degree Yes Yes Yes Yes Yes Yes Yes Yes Yes Y	15-1231		-,	- ,									
5-1241 Computer Network Architects 64,690 115,510 138,580 Yes Yes Yes Bachelor's degree Yes Yes Yes S-1242 Database Administrators 50,510 100,260 128,330 Yes Yes Yes Bachelor's degree Yes Yes Yes Yes Yes	15-1232									1 1			
5-1242 Database Administrators 50,510 100,260 128,330 Yes Yes Bachelor's degree Yes Yes Yes	15-1241					Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
5-1243 Database Architects 74,000 132,370 158,330 Yes Yes Bachelor's degree Yes Yes Yes	15-1242	Database Administrators	50,510		128,330	Yes	Yes	Yes			Yes	Yes	Yes
	15-1243	Database Architects	74,000	132,370	158,330	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes

Wages - Statewide Way 2022			ages (\$) by Occupat	d	W M	F d- All /	Occupation Metric			14/ 84	or Exceeds Educati	
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
15-1244 15-1251	Network and Computer Systems Administrators	52,200	91,620	107,810	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1251	Computer Programmers Software Developers	48,590 61,150	93,320 113,300	108,500 135,110	Yes Yes	Yes Yes	Yes Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes Yes
15-1252	Software Developers Software Quality Assurance Analysts and Testers	48.040	89,730	107,770	Yes	Yes	Yes	Bachelor's degree		Yes	No Yes	Yes
15-1254	Web Developers	47,780	81,120	95.440	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1255	Web and Digital Interface Designers	43,830	85,340	97.170	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1299	Computer Occupations, All Other	34,130	91,790	119,520	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
15-2011	Actuaries	70,990	125,340	135,110	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2021	Mathematicians	40,000	95,050	130,710	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
15-2031	Operations Research Analysts	39,230	80,550	102,220	Yes	Yes	Yes	Bachelor's degree		No	No	No
15-2041	Statisticians	40,720	83,820	101,530	Yes	Yes	Yes	Master's degree		Yes	Yes	No
15-2051	Data Scientists	52,900	100,780	127,810	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2099	Mathematical Science Occupations, All Other	40,720	83,820	101,530	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-1011	Architects, Except Landscape and Naval	38,480	89,950	103,570	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1012	Landscape Architects	38,240	66,960	76,900	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1021 17-1022	Cartographers and Photogrammetrists	44,250	68,830	80,950	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-1022	Surveyors Aerospace Engineers	35,460	65,900	79,170 134.840	Yes	Yes	Yes	Bachelor's degree	-	No	No	No
17-2011	Agricultural Engineers	77,340 46,850	115,860 86,660	111.530	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		Yes Yes	Yes No	Yes Yes
17-2031	Bioengineers and Biomedical Engineers	59,470	98,800	123,760	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2041	Chemical Engineers	67,380	109,130	134,240	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2051	Civil Engineers	51,570	100,900	123,790	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2061	Computer Hardware Engineers	66,910	119,660	139,110	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2071	Electrical Engineers	61,850	100,650	127,890	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	77,290	106,360	123,530	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2081	Environmental Engineers	35,620	85,110	106,130	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	50,070	85,250	104,450	Yes	Yes	Yes	Bachelor's degree		Yes	No	Yes
17-2112	Industrial Engineers	62,540	98,340	121,380	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	51,530	78,010	91,740	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2131	Materials Engineers	56,840	92,890	113,800	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2141 17-2151	Mechanical Engineers	58,260	94,770	109,890	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers Nuclear Engineers	46,440 81,100	96,730 116,890	108,800 126,690	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		Yes Yes	Yes	Yes Yes
17-2101	Petroleum Engineers	67.200	131,290	157.510	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2171	Engineers. All Other	49.110	98.470	123.780	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	38,500	58,660	66,580	Yes	Yes	Yes	Associate's degree		Yes	Yes	No
17-3012	Electrical and Electronics Drafters	46,260	58,590	68,880	Yes	Yes	Yes	Associate's degree		Yes	Yes	No
17-3013	Mechanical Drafters	35,360	57,180	69,370	Yes	Yes	Yes	Associate's degree		Yes	No	No
17-3019	Drafters, All Other	36,560	55,460	63,060	Yes	No	No	Associate's degree		Yes	No	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	36,340	78,140	106,840	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	36,450	56,060	65,550	Yes	Yes	Yes	Associate's degree		Yes	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	38,410	61,330	75,000	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	45,970	71,180	80,400	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	31,390	46,210	52,230	Yes	No	No	Associate's degree		Yes	No	No
17-3026	Industrial Engineering Technologists and Technicians	39,600	60,230	67,270	Yes	Yes	Yes	Associate's degree		Yes	Yes	No
17-3027	Mechanical Engineering Technologists and Technicians	39,210	59,840	66,820	Yes	Yes	Yes	Associate's degree		Yes	Yes	No
17-3028	Calibration Technologists and Technicians	39,100	63,510	80,620	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3029 17-3031	Engineering Technologists and Technicians, Except Drafters, All Other Surveying and Mapping Technicians	35,760 30.420	68,470 45,970	86,070 51,110	Yes	Yes No	Yes No	Associate's degree		Yes Yes	Yes No	Yes No
19-1011	Animal Scientists	37,320	81,640	121,720	Yes Yes	Yes	Yes	Associate's degree Master's degree		No	No	Yes
19-1012	Food Scientists and Technologists	39,680	78,790	108.540	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
19-1013	Soil and Plant Scientists	39,850	83,050	103,580	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1021	Biochemists and Biophysicists	40.100	87.820	110.680	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-1022	Microbiologists	36,410	59,880	73,350	Yes	Yes	Yes	Master's degree		No	No	No
19-1023	Zoologists and Wildlife Biologists	33,780	53,630	57,840	Yes	No	No	Master's degree		No	No	No
19-1029	Biological Scientists, All Other	41,600	62,270	72,820	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19-1031	Conservation Scientists	30,990	59,700	75,030	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1032	Foresters	37,380	60,410	71,140	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1041	Epidemiologists	57,880	87,110	102,510	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	No
19-1042	Medical Scientists, Except Epidemiologists	55,160	99,150	124,410	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-1099	Life Scientists, All Other	56,410	86,630	92,580	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19-2011	Astronomers	77,900	159,340	223,520	Yes	Yes	Yes	Doctoral or professional degree	1	Yes	Yes	Yes
19-2012 19-2021	Physicists Atmospheric and Space Scientists	77,900 62,600	159,340 83.950	223,520 90.440	Yes	Yes	Yes Yes	Doctoral or professional degree	1	Yes	Yes No	Yes No
19-2021	Atmospheric and Space Scientists Chemists	62,600 39.710	83,950 74,290	90,440	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	1	Yes No	No No	No No
19-2032	Materials Scientists	39,710 68.870	116,150	135.880	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	36,460	63,420	73,370	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	48.240	92.190	111.070	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-2043	Hydrologists	43,340	68,210	81,350	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19-2099	Physical Scientists, All Other	45,260	108,000	133,810	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-3011	Economists	60,580	96,210	117,290	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
19-3022	Survey Researchers	52,900	100,780	127,810	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
19-3032	Industrial-Organizational Psychologists	74,430	128,090	155,000	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	No
19-3033	Clinical and Counseling Psychologists	37,370	94,240	123,980	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3034	School Psychologists	45,690	74,290	81,760	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3039	Psychologists, All Other	49,250	100,570	120,640	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3041	Sociologists	29,350	58,700	50,850	Yes	Yes	No	Master's degree		No	No	No
19-3051	Urban and Regional Planners	47,190	76,160	88,250	Yes	Yes	Yes	Master's degree		Yes	No	No

Wages - Statewide May 2022		I	ages (\$) by Occupat	[14/ 844	F d- All C	Occupation Metric			M	eeds Educational Level Metric
iviay 2022			Average Annual	High-Level Wage	Representative	Average Annu			Represe		rage Annual High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting		
19-3091 19-3092	Anthropologists and Archeologists	40,060	63,070	74,610	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3092	Geographers Historians	56,410 36,000	86,630 71.910	92,580 97,880	Yes Yes	Yes Yes	Yes Yes	Master's degree	Yes	Yes	No No
19-3093	Political Scientists	38,460	96.050	130,400	Yes	Yes	Yes	Master's degree Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	56,530	86,000	102,700	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-4012	Agricultural Technicians	30,050	39,970	46.400	Yes	No	No.	Associate's degree	Yes	No	No No
19-4013	Food Science Technicians	32,580	52,780	72,710	Yes	No	Yes	Associate's degree	Yes	No	No
19-4021	Biological Technicians	29,520	43,330	50,120	Yes	No	No	Bachelor's degree	No	No	No
19-4031	Chemical Technicians	32,070	51,330	62,170	Yes	No	No	Associate's degree	Yes	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	28,200	42,020	48,630	Yes	No	No	Associate's degree	No	No	No
19-4043	Geological Technicians, Except Hydrologic Technicians	31,660	40,710	44,480	Yes	No	No	Associate's degree	Yes	No	No
19-4044 19-4051	Hydrologic Technicians Nuclear Technicians	36,110 39,100	56,440 63.510	67,500 80,620	Yes	Yes	Yes	Associate's degree	Yes	No	No
19-4051	Social Science Research Assistants	39,100	49,320	56,640	Yes Yes	Yes No	Yes No	Associate's degree Bachelor's degree	Yes No	Yes No	Yes No
19-4071	Forest and Conservation Technicians	34,020	47,180	56.140	Yes	No	No	Associate's degree	Yes	No	No
19-4092	Forensic Science Technicians	37,520	60,990	74,870	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	27.040	49.500	59.630	Yes	No	No	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	39,770	70,360	85,860	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	40,340	62,340	69,500	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	35,730	54,290	64,330	Yes	No	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	34,130	45,380	48,610	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	24,600	44,220	47,160	No	No	No	Master's degree	No	No	No
21-1018 21-1019	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	31,870	52,320	61,970	Yes	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other Child, Family, and School Social Workers	30,430	42,660	45,920	Yes	No No	No No	Master's degree	No	No	No No
21-1021	Healthcare Social Workers	33,870 36,260	49,910 55,270	59,650 63,290	Yes Yes	No No	No Yes	Bachelor's degree	No No	No No	No No
21-1022	Mental Health and Substance Abuse Social Workers	30,690	47,520	58.440	Yes	No	No No	Master's degree Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	35,190	55,990	66,210	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	31,280	59,600	81,000	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	32,280	44,300	49,520	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	27,090	39,890	46,020	Yes	No	No	Some college, no degree	Yes	No	No
21-1094	Community Health Workers	31,020	47,720	60,140	Yes	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	21,320	56,850	59,640	No	Yes	No	Bachelor's degree	No	No	No
21-2011	Clergy	28,550	54,480	61,960	Yes	No	No	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	29,760	53,940	64,850	Yes	No	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	29,300	48,440	61,030	Yes	No	No	Bachelor's degree	No	No	No
23-1011 23-1012	Lawyers Judicial Law Clerks	57,570 37,370	135,840 56.650	164,330 63.520	Yes Yes	Yes	Yes Yes	Doctoral or professional degree	Yes No	No No	No No
23-1012	Administrative Law Judges, Adjudicators, and Hearing Officers	42,640	93,720	116,380	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	33.850	62,900	77.320	Yes	Yes	Yes	Bachelor's degree	No	No	No No
23-1023	Judges, Magistrate Judges, and Magistrates	42,640	93,720	116,380	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-2011	Paralegals and Legal Assistants	37,370	56,650	63,520	Yes	Yes	Yes	Associate's degree	Yes	No	No
23-2093	Title Examiners, Abstractors, and Searchers	31,710	53,530	62,500	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	29,430	63,800	68,340	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
25-1011	Business Teachers, Postsecondary	47,400	85,870	98,080	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	48,240	91,100	112,890	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022 25-1031	Mathematical Science Teachers, Postsecondary	47,740 38,810	76,060 102,980	90,100 129,120	Yes Yes	Yes	Yes Yes	Doctoral or professional degree	No No	No No	No No
25-1031	Architecture Teachers, Postsecondary Engineering Teachers, Postsecondary	47,060	90,330	129,120	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No	No	No
25-1032	Agricultural Sciences Teachers, Postsecondary	44,940	62,350	75,810	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	52,650	89,270	100,090	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	44,940	62,350	75,810	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	46,820	64,340	62,340	Yes	Yes	No	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	39,940	81,700	98,130	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	44,540	72,400	90,260	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	47,980	64,490	63,730	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061 25-1062	Anthropology and Archeology Teachers, Postsecondary	46,820	85,310	100,230	Yes	Yes	Yes	Doctoral or professional degree	No	No	No No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	48,630 47,050	67,050 59,580	76,980 54,700	Yes Yes	Yes	Yes No	Doctoral or professional degree	No No	No No	No No
25-1063	Economics Teachers, Postsecondary Geography Teachers, Postsecondary	47,050	59,580 64,340	62,340	Yes	Yes	No No	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No
25-1065	Political Science Teachers, Postsecondary	45,430	63,970	59,070	Yes	Yes	No	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	47,720	81,930	93,190	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	47,920	100,910	120,520	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	46,390	65,280	76,810	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	47,610	93,920	101,850	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
25-1072	Nursing Instructors and Teachers, Postsecondary	48,250	80,160	94,770	Yes	Yes	Yes	Master's degree	Yes	No	No
25-1081	Education Teachers, Postsecondary	37,940	74,730	85,790	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082 25-1111	Library Science Teachers, Postsecondary Criminal Justice and Law Enforcement Teachers, Postsecondary	48,480	74,260	81,830	Yes	Yes	Yes	Doctoral or professional degree	No	No.	No No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary Law Teachers, Postsecondary	42,780 45.380	58,270 141.370	60,930 209.040	Yes Yes	Yes	No Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No Yes
25-1112	Social Work Teachers, Postsecondary	45,380 61,300	70,310	77,260	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1113	Art, Drama, and Music Teachers, Postsecondary	46,970	87.580	98.530	Yes	Yes	Yes	Master's degree	Yes	Yes	No
25-1122	Communications Teachers, Postsecondary	45,980	80,140	99,410	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1122		44,470	68,730	78.720	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary										
-	English Language and Literature Teachers, Postsecondary Foreign Language and Literature Teachers, Postsecondary	41,110	67,970	78,920	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123 25-1124 25-1125	Foreign Language and Literature Teachers, Postsecondary History Teachers, Postsecondary	41,110 42,060	67,970 55,690	78,920 49,010	Yes Yes	Yes No	Yes No		No No	No	No
25-1123 25-1124	Foreign Language and Literature Teachers, Postsecondary	41,110	67,970	78,920	Yes	Yes		Doctoral or professional degree	No		

Wages - Statewide		I	((6) b 0	e T	14/ 04	F d- All C	Name			14/ 844-	Fd- Fd	
May 2022			ages (\$) by Occupat Average Annual	High-Level Wage	Representative	Average Annu	Occupation Metric		-	Representative	Average Annua	ional Level Metric High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
	·											
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	44,050	75,160	79,280	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	35,110	58,070	73,780	Yes	Yes	Yes	Master's degree		No	No	No
25-1199 25-2011	Postsecondary Teachers, All Other	37,150 22.480	65,830 30.990	77,650 34,530	Yes No	Yes No	Yes No	Doctoral or professional degree	1	No	No No	No No
25-2011	Preschool Teachers, Except Special Education Kindergarten Teachers, Except Special Education	22,480 43.950	30,990 58.990	34,530 66.620				Associate's degree	-	No		
25-2012	Elementary School Teachers, Except Special Education	43,950 45,660	58,990	68,120	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	-	Yes	No No	No No
25-2021	Middle School Teachers, Except Special and Career/Technical Education	45,440	58,700	64,990	Yes	Yes	Yes	Bachelor's degree	-	Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	47,670	65.880	74,660	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	No	No
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	47,600	63,470	74,670	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	No	No
25-2032	Career/Technical Education Teachers, Secondary School	47,250	62,650	67,910	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2051	Special Education Teachers, Preschool	37,850	60,270	76,860	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	43,970	57,780	65,060	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2057	Special Education Teachers, Middle School	47,080	63,710	78,580	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2058	Special Education Teachers, Secondary School	46,500	66,220	77,750	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2059	Special Education Teachers, All Other	29,040	59,380	80,540	Yes	Yes	Yes	Bachelor's degree		No	No	No
	Adult Basic Education, Adult Secondary Education, and English as a Second											
25-3011	Language Instructors	37,380	57,520	74,070	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-3021	Self-Enrichment Teachers	22,660	40,370	49,240	No	No	No	Some college, no degree		No	No	No
25-3031	Substitute Teachers, Short-Term	22,880	39,680	36,880	No	No	No	Bachelor's degree	1	No	No	No
25-3041	Tutors	22,350	42,900	52,000	No	No	No	Bachelor's degree	1 1	No	No	No
25-3099 25-4011	Teachers and Instructors, All Other Archivists	22,350 29,370	42,900 47,030	52,000 56,160	No Yes	No No	No No	Bachelor's degree Master's degree	+	No No	No No	No No
25-4011 25-4012	Archivists Curators	29,370 31,510	47,030 56.550	56,160 70,720	Yes	No Yes	No Yes	Master's degree Master's degree	+	No No	No No	No No
25-4012 25-4013	Museum Technicians and Conservators	31,510 29,900	56,550 47.190	70,720 56.260	Yes	Yes No	Yes No	Bachelor's degree	1 1	No No	No No	No No
25-4013	Librarians and Media Collections Specialists	37.900	60,410	70.870	Yes	Yes	Yes	Master's degree	-	No	No	No No
25-4031	Library Technicians	28.690	41.630	47.200	Yes	No.	No.	Associate's degree	1 1	No	No	No
25-9021	Farm and Home Management Educators	29,450	47,380	58.260	Yes	No	No	Master's degree	1 1	No	No	No
25-9031	Instructional Coordinators	38.620	67.280	80,000	Yes	Yes	Yes	Master's degree	1 1	Yes	No	No
25-9044	Teaching Assistants, Postsecondary	21,190	32,920	40,960	No	No	No	Bachelor's degree	1 1	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	22,600	29,380	30,360	No	No	No	Some college, no degree		No	No	No
25-9099	Educational Instruction and Library Workers, All Other	24.320	48.430	63,350	No	No	Yes	Bachelor's degree	1 1	No	No	No
27-1011	Art Directors	49,670	88,770	100,070	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	No	No
27-1012	Craft Artists	21,260	34,330	39,590	No	No	No	Some college, no degree		No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	27,490	47,250	47,610	Yes	No	No	Bachelor's degree	1 1	No	No	No
27-1014	Special Effects Artists and Animators	46,290	66,270	76,060	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
27-1019	Artists and Related Workers, All Other	26,470	50,950	59,250	Yes	No	No	Some college, no degree		Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	22,790	58,980	75,020	No	Yes	Yes	Bachelor's degree		No	No	No
27-1022	Fashion Designers	37,430	67,590	79,480	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1023	Floral Designers	24,250	34,170	36,110	No	No	No	High school diploma or equivalent		No	No	No
27-1024	Graphic Designers	34,090	56,870	64,530	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1025	Interior Designers	34,900	63,250	74,920	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1026	Merchandise Displayers and Window Trimmers	26,270	35,140	38,530	Yes	No	No	Some college, no degree		Yes	No	No
27-1027	Set and Exhibit Designers	36,490	46,130	47,760	Yes	No	No	Bachelor's degree		No	No	No
27-1029	Designers, All Other	29,120	61,230	75,430	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-2011	Actors	30,120	34,350	32,090	Yes	No	No	Some college, no degree	1	Yes	No	No
27-2012	Producers and Directors	37,620	81,030	96,890	Yes	Yes	Yes	Bachelor's degree	1	No	No	No
27-2021	Athletes and Sports Competitors	25,390	64,780	64,420	Yes	Yes	Yes	Some college, no degree	1 1	Yes	Yes	Yes
27-2022 27-2023	Coaches and Scouts Umpires, Referees, and Other Sports Officials	25,390	64,780	64,420	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-2023	Dancers	21,220 30,120	46,320 34,350	46,560 32,090	No Yes	No No	No No	Some college, no degree High school diploma or equivalent	+ +	No Yes	Yes No	No No
27-2031	Choreographers	30,120	34,350	32,090	Yes	No.	No No	Some college, no degree	+ +	Yes	No	No
27-2032	Music Directors and Composers	31,750	70,160	83,300	Yes	Yes	Yes	Bachelor's degree	+ +	No	No	No
27-2042	Musicians and Singers	30,120	34.350	32.090	Yes	No	No	Some college, no degree	1 1	Yes	No	No
27-2091	Disc Jockeys, Except Radio	22,200	60,700	60,110	No	Yes	No	Bachelor's degree	1 1	No	No	No
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	22,200	60,700	60.110	No	Yes	No	Some college, no degree	1 1	No	Yes	Yes
27-3011	Broadcast Announcers and Radio Disc Jockevs	22,200	60,700	60,110	No	Yes	No	Bachelor's degree	1 1	No	No	No
27-3023	News Analysts, Reporters, and Journalists	36,250	72,440	86,430	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-3031	Public Relations Specialists	34.120	65.760	77.210	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-3041	Editors	36,890	68,300	79,400	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-3042	Technical Writers	50,250	76,250	85,720	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
27-3043	Writers and Authors	35,680	62,970	72,940	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3091	Interpreters and Translators	31,780	54,030	72,910	Yes	No	Yes	Bachelor's degree		No	No	No
27-3092	Court Reporters and Simultaneous Captioners	28,290	52,720	63,890	Yes	No	Yes	Postsecondary nondegree award		No	Yes	Yes
27-3099	Media and Communication Workers, All Other	21,150	47,230	58,450	No	No	No	Associate's degree		No	No	No
27-4011	Audio and Video Technicians	25,710	50,040	60,470	Yes	No	No	Associate's degree		No	No	No
27-4012	Broadcast Technicians	27,260	64,120	84,720	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
27-4014	Sound Engineering Technicians	27,040	67,760	100,830	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
27-4015	Lighting Technicians	29,990	49,280	60,650	Yes	No	No	Associate's degree		Yes	No	No
27-4021	Photographers	27,480	43,590	52,350	Yes	No	No	Some college, no degree	1	Yes	No	Yes
27-4031	Camera Operators, Television, Video, and Film	30,400	59,050	65,220	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-4032	Film and Video Editors	33,160	55,330	65,000	Yes	No	Yes	Bachelor's degree		No	No	No
27-4099	Media and Communication Equipment Workers, All Other	27,920	67,290	92,580	Yes	Yes	Yes	Associate's degree	1	No	Yes	Yes
29-1011	Chiropractors	46,630	88,040	99,990	Yes	Yes	Yes	Doctoral or professional degree	1	No	No	No
29-1021 29-1022	Dentists, General	70,410	170,930	212,900	Yes	Yes	Yes	Doctoral or professional degree	+	Yes	Yes	Yes
29-1022 29-1023	Oral and Maxillofacial Surgeons Orthodontists	52,530	227,310	242.000	Yes	Yes	Yes*	Doctoral or professional degree	1 1	Yes	Yes	Yes*
29-1023 29-1024	Prosthodontists Prosthodontists	70,410 52,530	170,930 227,310	212,900	Yes Yes	Yes	Yes Vor*	Doctoral or professional degree	1	Yes	Yes	Yes Vos*
29-1024 29-1029	Prosthodontists Dentists, All Other Specialists	52,530 52,530	227,310 227,310	*	Yes	Yes	Yes* Yes*	Doctoral or professional degree Doctoral or professional degree	+	Yes	Yes	Yes* Yes*
73-1073	Denusts, Air Other Specialists	32,330	227,510	*	res	162	res ·	Doctoral of professional degree	1 1	162	162	162.

Wages - Statewide			(4) 1 0								
May 2022			ages (\$) by Occupat Average Annual	High-Level Wage	Representative	Average Annu	Occupation Metric ual High-Level Wage		Representa	Meets or Exceeds Educative Average Annu	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting W		Threshold
29-1031	Dietitians and Nutritionists	46,240	64,080	74,790	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1041 29-1051	Optometrists	35,980	108,820	140,460	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051 29-1071	Pharmacists Physician Assistants	64,500 42,980	121,560 110.930	137,430 133,520	Yes Yes	Yes	Yes Yes	Doctoral or professional degree Master's degree	Yes	No Yes	No Yes
29-1071	Podiatrists	30,970	130,750	186.110	Yes	Yes	Yes		No	No	Yes
29-1122	Occupational Therapists	64.600	88.910	99.760	Yes	Yes	Yes	Doctoral or professional degree Master's degree	Yes	Yes	No.
29-1123	Physical Therapists	59,300	91,730	102,630	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1124	Radiation Therapists	63,650	85,530	89,870	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1125	Recreational Therapists	30,470	54,280	63,130	Yes	No	No	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	51,270	68,710	75,460	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	55,010	86,940	100,410	Yes	Yes	Yes	Master's degree	Yes	Yes	No
29-1128	Exercise Physiologists	39,620	53,050	56,730	Yes	No	No	Master's degree	Yes	No	No
29-1129	Therapists, All Other	35,450	62,090	76,900	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	62,020	115,400	133,340	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1141	Registered Nurses	61,190	79,910	83,570	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151 29-1161	Nurse Anesthetists	122,320	174,390	200,200	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives Nurse Practitioners	63,120 63,880	97,690 110,310	112,220 127,150	Yes Yes	Yes	Yes Yes	Master's degree	Yes	Yes Yes	Yes Yes
29-11/1	Audiologists	61,990	95,030	107,430	Yes	Yes	Yes	Master's degree Doctoral or professional degree	Yes	No	No
29-1211	Anesthesiologists	104,000	299,980	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1212	Cardiologists	180,440	428,810	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1213	Dermatologists	62,270	259,970	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1214	Emergency Medicine Physicians	205,960	346,900	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	61,200	217,820	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	62,270	259,970	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1217	Neurologists	93,350	274,750	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1218	Obstetricians and Gynecologists	62,270	259,970	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	121,680	195,440	238,230	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1222	Physicians, Pathologists	99,410	254,660	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1223	Psychiatrists	53,540	224,240	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1224	Radiologists	50,880	304,430		Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1229 29-1241	Physicians, All Other Ophthalmologists, Except Pediatric	99,410 102.010	254,660 219.580	*	Yes Yes	Yes	Yes* Yes*	Doctoral or professional degree	Yes	Yes Yes	Yes* Yes*
29-1241	Orthopedic Surgeons, Except Pediatric	65,000	320,430	*	Yes	Yes	Yes*	Doctoral or professional degree Doctoral or professional degree	Yes	Yes	Yes*
29-1242	Pediatric Surgeons	65,000	320,430	*	Yes	Yes	Yes*		Yes	Yes	Yes*
29-1249	Surgeons, All Other	65.000	320,430	*	Yes	Yes	Yes*	Doctoral or professional degree Doctoral or professional degree	Yes	Yes	Yes*
29-1291	Acupuncturists	29,000	50,560	54.590	Yes	No	No	Master's degree	No	No	No
29-1292	Dental Hygienists	59,120	76,100	81,350	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1299	Healthcare Diagnosing or Treating Practitioners, All Other	31,620	55,480	71,900	Yes	No	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	31,620	55,480	71,900	Yes	No	Yes	Associate's degree	Yes	No	No
29-2031	Cardiovascular Technologists and Technicians	30,350	55,160	76,460	Yes	No	Yes	Associate's degree	Yes	No	Yes
29-2032	Diagnostic Medical Sonographers	60,130	74,110	81,810	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	65,820	81,860	85,640	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	44,490	62,270	73,430	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
29-2035	Magnetic Resonance Imaging Technologists	42,970	68,770	78,510	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2036 29-2042	Medical Dosimetrists	101,020 27.660	127,800 37.130	142,070 39,140	Yes	Yes No	Yes No	Postsecondary nondegree award	Yes	Yes	Yes No
29-2042	Emergency Medical Technicians Paramedics	36,340	51,520	57,520	Yes Yes	No	No	Postsecondary nondegree award	No Yes	No Yes	Yes
29-2051	Dietetic Technicians	23,820	31,010	33,530	No Yes	No	No	Postsecondary nondegree award Associate's degree	No	No No	No No
29-2052	Pharmacy Technicians	30,110	38,270	42,730	Yes	No	No	Postsecondary nondegree award	Yes	No	No
29-2053	Psychiatric Technicians	27,790	37,400	40,870	Yes	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	37,760	52,230	60,440	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	28,990	38,060	45,180	Yes	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	28,900	43,090	49,310	Yes	No	No	Postsecondary nondegree award	No	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	39,920	53,780	58,270	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2072	Medical Records Specialists	30,680	47,320	57,750	Yes	No	No	Postsecondary nondegree award	Yes	No	Yes
29-2081	Opticians, Dispensing	29,490	48,860	59,220	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2091	Orthotists and Prosthetists	42,640	83,480	97,050	Yes	Yes	Yes	Master's degree	Yes	Yes	No
29-2092	Hearing Aid Specialists	31,200	53,060	67,000	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2099	Health Technologists and Technicians, All Other	31,400	43,660	47,420	Yes	No	No	Postsecondary nondegree award	Yes	No	No
29-9021 29-9091	Health Information Technologists and Medical Registrars	33,990	62,800	80,950	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-9091 29-9092	Athletic Trainers Genetic Counselors	39,670 51.440	55,130 88.770	61,310 102,980	Yes	No	No Yes	Bachelor's degree	No Yes	No Yes	No Yes
29-9092	Surgical Assistants	51,440 34,360	88,770 61.530	102,980 71.830	Yes Yes	Yes	Yes Yes	Master's degree Postsecondary nondegree award	Yes	Yes	Yes
29-9093	Healthcare Practitioners and Technical Workers, All Other	34,360	65,940	71,830	Yes	Yes	Yes	Postsecondary nondegree award Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	22,140	28,280	30,300	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	26,880	33,390	36,280	Yes	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	25,070	30,700	32,860	Yes	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	26,840	32,540	34,630	Yes	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	52,920	67,180	73,910	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
31-2012	Occupational Therapy Aides	29,940	56,020	68,320	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-2021	Physical Therapist Assistants	47,780	66,220	74,750	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	23,240	31,460	33,860	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	29,000	50,560	54,590	Yes	No	No	Postsecondary nondegree award	No	Yes	Yes
31-9091	Dental Assistants	35,960	42,650	46,460	Yes	No	No	Postsecondary nondegree award	Yes	No	No
31-9092 31-9093	Medical Assistants	30,570 29.190	37,870 38.250	40,690 43,580	Yes Yes	No	No No	Postsecondary nondegree award	Yes	No No	No
31-9093 31-9094	Medical Equipment Preparers	29,190 23,720	38,250 35,320	43,580 39,350	Yes No	No No	No No	High school diploma or equivalent	Yes No	No No	No No
31-3094	Medical Transcriptionists	23,720	33,320	39,350	INO	INO	NO	Postsecondary nondegree award	INO	NO	INU

Wages - Statewide		1	(6) h 0	e 1	1 10/ 0/		O	1		14/ 844-	F d- F-l	Air
May 2022			ages (\$) by Occupat Average Annual	High-Level Wage	Representativ	leets or Exceeds All C e Average Annu			Rei	oresentative	Average Annu	tional Level Metric al High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage		Threshold	Educational Requirement		rting Wage	Wage	Threshold
	·							·				
31-9095	Pharmacy Aides	23,640	34,050	39,890	No	No	No	High school diploma or equivalent	No		No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	26,870	33,150	36,200	Yes	No	No	High school diploma or equivalent	No		No	No
31-9097 31-9099	Phlebotomists	30,660 27,430	37,580 40.940	39,020 47.100	Yes	No No	No No	Postsecondary nondegree award	Yes		No No	No No
31-9099	Healthcare Support Workers, All Other First-Line Supervisors of Correctional Officers	,	-,,-	,	Yes			High school diploma or equivalent	No			
33-1011	First-Line Supervisors of Correctional Officers First-Line Supervisors of Police and Detectives	42,100 60.390	54,170 97,290	53,000 113.020	Yes	No Yes	No Yes	Some college, no degree Bachelor's degree	Yes		Yes	Yes Yes
33-1012	First-Line Supervisors of Frefighting and Prevention Workers	55,660	91,530	103,330	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
33-1021	First-Line Supervisors of Security Workers	30,360	49.380	58.380	Yes	No	No	Bachelor's degree	No		No	No.
33-1099	First-Line Supervisors of Protective Service Workers, All Other	38,430	59,420	68,090	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
33-2011	Firefighters	31,450	56,560	64,670	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
33-2021	Fire Inspectors and Investigators	40,610	63,040	77,100	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	55,660	91,530	103,330	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
33-3011	Bailiffs	29,180	55,370	65,210	Yes	No	Yes	High school diploma or equivalent	Yes		Yes	Yes
33-3012	Correctional Officers and Jailers	37,910	48,720	50,620	Yes	No	No	High school diploma or equivalent	Yes		Yes	No
33-3021	Detectives and Criminal Investigators	42,900	85,330	117,640	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
33-3031	Fish and Game Wardens	27,040	29,320	29,490	Yes	No	No	Bachelor's degree	No		No	No
33-3041	Parking Enforcement Workers	31,750	40,730	42,390	Yes	No	No	High school diploma or equivalent	Yes		No	No
33-3051	Police and Sheriff's Patrol Officers	45,970	73,350	84,860	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
33-3052	Transit and Railroad Police	59,720	74,200	60,900	Yes	Yes	No	Associate's degree	Yes		Yes	No
33-9011 33-9021	Animal Control Workers	28,300	39,950	44,200	Yes	No	No	Postsecondary nondegree award	No		No	No
	Private Detectives and Investigators	33,280 28.370	60,000	82,140	Yes	Yes No	Yes No	Bachelor's degree	No Yes		No No	No
33-9031 33-9032	Gambling Surveillance Officers and Gambling Investigators Security Guards	28,370	35,630 32,650	38,620 35,110	Yes No	No No	No No	High school diploma or equivalent	Yes No		No No	No No
33-9032	Crossing Guards and Flaggers	22,820	32,650 31.560	35,110 34,330	No No	No No	No No	High school diploma or equivalent No formal educational credential	No Yes		No No	No No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	20,830	29,890	34,330	No	No No	No No	No formal educational credential No formal educational credential	No		No	No
33-9093	Transportation Security Screeners	35,280	43.860	47.900	Yes	No No	No No	High school diploma or equivalent	Yes		No	No No
33-9094	School Bus Monitors	22.830	27,260	28.470	No	No	No	High school diploma or equivalent	No		No	No
33-9099	Protective Service Workers, All Other	24,500	41.240	49.760	No	No	No	High school diploma or equivalent	No		No	No
35-1011	Chefs and Head Cooks	32,350	58,860	72,530	Yes	Yes	Yes	Associate's degree	Yes		Yes	No
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	27,870	41,200	47,770	Yes	No	No	High school diploma or equivalent	Yes		No	No
35-2011	Cooks, Fast Food	21,990	26,520	28.870	No	No	No	No formal educational credential	No		No	No
35-2012	Cooks, Institution and Cafeteria	24,940	32,070	35,530	No	No	No	No formal educational credential	Yes		Yes	Yes
35-2013	Cooks, Private Household	32,350	58,860	72,530	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
35-2014	Cooks, Restaurant	27,230	33,900	36,610	Yes	No	No	High school diploma or equivalent	No		No	No
35-2015	Cooks, Short Order	22,260	29,350	34,150	No	No	No	No formal educational credential	Yes		No	No
35-2019	Cooks, All Other	27,170	33,530	35,480	Yes	No	No	No formal educational credential	Yes		Yes	Yes
35-2021	Food Preparation Workers	23,260	30,720	34,720	No	No	No	No formal educational credential	Yes		No	No
35-3011	Bartenders	21,220	34,350	38,360	No	No	No	No formal educational credential	No		Yes	Yes
35-3023	Fast Food and Counter Workers	21,880	25,800	27,850	No	No	No	No formal educational credential	No		No	No
35-3031	Waiters and Waitresses	21,110	32,980	36,190	No	No	No	No formal educational credential	No		Yes	Yes
35-3041	Food Servers, Nonrestaurant	22,360	28,270	31,130	No	No	No	No formal educational credential	Yes		No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	21,160	28,090	30,730	No	No	No	No formal educational credential	No		No	No
35-9021	Dishwashers	22,250	27,020	28,940	No	No	No	No formal educational credential	Yes		No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	21,380	29,070	30,260	No	No	No	No formal educational credential	No		No	No
35-9099	Food Preparation and Serving Related Workers, All Other	22,190	28,240	28,890	No	No	No	No formal educational credential	Yes		No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	29,330	45,080	53,190	Yes	No	No	High school diploma or equivalent	Yes		No	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	35,050	52,560	60,770	Yes	No	No	Some college, no degree	Yes		Yes	Yes
37-2011 37-2012	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	22,670	29,150	31,820	No	No	No	High school diploma or equivalent	No		No	No
37-2012	Maids and Housekeeping Cleaners Building Cleaning Workers, All Other	23,000 24,440	29,070 30,420	30,970 33,200	No No	No No	No No	No formal educational credential	Yes		No	No No
37-2019	Pest Control Workers	30,960	42,020	46,660	Yes	No No	No No	No formal educational credential	Yes		No No	No No
37-3011	Landscaping and Groundskeeping Workers	27,720	33,490	36,160	Yes	No	No	High school diploma or equivalent No formal educational credential	Yes		Yes	Yes
37-3011	Pesticide Handlers, Sprayers, and Applicators, Vegetation	23,630	38,460	45,670	No	No	No	High school diploma or equivalent	No		No	No
37-3012	Tree Trimmers and Pruners	28,020	39,290	47,170	Yes	No	No	High school diploma or equivalent	Yes		No	No No
37-3019	Grounds Maintenance Workers, All Other	29,100	38.820	38,550	Yes	No	No	No formal educational credential	Yes		Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	33,000	57,730	70,850	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
	First-Line Supervisors of Entertainment and Recreation Workers, Except	33,000	3,,,30	, 0,030	1							
39-1014	Gambling Services	30,510	52,030	60,770	Yes	No	No	Some college, no degree	Yes		Yes	Yes
39-1022	First-Line Supervisors of Personal Service Workers	29,480	48,160	56,820	Yes	No	No	Some college, no degree	Yes		Yes	Yes
39-2011	Animal Trainers	27,050	37,250	39,400	Yes	No	No	High school diploma or equivalent	No		No	No
39-2021	Animal Caretakers	23,270	31,170	33,000	No	No	No	High school diploma or equivalent	No		No	No
39-3011	Gambling Dealers	21,470	35,200	47,540	No	No	No	High school diploma or equivalent	No		No	No
39-3012	Gambling and Sports Book Writers and Runners	21,430	28,600	30,770	No	No	No	High school diploma or equivalent	No		No	No
39-3019	Gambling Service Workers, All Other	20,800	32,390	37,660	No	No	No	High school diploma or equivalent	No		No	No
39-3021	Motion Picture Projectionists	31,820	38,460	43,000	Yes	No	No	No formal educational credential	Yes		Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	21,440	26,350	28,370	No	No	No	No formal educational credential	No		No	No
39-3091	Amusement and Recreation Attendants	21,870	28,400	29,310	No	No	No	No formal educational credential	No		No	No
39-3092	Costume Attendants	25,860	41,540	48,340	Yes	No	No	High school diploma or equivalent	No		No	No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	22,660	30,290	33,120	No	No	No	High school diploma or equivalent	No		No	No
39-3099	Entertainment Attendants and Related Workers, All Other	23,290	28,990	29,040	No	No	No	High school diploma or equivalent	No		No	No
39-4011	Embalmers	32,670	46,690	52,310	Yes	No	No	Associate's degree	Yes		No	No
39-4012	Crematory Operators	31,080	39,610	47,340	Yes	No	No	High school diploma or equivalent	Yes		No	No
39-4021	Funeral Attendants	23,650	30,490	33,770	No	No	No	High school diploma or equivalent	No		No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	34,680	55,510	64,610	Yes	No	Yes	Associate's degree	Yes		No	No
39-5011	Barbers	21,840	33,780	37,290	No	No	No	Postsecondary nondegree award	No		No	No
39-5012 39-5091	Hairdressers, Hairstylists, and Cosmetologists Makeum Acticts. Theatrical and Performance	21,440	35,040	43,060	No	No	No	Postsecondary nondegree award	No		No	No
	Makeup Artists, Theatrical and Performance	37,670	43,770	38,820	Yes	No	No No	Postsecondary nondegree award	Yes		No	No No
39-5092	Manicurists and Pedicurists	22,480	33,550	35,220	No	No	No	Postsecondary nondegree award	No		No	No

Wages - Statewide								_				
May 2022			ages (\$) by Occupat Average Annual	High-Level Wage	Wage Mee Representative	Average Annu	Occupation Metric ual High-Level Wage			Vage Meets o sentative	Average Annua	tional Level Metric I High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		ng Wage	Wage	Threshold
			0-117							0 .0.		
39-5093	Shampooers	20,800	24,540	26,480	No	No	No	High school diploma or equivalent	No		No	No
39-5094	Skincare Specialists	22,820	41,140	45,240	No	No	No	Postsecondary nondegree award	No		No	No
39-6011	Baggage Porters and Bellhops	21,620	29,670	34,450	No	No	No	High school diploma or equivalent	No		No	No
39-6012	Concierges	24,720	35,710	38,240	No	No	No	High school diploma or equivalent	No		No	No
39-7010	Tour and Travel Guides	22,800	36,390	40,030	No	No	No	High school diploma or equivalent	No		No	No
39-9011 39-9031	Childcare Workers	21,840	28,480	29,870	No	No	No	High school diploma or equivalent	No		No	No
39-9031	Exercise Trainers and Group Fitness Instructors Recreation Workers	20,800 22,690	42,200 32,580	49,290 35,350	No No	No No	No No	Postsecondary nondegree award	No No		No No	No No
39-9041	Residential Advisors	25,960	36,910	41,640	Yes	No	No	Bachelor's degree Some college, no degree	Yes		No	No
39-9099	Personal Care and Service Workers, All Other	20,800	30,780	32.670	No.	No.	No	High school diploma or equivalent	No		No	No
41-1011	First-Line Supervisors of Retail Sales Workers	29,330	50,500	58,240	Yes	No	No	Some college, no degree	Yes		Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	44.830	95,700	108.670	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
41-2011	Cashiers	22,000	26,840	28,640	No	No	No	No formal educational credential	No		No	No
41-2012	Gambling Change Persons and Booth Cashiers	21,230	33,280	34,480	No	No	No	No formal educational credential	No		Yes	No
41-2021	Counter and Rental Clerks	24,160	36,240	39,000	No	No	No	No formal educational credential	Yes		Yes	Yes
41-2022	Parts Salespersons	22,940	37,500	43,830	No	No	No	High school diploma or equivalent	No		No	No
41-2031	Retail Salespersons	22,480	32,980	34,680	No	No	No	High school diploma or equivalent	No		No	No
41-3011	Advertising Sales Agents	32,400	65,560	71,920	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
41-3021	Insurance Sales Agents	30,010	69,750	77,730	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	38,850	80,870	84,870	Yes	Yes	Yes	Bachelor's degree	No		No	No
41-3041	Travel Agents	24,730	43,690	50,120	No	No	No	Some college, no degree	No		No	No
41 2001	Sales Representatives of Services, Except Advertising, Insurance, Financial	24.242	66.000	70.455	V	V	V	Deshalada dansa	l I		N-	N-
41-3091	Services, and Travel	31,340	66,880	79,160	Yes	Yes	Yes	Bachelor's degree	No		No	No
41 4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific	42.720	103.400	120 570	V	V	V	Deshalada dansa	V-		V	V
41-4011	Products Sales Representatives, Wholesale and Manufacturing, Except Technical and	42,730	103,490	129,570	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
41-4012	Scientific Products	32.120	71.560	81.880	Yes	Yes	Yes	S	Yes		Yes	Yes
41-9011	Demonstrators and Product Promoters	21.180	49.090	78.150	No	No.	Yes	Some college, no degree No formal educational credential	No Yes		Yes	Yes
41-9012	Models	21,980	32,680	35,140	No No	No	No	High school diploma or equivalent	No		No	No
41-9021	Real Estate Brokers	28,580	56,580	63,440	Yes	Yes	Yes	Postsecondary nondegree award	No		Yes	Yes
41-9022	Real Estate Sales Agents	28,580	56,580	63,440	Yes	Yes	Yes		No.		Yes	Yes
41-9031	Sales Engineers	48.780	123.470	160.720	Yes	Yes	Yes	Postsecondary nondegree award Bachelor's degree	Yes		Yes	Yes
41-9041	Telemarketers	21.480	31.340	32.880	No	No	No.	High school diploma or equivalent	No		No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	21,560	35,480	49,920	No	No	No	High school diploma or equivalent	No		No	No
41-9099	Sales and Related Workers, All Other	22,290	41,470	45,270	No	No	No	Some college, no degree	No		No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	37.450	63.740	75.800	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	26,060	31,310	34,280	Yes	No	No	High school diploma or equivalent	No		No	No
43-2021	Telephone Operators	26.060	31.310	34,280	Yes	No	No	High school diploma or equivalent	No		No	No
43-2099	Communications Equipment Operators, All Other	23,230	49,190	57,690	No	No	No	High school diploma or equivalent	No		Yes	Yes
43-3011	Bill and Account Collectors	30,990	41,370	45,160	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-3021	Billing and Posting Clerks	31,080	41,910	46,500	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	29,870	45,380	50,950	Yes	No	No	Some college, no degree	Yes		Yes	Yes
43-3041	Gambling Cage Workers	22,190	32,050	38,130	No	No	No	High school diploma or equivalent	No		No	No
43-3051	Payroll and Timekeeping Clerks	35,720	48,130	55,440	Yes	No	No	Some college, no degree	Yes		Yes	Yes
43-3061	Procurement Clerks	31,240	44,030	49,170	Yes	No	No	Associate's degree	Yes		No	No
43-3071	Tellers	30,510	37,920	39,430	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-3099	Financial Clerks, All Other	35,880	54,400	60,930	Yes	No	No	Some college, no degree	Yes		Yes	Yes
43-4011	Brokerage Clerks	37,260	55,470	60,200	Yes	No	No	Some college, no degree	Yes		Yes	Yes
43-4021	Correspondence Clerks	33,440	37,350	40,600	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-4031 43-4041	Court, Municipal, and License Clerks	31,780	42,660	45,530	Yes	No	No	Some college, no degree	Yes		No	No
43-4041	Credit Authorizers, Checkers, and Clerks	28,870	43,680	50,910	Yes	No	No	Some college, no degree	Yes		No	Yes
43-4051	Customer Service Representatives	28,010 27.040	38,810 38,660	43,880 47.840	Yes Yes	No No	No No	High school diploma or equivalent	Yes No		No No	No No
43-4061	Eligibility Interviewers, Government Programs File Clerks	27,040	38,660	44,060	Yes No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No No		No No	No No
43-4071	Hotel, Motel, and Resort Desk Clerks	23,920	30,540	33.750	No	No	No	High school diploma or equivalent	No		No	No
43-4111	Interviewers, Except Eligibility and Loan	23,920	38,720	44.470	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-4121	Library Assistants, Clerical	23,210	31,700	35.990	No.	No	No	Some college, no degree	No		No	No
43-4131	Loan Interviewers and Clerks	32,470	47.860	58.390	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
43-4141	New Accounts Clerks	36,260	43,430	47,040	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-4151	Order Clerks	27,350	38,120	43,230	Yes	No	No	High school diploma or equivalent	No		No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	30,730	43,130	48,800	Yes	No	No	Associate's degree	Yes		No	No
43-4171	Receptionists and Information Clerks	23,920	32,420	35,910	No	No	No	High school diploma or equivalent	No		No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	29,270	42,240	48,480	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-4199	Information and Record Clerks, All Other	28,710	41,380	47,250	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-5011	Cargo and Freight Agents	31,650	50,400	60,690	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
43-5021	Couriers and Messengers	26,430	33,340	35,360	Yes	No	No	High school diploma or equivalent	No		No	No
43-5031	Public Safety Telecommunicators	34,600	49,900	55,510	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
43-5032	Dispatchers, Except Police, Fire, and Ambulance	29,230	43,680	49,400	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-5041	Meter Readers, Utilities	30,690	46,210	56,390	Yes	No	No	High school diploma or equivalent	Yes		No	Yes
43-5051	Postal Service Clerks	39,770	56,690	68,310	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5052	Postal Service Mail Carriers	39,640	55,740	71,340	Yes	No	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	38,580	52,160	67,160	Yes	No	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	31,800	51,790	61,310	Yes	No	No	Some college, no degree	Yes		Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	27,260	37,830	43,740	Yes	No	No	High school diploma or equivalent	No		No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	26,970	37,840	42,020	Yes	No	No	High school diploma or equivalent	No		No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	37,130	60,310	73,590	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	30,470	48,920	59,630	Yes	No	No	Some college, no degree	Yes		Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	29,470	37,530	40,040	Yes	No	No	Some college, no degree	Yes		No	No

Occupational Code	Occupational Title		ages (\$) by Occupat Average Annual			ets or Exceeds All C	occupation ivietric			wage weets	or Exceeds Educat	
	Occupational Title			High-Level Wage	Representative	Average Annu	ial High-Level Wage			Representative	Average Annua	
42 6014		Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	27,350	40,180	46,470	Yes	No	No	High school diploma or equivalent		No	No	No
43-9021 43-9022	Data Entry Keyers	26,440 23.760	35,700 33.660	38,480	Yes No	No No	No No	High school diploma or equivalent		No No	No No	No No
43-9022	Word Processors and Typists Desktop Publishers	25,760	50,040	37,170 60.470	Yes	No No	No No	High school diploma or equivalent Associate's degree		No No	No No	No No
43-9041	Insurance Claims and Policy Processing Clerks	30,270	44,320	48,390	Yes	No	No	High school diploma or equivalent		Yes	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	24,030	34,590	38,690	No	No	No	High school diploma or equivalent		No	No	No
43-9061	Office Clerks, General	25,500	40,250	47,030	Yes	No	No	High school diploma or equivalent		No	No	No
43-9071	Office Machine Operators, Except Computer	22,360	33,660	38,180	No	No	No	High school diploma or equivalent		No	No	No
43-9081	Proofreaders and Copy Markers	28,200	34,860	36,510	Yes	No	No	Bachelor's degree		No	No	No
43-9111 43-9199	Statistical Assistants Office and Administrative Support Workers, All Other	35,460 26,790	45,980 40,630	50,970 46,220	Yes	No No	No No	Bachelor's degree		No	No	No No
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	30.460	55,310	69.100	Yes Yes	No	Yes	Some college, no degree High school diploma or equivalent		Yes	No Yes	Yes
45-2011	Agricultural Inspectors	27,040	39,180	41,670	Yes	No	No	Bachelor's degree		No	No	No
45-2021	Animal Breeders	27,050	37,250	39,400	Yes	No	No	High school diploma or equivalent		No	No	No
45-2041	Graders and Sorters, Agricultural Products	22,320	26,310	27,370	No	No	No	No formal educational credential		Yes	No	No
45-2091	Agricultural Equipment Operators	26,240	36,360	38,670	Yes	No	No	No formal educational credential		Yes	Yes	Yes
45-2092 45-2093	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	22,760	28,170	29,350	No	No No	No No	No formal educational credential		Yes	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals Agricultural Workers, All Other	26,770 21,480	35,960 35,680	43,040 41,920	Yes No	No No	No No	No formal educational credential No formal educational credential		Yes No	Yes Yes	Yes Yes
45-3031	Fishing and Hunting Workers	26,770	35,960	43,040	Yes	No	No	No formal educational credential		Yes	Yes	Yes
45-4011	Forest and Conservation Workers	32,730	42,260	49,860	Yes	No	No	Postsecondary nondegree award		Yes	No	No
45-4021	Fallers	39,150	46,510	52,600	Yes	No	No	High school diploma or equivalent		Yes	Yes	Yes
45-4022	Logging Equipment Operators	28,570	41,080	48,570	Yes	No	No	High school diploma or equivalent		Yes	No	No
45-4023	Log Graders and Scalers	22,320	26,310	27,370	No	No	No	High school diploma or equivalent		No	No	No
45-4029 47-1011	Logging Workers, All Other First-Line Supervisors of Construction Trades and Extraction Workers	41,610 44.470	45,090 69.380	46,680 79,710	Yes Yes	No Yes	No Yes	High school diploma or equivalent		Yes Yes	No Yes	No Yes
47-2011	Boilermakers	20.800	46.850	57,000	No.	No Yes	No Yes	Some college, no degree High school diploma or equivalent		No	Yes	Yes
47-2021	Brickmasons and Blockmasons	29,870	43,530	49,520	Yes	No	No	High school diploma or equivalent		Yes	No	No
47-2022	Stonemasons	29,150	46,480	57,710	Yes	No	No	High school diploma or equivalent		Yes	Yes	Yes
47-2031	Carpenters	32,640	46,140	50,020	Yes	No	No	Postsecondary nondegree award		Yes	No	No
47-2041	Carpet Installers	20,800	33,990	37,260	No	No	No	No formal educational credential		No	Yes	Yes
47-2042 47-2043	Floor Layers, Except Carpet, Wood, and Hard Tiles Floor Sanders and Finishers	33,760 24.290	45,360 39,350	51,160 49,010	Yes	No	No No	No formal educational credential No formal educational credential		Yes	Yes	Yes
47-2043	Tile and Stone Setters	24,290 31,700	39,350 45.960	49,010	No Yes	No No	No No	No formal educational credential No formal educational credential		Yes	Yes	Yes Yes
47-2051	Cement Masons and Concrete Finishers	30.820	43,330	48,610	Yes	No	No	No formal educational credential		Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	35,130	51,940	57,780	Yes	No	No	High school diploma or equivalent		Yes	Yes	Yes
47-2061	Construction Laborers	24,960	37,690	42,410	No	No	No	No formal educational credential		Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	30,680	40,410	44,810	Yes	No	No	High school diploma or equivalent		Yes	No	No
47-2072	Pile Driver Operators	34,630	48,360	49,810	Yes	No	No	High school diploma or equivalent		Yes	Yes	No
47-2073 47-2081	Operating Engineers and Other Construction Equipment Operators Drywall and Ceiling Tile Installers	32,200 22,270	53,980 38,910	52,000 48,080	Yes No	No No	No No	High school diploma or equivalent No formal educational credential	-	Yes Yes	Yes	Yes Yes
47-2081	Tapers	28,600	41,970	47,110	Yes	No	No	No formal educational credential	1 1	Yes	Yes	Yes
47-2111	Electricians	36.660	50.710	57,330	Yes	No	No	Postsecondary nondegree award		Yes	Yes	Yes
47-2121	Glaziers	28,600	41,970	47,110	Yes	No	No	High school diploma or equivalent		Yes	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	29,280	43,490	48,320	Yes	No	No	High school diploma or equivalent		Yes	No	No
47-2132	Insulation Workers, Mechanical	36,410	49,030	51,030	Yes	No	No	High school diploma or equivalent		Yes	Yes	No
47-2141	Painters, Construction and Maintenance	29,530	39,610	44,460	Yes	No	No	No formal educational credential		Yes	Yes	Yes
47-2142 47-2151	Paperhangers Pipelayers	29,650 32,860	36,980 42,430	44,530 46,400	Yes	No No	No No	No formal educational credential		Yes Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	34,950	48,830	56,930	Yes Yes	No	No	No formal educational credential Postsecondary nondegree award		Yes	Yes	Yes Yes
47-2161	Plasterers and Stucco Masons	26,910	41,800	47,300	Yes	No	No	No formal educational credential		Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	35,250	46,930	55,090	Yes	No	No	High school diploma or equivalent		Yes	Yes	Yes
47-2181	Roofers	27,770	42,370	48,580	Yes	No	No	No formal educational credential		Yes	Yes	Yes
47-2211	Sheet Metal Workers	33,960	47,780	52,650	Yes	No	No	High school diploma or equivalent		Yes	Yes	Yes
47-2221 47-2231	Structural Iron and Steel Workers Solar Photovoltaic Installers	35,450	48,780	56,940	Yes	No	No	High school diploma or equivalent		Yes	Yes	Yes
47-3011	HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	35,530 20,800	43,470 34,320	46,810 38.160	Yes No	No No	No No	High school diploma or equivalent No formal educational credential		Yes No	No Yes	No Yes
47-3012	HelpersCarpenters	26,880	34,580	38,170	Yes	No	No	No formal educational credential		Yes	Yes	Yes
47-3013	HelpersElectricians	26,730	34,910	37,240	Yes	No	No	High school diploma or equivalent		No	No	No
47-3014	HelpersPainters, Paperhangers, Plasterers, and Stucco Masons	26,660	31,450	32,930	Yes	No	No	No formal educational credential		Yes	No	No
47-3015	HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters	29,550	36,060	38,340	Yes	No	No	High school diploma or equivalent		Yes	No	No
47-3016	HelpersRoofers	29,880	36,250	38,530	Yes	No	No	No formal educational credential		Yes	Yes	Yes
47-3019 47-4011	Helpers, Construction Trades, All Other Construction and Building Inspectors	27,960 40.610	37,000 63.040	40,870 77.100	Yes	No	No Yes	No formal educational credential Postsecondary nondegree award		Yes	Yes	Yes
47-4011	Elevator and Escalator Installers and Repairers	40,610	84,610	103.020	Yes Yes	Yes Yes	Yes	Postsecondary nondegree award Postsecondary nondegree award		Yes Yes	Yes Yes	Yes Yes
47-4031	Fence Erectors	29,110	40,100	46,530	Yes	No	No	No formal educational credential		Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	30,500	40,400	46,280	Yes	No	No	High school diploma or equivalent		Yes	No	No
47-4051	Highway Maintenance Workers	27,440	36,880	39,580	Yes	No	No	High school diploma or equivalent		No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	45,070	54,840	62,260	Yes	No	No	High school diploma or equivalent		Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	30,570	47,660	55,520	Yes	No	No	High school diploma or equivalent		Yes	Yes	Yes
47-4090 47-5011	Miscellaneous Construction and Related Workers Derrick Operators, Oil and Gas	31,770 34,210	43,080 49.470	47,150 61.140	Yes Yes	No No	No No	High school diploma or equivalent No formal educational credential		Yes Yes	No Yes	No Yes
47-5011	Rotary Drill Operators, Oil and Gas	40.940	53,990	56.420	Yes	No	No	No formal educational credential	1 1	Yes	Yes	Yes
47-5012	Service Unit Operators, Oil and Gas	37,330	54,300	62,440	Yes	No	No	No formal educational credential	1	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	33,130	45,820	52,030	Yes	No	No	High school diploma or equivalent		Yes	No	Yes
47-5023	Earth Drillers, Except Oil and Gas	34,850	49,410	51,360	Yes	No	No	High school diploma or equivalent		Yes	Yes	No
47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	53,160	70,870	81,680	Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
47-5041	Continuous Mining Machine Operators	27,460	40,250	44,530	Yes	No	No	No formal educational credential		Yes	Yes	Yes

Wages - Statewide May 2022		Annua	al Wages (\$) by Occupa	ition	T	Wage Meets	or Exceeds All Occu	pation Metric	1	$\overline{}$	Wage Meets	or Exceeds Education	al Level Metric
110, 2022		Representative	Average Annual	High-Level Wage	-	Representative	Average Annual	High-Level Wage		1 1	Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)		Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
										П			
47-5043	Roof Bolters, Mining	27,460	40,250	44,530		Yes	No	No	High school diploma or equivalent		No	No	No
47-5044	Loading and Moving Machine Operators, Underground Mining	35,850	40,590	45,010		Yes	No	No	No formal educational credential		Yes	Yes	Yes
47-5049	Underground Mining Machine Operators, All Other	35,850	40,590	45,010		Yes	No	No	No formal educational credential	\vdash	Yes	Yes	Yes
47-5051 47-5071	Rock Splitters, Quarry	36,900	66,940	89,290		Yes	Yes	Yes	No formal educational credential	\vdash	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas HelpersExtraction Workers	34,210	49,470	61,140	-	Yes	No	No	No formal educational credential	\vdash	Yes	Yes	Yes
47-5081	Extraction Workers Extraction Workers All Other	29,390 27,800	35,120 44,830	38,530 43,820		Yes Yes	No No	No No	High school diploma or equivalent High school diploma or equivalent	\vdash	Yes Yes	No No	No No
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	42,030	68,600	80.890	-	Yes	Yes	Yes	Some college, no degree	$\vdash \vdash$	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	30.940	41.340	47.450	-	Yes	No	No	Postsecondary nondegree award	$\vdash \vdash$	Yes	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	38,180	58,720	71,940	1	Yes	Yes	Yes	Associate's degree	$\vdash \vdash$	Yes	Yes	No
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	30,530	54,760	67,220		Yes	No	Yes	Postsecondary nondegree award		Yes	Yes	Yes
49-2091	Avionics Technicians	38,370	68,480	78,480		Yes	Yes	Yes	Associate's degree	1 1	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	30,790	45,630	51,010		Yes	No	No	High school diploma or equivalent		Yes	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	40,080	56,260	63,620		Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	38,740	57,060	68,990		Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	39,940	76,450	98,930		Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	33,210	44,360	48,580		Yes	No	No	Postsecondary nondegree award		Yes	No	No
49-2097	Audiovisual Equipment Installers and Repairers	38,210	47,120	50,560		Yes	No	No	Postsecondary nondegree award		Yes	No	No
49-2098	Security and Fire Alarm Systems Installers	31,960	47,140	58,410		Yes	No	No	Postsecondary nondegree award		Yes	No	Yes
49-3011	Aircraft Mechanics and Service Technicians	39,890	70,110	79,650		Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	31,450	50,690	57,550		Yes	No	No	Postsecondary nondegree award		Yes	Yes	Yes
49-3022 49-3023	Automotive Glass Installers and Repairers Automotive Service Technicians and Mechanics	33,530	46,270	54,810	-	Yes	No	No	High school diploma or equivalent	1	Yes	No	Yes
49-3023	Bus and Truck Mechanics and Diesel Engine Specialists	28,610 37.110	47,310 55,260	59,450 63,440	-	Yes	No No	No	Postsecondary nondegree award	\vdash	No	No	Yes Yes
49-3041	Farm Equipment Mechanics and Dieser Engine Specialists	30,930	47,610	49,520	-	Yes Yes	No	Yes No	Postsecondary nondegree award High school diploma or equivalent	\vdash	Yes Yes	Yes Yes	No No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	37.190	56.390	64.780		Yes	Yes	Yes	Postsecondary nondegree award	$\vdash \vdash$	Yes	Yes	Yes
49-3043	Rail Car Repairers	37,450	53,770	59,790		Yes	No	No	High school diploma or equivalent	$\vdash \vdash$	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	33,260	51,630	60.740		Yes	No	No	Postsecondary nondegree award	\vdash	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	29,810	46,000	59,010		Yes	No	No	High school diploma or equivalent	1 1	Yes	No	Yes
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	28,820	40,950	47,480		Yes	No	No	High school diploma or equivalent		Yes	No	No
49-3091	Bicycle Repairers	23,460	36,570	43,680		No	No	No	High school diploma or equivalent		No	No	No
49-3092	Recreational Vehicle Service Technicians	30,580	48,620	61,310		Yes	No	No	High school diploma or equivalent		Yes	Yes	Yes
49-3093	Tire Repairers and Changers	24,460	33,030	36,090		No	No	No	High school diploma or equivalent	1 1	No	No	No
49-9011	Mechanical Door Repairers	31,200	46,040	54,360		Yes	No	No	High school diploma or equivalent		Yes	No	Yes
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	33,980	56,000	65,010		Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	32,120	49,380	58,540		Yes	No	No	Postsecondary nondegree award		Yes	Yes	Yes
49-9031	Home Appliance Repairers	27,710	42,780	49,660		Yes	No	No	Postsecondary nondegree award		No	No	No
49-9041	Industrial Machinery Mechanics	36,420	55,440	64,110	-	Yes	No	Yes	Postsecondary nondegree award	\vdash	Yes	Yes	Yes
49-9043 49-9044	Maintenance Workers, Machinery	33,230 40.830	54,140 55,950	58,770 66.050	-	Yes	No No	No	High school diploma or equivalent	\vdash	Yes	Yes	Yes
49-9044	Millwrights Refractory Materials Repairers, Except Brickmasons	26.160	34,670	38.120	-	Yes	No	Yes No	Postsecondary nondegree award High school diploma or equivalent	\vdash	Yes No	Yes No	Yes No
49-9045	Electrical Power-Line Installers and Repairers	39,110	71,890	94,390	-	Yes	Yes	Yes		\vdash	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	35,110	50.780	59,870		Yes	No	No	Postsecondary nondegree award Postsecondary nondegree award	$\vdash \vdash$	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	40,250	53,490	59,670	1	Yes	No	No	Associate's degree	\vdash	Yes	No	No
49-9062	Medical Equipment Repairers	33,250	53,360	61.510		Yes	No	No	Associate's degree		Yes	No	No
49-9063	Musical Instrument Repairers and Tuners	28,530	42,000	51,530		Yes	No	No	High school diploma or equivalent		Yes	No	No
49-9064	Watch and Clock Repairers	24,770	29,470	28,750		No	No	No	High school diploma or equivalent		No	No	No
49-9069	Precision Instrument and Equipment Repairers, All Other	40,570	57,710	66,040		Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	28,340	41,480	47,390		Yes	No	No	High school diploma or equivalent		Yes	No	No
49-9081	Wind Turbine Service Technicians	48,300	68,120	78,970		Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	27,400	40,350	48,480		Yes	No	No	High school diploma or equivalent		No	No	No
49-9092	Commercial Divers	39,550	53,270	57,060		Yes	No	No	Postsecondary nondegree award		Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	31,000	44,230	55,160		Yes	No	No	High school diploma or equivalent		Yes	No	Yes
49-9095	Manufactured Building and Mobile Home Installers	21,860	30,910	39,110		No	No	No	High school diploma or equivalent		No	No	No
49-9096	Riggers	33,290	51,750	60,090		Yes	No	No	High school diploma or equivalent	\vdash	Yes	Yes	Yes
49-9097 49-9098	Signal and Track Switch Repairers HelpersInstallation, Maintenance, and Repair Workers	47,270	63,340	71,520	-	Yes	Yes	Yes	High school diploma or equivalent	1	Yes	Yes	Yes
49-9098		26,920 29.050	34,330	37,380	-	Yes	No No	No No	High school diploma or equivalent	\vdash	No Yes	No	No
51-1011	Installation, Maintenance, and Repair Workers, All Other	38.300	41,040 65,510	46,270 79.620	-	Yes Yes	Yes	Yes	High school diploma or equivalent	\vdash	Yes	No Yes	No Yes
51-2011	First-Line Supervisors of Production and Operating Workers Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	33,070	47,070	79,620 55.850		Yes	No	No	Some college, no degree Postsecondary nondegree award	\vdash	Yes	No	Yes
51-2021	Coil Winders, Tapers, and Finishers	33,240	45,520	48,500	-	Yes	No	No	High school diploma or equivalent	$\vdash \vdash$	Yes	No	No
31-2021	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders.	33,240	43,320	40,300	-	res	NO	INU	rigii scriooi dipiorila oi equivalent	$\vdash \vdash$	res	NU	NU
51-2028	Tapers, and Finishers	26.460	37.830	42.050	1	Yes	No	No	High school diploma or equivalent	1 1	No	No	No
51-2031	Engine and Other Machine Assemblers	33,670	43,470	48,260	1	Yes	No	No	High school diploma or equivalent		Yes	No	No
51-2041	Structural Metal Fabricators and Fitters	30,550	43,570	49,270	1	Yes	No	No	High school diploma or equivalent		Yes	No	No
51-2051	Fiberglass Laminators and Fabricators	29,530	37,820	40,550	1	Yes	No	No	High school diploma or equivalent	\Box	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters	24,990	34,100	38,920		No	No	No	High school diploma or equivalent		No	No	No
51-2090	Miscellaneous Assemblers and Fabricators	25,000	35,270	38,420		No	No	No	High school diploma or equivalent		No	No	No
51-3011	Bakers	24,110	32,180	36,620		No	No	No	High school diploma or equivalent		No	No	No
51-3021	Butchers and Meat Cutters	28,360	39,320	44,690		Yes	No	No	No formal educational credential		Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	25,000	34,560	40,270		No	No	No	No formal educational credential		Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	26,620	27,990	29,050		Yes	No	No	No formal educational credential		Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	24,890	37,050	36,380		No	No	No	No formal educational credential		Yes	Yes	Yes
51-3092	Food Batchmakers	22,770	33,290	38,000		No	No	No	High school diploma or equivalent		No	No	No
51-3093	Food Cooking Machine Operators and Tenders	25,110	32,020	35,460		Yes	No	No	High school diploma or equivalent	\square	No	No	No
51-3099	Food Processing Workers, All Other	24,030	31,840	35,660	1	No	No	No	No formal educational credential	\sqcup	Yes	Yes	Yes
54 4004	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and				1	L,			Let the test	1 1	l ,,		
51-4021	Plastic	31,220	40,490	44,890	1	Yes	No	No	High school diploma or equivalent		Yes	No	No

Wages - Statewide		A1 W	/ /¢\ h O		14/ 14	F d- All /	0	1		4	
May 2022			ages (\$) by Occupat Average Annual	High-Level Wage	Representative	Average Annu	Occupation Metric ual High-Level Wage		Representat	Meets or Exceeds Eductive Average Ann	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wa		Threshold
		0 0 0									
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	30,350	40,090	45,790	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	30,680	41,930	45,290	Yes	No	No	High school diploma or equivalent	Yes	No	No
	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and										
51-4031	Plastic	28,480	38,510	44,100	Yes	No	No	High school diploma or equivalent	Yes	No	No
	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and										
51-4032	Plastic	30,160	56,280	83,610	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and	25.000	24.420	25.250	.,				l I		
51-4033	Tenders, Metal and Plastic	25,980	34,120	36,350	Yes	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	27.940	38.940	47.840	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	31,540	42,170	46,180	Yes	No.	No.	Postsecondary nondegree award	Yes	No	No
51-4041	Machinists	31,940	48,140	56.800	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	39.160	49,930	50,860	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-4052	Pourers and Casters, Metal	29,850	46,670	56,600	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4061	Model Makers, Metal and Plastic	33.060	52.070	60,600	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	27,010	50,530	78,080	Yes	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-4071	Foundry Mold and Coremakers	23,280	40,210	54,980	No	No	No	High school diploma or equivalent	No	No	Yes
	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders,	.,	.,	. ,				, , , , , , , , , , , , , , , , , , , ,			
51-4072	Metal and Plastic	27,520	36,990	39,770	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	31,200	38,070	38,510	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4111	Tool and Die Makers	39,140	58,290	65,770	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	32,430	46,690	52,600	Yes	No	No	Postsecondary nondegree award	Yes	No	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	29,750	37,690	40,990	Yes	No	No	Postsecondary nondegree award	Yes	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	24,960	40,780	47,400	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	33,960	47,780	52,650	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	30,090	40,260	44,870	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	27.540	36.850	38,900	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4199	Metal Workers and Plastic Workers, All Other	29,270	39,070	45.830	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-5111	Prepress Technicians and Workers	31,770	45,130	49,320	Yes	No	No	Postsecondary nondegree award	Yes	No	No
51-5112	Printing Press Operators	26,440	38,940	44,890	Yes	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	27.070	39.110	46.270	Yes	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	22.080	27.070	29.860	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	23,840	28,640	29,500	No	No	No	No formal educational credential	Yes	No	No
51-6031	Sewing Machine Operators	20.800	30,100	34.820	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	23,560	32,980	37,230	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	27.070	39.110	46,270	Yes	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	22,050	29,800	30,380	No	No	No	No formal educational credential	No	No	No
51-6052	Tailors, Dressmakers, and Custom Sewers	28,600	35,380	37.190	Yes	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	23,080	27,640	28,250	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	27,750	33,180	36,410	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	27,600	31,740	34,560	Yes	No	No	High school diploma or equivalent	Yes	No	No
	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and										
51-6064	Tenders	23,270	33,590	38,180	No	No	No	High school diploma or equivalent	No	No	No
	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and								i i		
51-6091	Glass Fibers	33,790	58,870	83,730	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	27,010	50,530	78,080	Yes	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6093	Upholsterers	28,060	38,020	42,890	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	27,360	34,170	38,110	Yes	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	30,320	41,820	47,820	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-7021	Furniture Finishers	30,760	45,770	53,800	Yes	No	No	High school diploma or equivalent	Yes	No	Yes
51-7031	Model Makers, Wood	33,060	52,070	60,600	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood	33,060	52,070	60,600	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	26,160	34,670	38,120	Yes	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	26,070	34,430	38,540	Yes	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	27,540	32,610	32,960	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-8011	Nuclear Power Reactor Operators	48,550	76,600	96,980	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	53,670	88,760	103,720	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	48,550	76,600	96,980	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	48,240	63,000	68,120	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	35,220	53,860	61,600	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	41,840	61,980	67,100	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
51-8092	Gas Plant Operators	34,570	52,120	63,020	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	48,480	62,920	79,280	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	40,340	57,910	64,920	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	29,850	46,670	56,600	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,										
51-9012	Operators, and Tenders	28,300	42,760	49,650	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	28,190	41,520	47,010	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9022	Grinding and Polishing Workers, Hand	28,480	35,570	38,680	Yes	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	28,120	39,410	44,820	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9031	Cutters and Trimmers, Hand	21,950	35,660	40,060	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	28,630	38,800	44,420	Yes	No	No	High school diploma or equivalent	Yes	No	No
	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and										
51-9041	Tenders	27,720	38,220	45,180	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	30,670	39,280	44,090	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	27,720	45,920	53,160	Yes	No	No	Postsecondary nondegree award	No	No	No
51-9071	Jewelers and Precious Stone and Metal Workers	25,180	48,970	57,240	Yes	No	No	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	30,670	49,850	57,110	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
					•						

Wages	-	Sta	tew	id

May 2022		Annual W	ages (\$) by Occupa	tion	Wage Meet	ts or Exceeds All Occu	pation Metric		Wage Meets	or Exceeds Education	nal Level Metric
			Average Annual	High-Level Wage	Representative	Average Annual	High-Level Wage		Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-9082	Medical Appliance Technicians	28,390	40,310	49,890	Yes	No	No	Postsecondary nondegree award	No	No	No
51-9083	Ophthalmic Laboratory Technicians	28,450	34,390	36,080	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9111 51-9123	Packaging and Filling Machine Operators and Tenders Painting, Coating, and Decorating Workers	23,090 25,220	35,820 35,920	40,190 42,470	No Yes	No No	No No	High school diploma or equivalent	No No	No No	No No
51-9124			,-					High school diploma or equivalent	1 1		
51-9141	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	30,650	43,440	48,530	Yes	No No	No No	High school diploma or equivalent	Yes	No	No
51-9151	Semiconductor Processing Technicians Photographic Process Workers and Processing Machine Operators	38,080 23,410	47,920 35,400	50,820 38,120	Yes No	No No	No No	High school diploma or equivalent	Yes No	Yes No	No No
51-9161	Computer Numerically Controlled Tool Operators	30,670	43,370	49.090	Yes	No	No	High school diploma or equivalent Postsecondary nondegree award	Yes	No	No
51-9162	Computer Numerically Controlled Tool Programmers	36,780	60.100	70.120	Yes	Yes	Yes	Associate's degree	Yes	Yes	No.
51-9191	Adhesive Bonding Machine Operators and Tenders	23,270	33,590	38,180	No	No	No	High school diploma or equivalent	No.	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	26,060	36,060	47,270	Yes	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	27,610	45,760	48,740	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9194	Etchers and Engravers	29,230	34,860	38,420	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	29,080	38,510	42,800	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	29,180	44,480	52,400	Yes	No	No	High school diploma or equivalent	Yes	No	Yes
51-9197	Tire Builders	29,040	37,580	40,610	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9198	HelpersProduction Workers	22,740	32,700	36,570	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	24,330	36,160	40,150	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	37,860	57,090	62,280	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
	First-Line Supervisors of Transportation and Material Moving Workers, Except										
53-1047	Aircraft Cargo Handling Supervisors	36,070	58,540	70,890	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	108,930	270,720	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	52,880	131,610	165,290	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	79,960	126,360	157,250	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	79,960	126,360	157,250	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	35,210	69,280	79,110	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	25,750	30,660	32,550	Yes	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	20,800	33,270	41,210	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	33,720	49,690	57,340	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	26,300	43,480	47,780	Yes	No	No	High school diploma or equivalent	No	No	No
53-3051	Bus Drivers, School	28,750	35,810	38,210	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-3052 53-3053	Bus Drivers, Transit and Intercity Shuttle Drivers and Chauffeurs	29,220 23.490	41,760 32,700	52,450 34.600	Yes No	No No	No No	High school diploma or equivalent	Yes No	No No	Yes No
53-3054	Taxi Drivers	23,490	32,700	34,600	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
53-3054	Motor Vehicle Operators, All Other	20,870	31,440	35,070	No	No	No	No formal educational credential	No	No	No
53-4011	Locomotive Engineers	56,590	68.740	74.260	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	32,200	53.980	52,000	Yes	No.	No.	High school diploma or equivalent High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	39,130	59.170	61.890	Yes	Yes	No		Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	63,370	71,530	74.310	Yes	Yes	Yes	High school diploma or equivalent High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	29,220	41,760	52,450	Yes	No	No	High school diploma or equivalent	Yes	No	Yes
53-4099	Rail Transportation Workers, All Other	41,260	41,950	41,270	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-5011	Sailors and Marine Oilers	29.120	45,540	50.240	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	37,390	86,240	126,580	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	28,490	45,430	53,240	Yes	No	No	Postsecondary nondegree award	No	No	No
53-5031	Ship Engineers	72,570	98,290	109,390	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	24,080	32,040	36,380	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	21,270	27,230	28,910	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	24,550	32,080	36,230	No	No	No	No formal educational credential	Yes	Yes	Yes
53-6032	Aircraft Service Attendants	29,800	36,970	37,360	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-6041	Traffic Technicians	30,640	47,550	54,530	Yes	No	No	Associate's degree	Yes	No	No
53-6051	Transportation Inspectors	40,200	85,510	107,880	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	21,280	32,590	38,090	No	No	No	High school diploma or equivalent	No	No	No
53-6099	Transportation Workers, All Other	20,800	30,740	32,570	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	29,540	34,630	35,810	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7021	Crane and Tower Operators	36,650	63,310	76,980	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	35,710	47,330	49,290	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
53-7041	Hoist and Winch Operators	32,260	50,550	51,800	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	30,160	40,670	46,740	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	22,470	30,640	33,980	No	No	No	No formal educational credential	Yes	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	25,620	34,830	37,580	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	29,040	37,580	40,610	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7064	Packers and Packagers, Hand	22,510	26,940	28,450	No	No	No	No formal educational credential	Yes	No	No
53-7065	Stockers and Order Fillers	25,890	33,430	36,100	Yes	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	30,700	36,620	34,020	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-7072	Pump Operators, Except Wellhead Pumpers	32,820	46,160	51,820	Yes	No	No	High school diploma or equivalent	Yes	No	Yes
53-7073	Wellhead Pumpers	30,700	36,620	34,020	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-7081	Refuse and Recyclable Material Collectors	29,190	41,760	48,670	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	43,360	60,430	61,360	Yes	Yes	No	No formal educational credential	Yes	Yes	Yes
53-7199	Material Moving Workers, All Other	28,230	38,000	39,780	Yes	No	No	No formal educational credential	Yes	Yes	Yes

 $[\]ensuremath{^{*}}$ indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

Summary - Statewide

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
_	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	25,070	55,980	63,220	832
No formal educational credential	22,090	31,780	35,150	85
High school diploma or equivalent	27,500	46,450	51,760	239
Some college, no degree	24,980	44,620	50,380	49
Postsecondary nondegree award	29,240	47,400	53,450	90
Associate's degree	29,380	58,430	74,330	68
Bachelor's degree	40,050	90,060	103,960	185
Master's degree	38,310	82,780	102,550	43
Doctoral or professional degree	50,160	147,960	171,450	73

	Representative	Starting Wage	Average Ar	nual Wage	High-Level Wa	age Threshold
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric
All Occupations	314	518	492	340	488	344
No formal educational credential	24.71%	75.29%	32.94%	67.06%	34.12%	65.88%
High school diploma or equivalent	41.84%	58.16%	76.15%	23.85%	74.06%	25.94%
Some college, no degree	16.33%	83.67%	34.69%	65.31%	32.65%	67.35%
Postsecondary nondegree award	25.56%	74.44%	41.11%	58.89%	35.56%	64.44%
Associate's degree	16.18%	83.82%	44.12%	55.88%	60.29%	39.71%
Bachelor's degree	49.19%	50.81%	67.03%	32.97%	62.70%	37.30%
Master's degree	46.51%	53.49%	58.14%	41.86%	69.77%	30.23%
Doctoral or professional degree	54.79%	45.21%	67.12%	32.88%	64.38%	35.62%

Vages - Workforce Re Vay 2022	gion 1	Annual W	ages (\$) by Occupat	ion	Waga Maat	s or Evenode All (Occupation Metric		1 1	Wage Moets	or Exceeds Education	al Loyal Matris
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
11-1011	Chief Executives	56,809	226,864	*	Yes	Yes	Yes*	Bachelor's degree		Yes	Yes	Yes*
11-1021 11-1031	General and Operations Managers Legislators	38,639 20,800	99,909 71,589	124,450 99.527	Yes No	Yes	Yes Yes	Bachelor's degree		No No	Yes No	Yes
11-1031	Advertising and Promotions Managers	20,800 50.181	108.316	130.752	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
11-2011	Marketing Managers Marketing Managers	64,218	126.322	158,457	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
11-2022	Sales Managers	52,998	120,522	145,862	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
11-2032	Public Relations Managers	49,949	103,428	112,777	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2033	Fundraising Managers	61,507	116.846	142.267	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3012	Administrative Services Managers	54,496	108,000	131,144	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3013	Facilities Managers	45,500	92,244	111,284	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	89,109	138,501	165,550	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3031	Financial Managers	68,452	144,003	162,134	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3051	Industrial Production Managers	54,715	125,098	159,953	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3061	Purchasing Managers	75,949	127,815	162,946	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	47,344	97,373	124,426	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	72,254	125,241	146,199	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3121	Human Resources Managers	72,859	119,391	143,079	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3131 11-9013	Training and Development Managers Farmers, Ranchers, and Other Agricultural Managers	55,876	94,518	98,655	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
11-9013	Construction Managers	22,833 49,389	83,906 105,542	117,224 127,129	No Yes	Yes	Yes	Bachelor's degree Bachelor's degree		No Yes	Yes	Yes
11-9021		49,389 28,964	105,542 46.806	127,129 48.976	Yes No	Yes No	Yes No			Yes No	Yes No	Yes No
11-9031	Education and Childcare Administrators, Preschool and Daycare Education Administrators, Kindergarten through Secondary	28,964 48,966	46,806 82,203	103,357	Yes	Yes	Yes	Bachelor's degree Master's degree	1 1	No	No No	Yes
11-9032	Education Administrators, Kindergarten through Secondary Education Administrators. Postsecondary	48,966 57,436	95,761	98,387	Yes	Yes	Yes	Master's degree Master's degree	1 1	Yes	Yes	Yes
11-9039	Education Administrators, Postsecondary Education Administrators, All Other	37,430	68.082	98,387 89.224	Yes	Yes	Yes	Master's degree Master's degree	1 - 1	No Yes	No.	No.
11-9039	Architectural and Engineering Managers	100,675	153.274	172.781	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
11-9051	Food Service Managers	34,917	63.526	73.624	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
11-9071	Gambling Managers	58.286	111.887	113.068	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
11-9072	Entertainment and Recreation Managers, Except Gambling	36,479	75,641	89.149	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9081	Lodging Managers	26,659	63,764	76,563	No	Yes	Yes	Bachelor's degree		No	No	No
11-9111	Medical and Health Services Managers	59,197	108,940	119,226	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9121	Natural Sciences Managers	50,835	115,100	139,922	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	71,833	87,032	95,223	Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	35,289	65,644	76,896	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9151	Social and Community Service Managers	43,040	63,451	75,920	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9161	Emergency Management Directors	47,328	85,011	101,599	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9171	Funeral Home Managers	44,229	76,433	77,444	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
11-9179	Personal Service Managers, All Other	45,297	74,034	89,120	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
11-9199	Managers, All Other	51,351	108,242	132,762	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	28,331	90,877	148,058	No	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-1020	Buyers and Purchasing Agents	35,091	63,299	78,924	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	34,091	51,891	63,841	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	46,723	64,984	74,289	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
13-1041 13-1051	Contractions Cost Estimators	35,428	64,428	79,734	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1051	Human Resources Specialists	21,688 34,300	53,017 60,475	71,398 76,745	No Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		No No	No No	No No
13-1071	Farm Labor Contractors	34,300	60,475	/6,/45	Yes	Yes	Yes	Bachelor's degree		NO	NO	NO
13-1075	Labor Relations Specialists	33,788	66,129	79,998	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-10/3	Logisticians	38,388	70,994	81.661	Yes	Yes	Yes	Bachelor's degree	-	No	No	No
13-1082	Project Management Specialists	48.942	85,970	99.863	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
13-1002	Management Analysts	48,942	80,109	97,345	Yes	Yes	Yes	Bachelor's degree	1 1	No	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	31,671	52.348	61,030	No	Yes	Yes	Bachelor's degree	1 1	No	No	No
13-1131	Fundraisers	37,625	53,880	61,415	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	37,434	60,901	75,820	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
13-1151	Training and Development Specialists	36,785	60,613	74,693	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1161	Market Research Analysts and Marketing Specialists	32,545	65,896	78,261	No	Yes	Yes	Bachelor's degree		No	No	No
13-1199	Business Operations Specialists, All Other	35,290	64,090	79,435	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2011	Accountants and Auditors	41,808	73,823	86,180	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2020	Property Appraisers and Assessors	28,823	58,506	73,832	No	Yes	Yes	Bachelor's degree		No	No	No
13-2031	Budget Analysts	44,503	69,680	78,565	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2041	Credit Analysts	44,843	71,655	94,142	Yes	Yes	Yes	Bachelor's degree		Yes	No	Yes
13-2051	Financial and Investment Analysts	46,402	75,011	92,097	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
13-2052	Personal Financial Advisors	35,135	99,096	126,674	Yes	Yes	Yes	Bachelor's degree	1 1	No	Yes	Yes
13-2053	Insurance Underwriters	44,144	68,536	80,713	Yes	Yes	Yes	Bachelor's degree	-	No	No	No
13-2054 13-2061	Financial Risk Specialists Financial Examiners	53,925 36,865	83,915 59,576	101,968 58.104	Yes	Yes	Yes No	Bachelor's degree	1	Yes	Yes	Yes
13-2061 13-2071	Financial Examiners Credit Counselors	36,865 29,609	59,576 44.477	58,104 46,272	Yes No	Yes No	No No	Bachelor's degree Bachelor's degree	1 - 1	No No	No No	No No
13-20/1	Loan Officers	29,609 36,330	57,260	59,502	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	1 1	No	No No	No
13-20/2	Tax Examiners and Collectors, and Revenue Agents	36,330 29,245	47,199	59,502 65,398	Yes No	No Yes	Yes	Bachelor's degree Bachelor's degree	1 - 1	No No	No No	No No
13-2082	Tax Preparers	29,245	44,220	59,949	No No	No	Yes	Postsecondary nondegree award	1 - 1	No	Yes	Yes
13-2099	Financial Specialists, All Other	38.605	72.026	92.581	Yes	Yes	Yes	Bachelor's degree	1 1	No	No.	No.
15-1211	Computer Systems Analysts	52,352	85,256	97,726	Yes	Yes	Yes	Bachelor's degree	1 - 1	Yes	Yes	Yes
15-1211	Information Security Analysts	58.323	104.783	124.098	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	86.681	150,884	187,132	Yes	Yes	Yes	Master's degree	1 1	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	37,407	62,170	66.641	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
15-1232	Computer User Support Specialists	31,511	53.214	61,767	No	Yes	Yes	Postsecondary nondegree award	1 1	Yes	Yes	Yes
15-1241	Computer Network Architects	69.432	111,984	129.625	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
15-1242	Database Administrators	30,401	73,662	101,261	No	Yes	Yes	Bachelor's degree	1 1	No	No	Yes
15-1243	Database Architects	69,906	125,046	149,570	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
		05,500		1-0,0,0	1			1	1 1			

Wages - Workforce Region 1

May 2022	egion 1	Annua	al Wages (\$) by Occupa	ition	Wag	e Meets or Exceeds All Oc	ccupation Metric		\top	Wage Meets	or Exceeds Education	nal Level Metric
•		Representative	Average Annual	High-Level Wage	Representa	ntive Average Annua	l High-Level Wage			Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting W	age Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
										ļ		
15-1244 15-1251	Network and Computer Systems Administrators Computer Programmers	55,357	89,909	106,719 105,118	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1251	Software Developers	54,662 59.822	90,178 97,695	105,118 117.059	Yes	Yes Yes	Yes Yes	Bachelor's degree	_	Yes Yes	Yes Yes	Yes Yes
15-1252	Software Developers Software Quality Assurance Analysts and Testers	59,822 45.556	97,695 80.488	95.728	Yes	Yes Yes	Yes	Bachelor's degree Bachelor's degree	-	Yes	Yes	Yes
15-1254	Web Developers	36,128	77,839	105,207	Yes	Yes	Yes	Associate's degree	-	No	Yes	Yes
15-1255	Web and Digital Interface Designers	38,196	65.446	76,301	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1299	Computer Occupations, All Other	57.162	97.645	117.021	Yes	Yes	Yes	Bachelor's degree	_	Yes	Yes	Yes
15-2011	Actuaries	67,062	118,405	127,634	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2021	Mathematicians	37,787	89,791	123,478	Yes	Yes	Yes	Master's degree		No	Yes	Yes
15-2031	Operations Research Analysts	38,563	71,720	93,514	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
15-2041	Statisticians	51,126	86,529	100,526	Yes	Yes	Yes	Master's degree		No	Yes	Yes
15-2051	Data Scientists	46,567	80,418	100,639	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2099	Mathematical Science Occupations, All Other	38,467	79,182	95,912	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
17-1011	Architects, Except Landscape and Naval	46,477	86,239	96,910	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-1012	Landscape Architects	36,124	63,255	72,645	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1021	Cartographers and Photogrammetrists	47,523	63,896	61,831	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-1022	Surveyors	30,299	57,219	75,563	No	Yes	Yes	Bachelor's degree	_	No	No	No
17-2011 17-2021	Aerospace Engineers	50,045	78,191	78,135	Yes	Yes	Yes	Bachelor's degree	_	Yes	No	No
17-2021	Agricultural Engineers Bioengineers and Biomedical Engineers	56.180	93,333	116,912	V	V	Yes	Deskalada dassa	-	V	Yes	
17-2041	Chemical Engineers	63,652	103,092	126,813	Yes	Yes Yes	Yes	Bachelor's degree Bachelor's degree	-	Yes	Yes	Yes Yes
17-2051	Civil Engineers	52,217	100,890	118.728	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
17-2051	Computer Hardware Engineers	60.550	94.633	124.445	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2001	Electrical Engineers	59.403	99.241	123,076	Yes	Yes	Yes	Bachelor's degree	+	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	65,690	101.981	121,273	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2081	Environmental Engineers	58,925	89,149	108,635	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	77,615	107,720	113,844	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2112	Industrial Engineers	59,299	98,201	120,033	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	48,679	73,694	86,664	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2131	Materials Engineers	53,695	87,750	107,503	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2141	Mechanical Engineers	58,181	105,563	138,480	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	43,870	91,378	102,780	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
17-2161	Nuclear Engineers	76,613	110,422	119,680	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2171	Petroleum Engineers	63,482	124,026	148,795	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2199	Engineers, All Other	44,533	84,958	104,603	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
17-3011	Architectural and Civil Drafters	37,697	58,003	64,094	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters Mechanical Drafters	45,457	55,344	62,345	Yes	Yes	Yes	Associate's degree	_	Yes	Yes	Yes
17-3013 17-3019	Drafters, All Other	34,707 33.633	58,719 56.150	65,399 64,571	Yes	Yes	Yes	Associate's degree	_	No	Yes	Yes
17-3019	Aerospace Engineering and Operations Technologists and Technicians	33,633	73.817	100.929	Yes Yes	Yes Yes	Yes	Associate's degree Associate's degree	_	No No	Yes	Yes Yes
17-3021	Civil Engineering Technologists and Technologists and Technicians	33,833	52.282	61.665	Yes	Yes	Yes	Associate's degree	-	No	No.	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	38,211	62,464	73,479	Yes	Yes	Yes	Associate's degree	-	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	32,581	54,726	58,490	No	Yes	No	Associate's degree	_	No	Yes	No
17-3025	Environmental Engineering Technologists and Technicians	29,653	43,653	49.340	No	No	No	Associate's degree		No	No	No
17-3026	Industrial Engineering Technologists and Technicians	32,581	55,885	63,211	No	Yes	Yes	Associate's degree		No	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	37,041	56,529	63,123	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3028	Calibration Technologists and Technicians	36,937	59,996	76,159	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3029	Engineering Technologists and Technicians, Except Drafters, All Other	36,731	69,453	78,674	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3031	Surveying and Mapping Technicians	29,105	43,507	46,749	No	No	No	Associate's degree		No	No	No
19-1011	Animal Scientists	35,255	77,123	114,985	Yes	Yes	Yes	Master's degree		No	No	Yes
19-1012	Food Scientists and Technologists	37,485	74,431	102,534	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
19-1013	Soil and Plant Scientists	37,645	78,455	97,849	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
19-1021	Biochemists and Biophysicists	37,881	82,961	104,556	Yes	Yes	Yes	Doctoral or professional degree	_	No	No	No
19-1022 19-1023	Microbiologists Zoologists and Wildlife Biologists	34,395	56,567	69,292	Yes	Yes	Yes	Master's degree	_	No	No	No
19-1023	Biological Scientists, All Other	32,633 36,084	41,704 68,387	45,427 95,222	No Yes	No Yes	No Yes	Master's degree Bachelor's degree	-	No No	No No	No Yes
19-1025	Conservation Scientists	31,200	62,494	95,222 83.843	No	Yes	Yes	Bachelor's degree	-	No	No	No
19-1032	Foresters	35,312	57,068	67,204	Yes	Yes	Yes	Bachelor's degree	_	No	No	No
19-1041	Epidemiologists	54,677	82.290	96,838	Yes	Yes	Yes	Doctoral or professional degree	_	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	54,247	78,908	94,273	Yes	Yes	Yes	Bachelor's degree	-	Yes	No	Yes
19-1099	Life Scientists, All Other	53,289	81.837	87.458	Yes	Yes	Yes	Bachelor's degree	_	Yes	Yes	No
19-2011	Astronomers	73,590	150,524	211,153	Yes	Yes	Yes	Doctoral or professional degree		Yes	Yes	Yes
19-2012	Physicists	73,590	150,524	211,153	Yes	Yes	Yes	Doctoral or professional degree		Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	59,136	79,305	85,436	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
19-2031	Chemists	47,340	78,214	99,922	Yes	Yes	Yes	Bachelor's degree		Yes	No	Yes
19-2032	Materials Scientists	65,059	109,723	128,362	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	31,928	53,028	59,680	No	Yes	Yes	Bachelor's degree		No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	45,571	87,089	104,924	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-2043	Hydrologists	40,942	64,436	76,849	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2099	Physical Scientists, All Other	42,756	102,024	126,406	Yes	Yes	Yes	Bachelor's degree	_	No	Yes	Yes
19-3011	Economists	57,228	90,887	110,800	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
19-3022	Survey Researchers	49,973	95,204	120,738	Yes	Yes	Yes	Master's degree	_	No	Yes	Yes
19-3032	Industrial-Organizational Psychologists	70,312	121,003	146,424	Yes	Yes	Yes	Doctoral or professional degree	+	Yes	No	Yes
19-3033	Clinical and Counseling Psychologists	34,669	93,339	117,824	Yes	Yes	Yes	Doctoral or professional degree	-	No	No	No
19-3034 19-3039	School Psychologists Psychologists, All Other	43,162	70,180	77,236	Yes	Yes	Yes	Doctoral or professional degree	+-	No	No	No
	7	75,026	107,814	116,376	Yes	Yes	Yes	Doctoral or professional degree	+	Yes	No	No
19-3041 19-3051	Sociologists Urban and Regional Planners	27,726 40.052	55,452 64,764	48,036	No	Yes	No	Master's degree	+	No No	No No	No
	Or pari and Regional Planners	40,052	64,/64	74,651	Yes	Yes	Yes	Master's degree		INU	NO	No

Wages - Workforce Re May 2022	EBIOH T	Annual W	Vages (\$) by Occupat	ion I	Wage Mee	ets or Exceeds All O	Occupation Metric		l w	age Meets	or Exceeds Educat	onal Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu				entative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Startin	g Wage	Wage	Threshold
19-3091	Anthropologists and Archeologists	37,843	59,580	70,482	Yes	Yes	Yes	Master's degree	No		No	No
19-3092 19-3093	Geographers	53,289	81,837	87,458	Yes	Yes	Yes	Master's degree	No		No	No No
19-3093	Historians Political Scientists	34,008 36,332	67,931 90,736	92,464 123.185	Yes Yes	Yes	Yes Yes	Master's degree	No No		No Yes	Yes
19-3094	Social Scientists Social Scientists and Related Workers, All Other	56,534	79.061	92.581	Yes	Yes	Yes	Master's degree Bachelor's degree	Yes		No Yes	No Yes
19-4012	Agricultural Technicians	28,387	37,758	43,833	No	No	No	Associate's degree	No		No	No
19-4013	Food Science Technicians	30,777	49.860	68.687	No	No	Yes	Associate's degree	No		No	Yes
19-4021	Biological Technicians	27,061	42,008	50,690	No	No	No	Bachelor's degree	No		No	No
19-4031	Chemical Technicians	34,879	74,335	98,176	Yes	Yes	Yes	Associate's degree	No		Yes	Yes
19-4042	Environmental Science and Protection Technicians, Including Health	31,408	49,362	53,746	No	No	No	Associate's degree	No		No	No
19-4043	Geological Technicians, Except Hydrologic Technicians	29,908	38,458	42,019	No	No	No	Associate's degree	No		No	No
19-4044	Hydrologic Technicians	34,112	53,317	63,765	Yes	Yes	Yes	Associate's degree	No		No	Yes
19-4051	Nuclear Technicians	36,937	59,996	76,159	Yes	Yes	Yes	Associate's degree	No		Yes	Yes
19-4061	Social Science Research Assistants	29,067	46,591	53,506	No	No	No	Bachelor's degree	No		No	No
19-4071	Forest and Conservation Technicians	32,138	44,570	53,034	No	No	No	Associate's degree	No		No	No
19-4092	Forensic Science Technicians	35,365	51,439	61,651	Yes	No	Yes	Bachelor's degree	No		No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	27,136	55,917	66,834	No	Yes	Yes	Bachelor's degree	No		No	No
19-5011 19-5012	Occupational Health and Safety Specialists Occupational Health and Safety Technicians	31,104 38,108	71,870 58,891	91,195 65,655	No	Yes	Yes Yes	Bachelor's degree	No		No	No Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	35,564	47.277	50.967	Yes Yes	Yes No	No.	Postsecondary nondegree award	Yes No		Yes No	No No
21-1013	Marriage and Family Therapists	28,722	37,164	45,884	No	No	No	Master's degree Master's degree	No		No	No
21-1015	Rehabilitation Counselors	20,800	48.414	44.179	No	No.	No	Master's degree	No.		No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	37.169	50.400	57,365	Yes	No	No	Bachelor's degree	No		No	No
21-1019	Counselors, All Other	30,722	38,809	40,435	No	No	No	Master's degree	No		No	No
21-1021	Child, Family, and School Social Workers	31,042	39,578	44,611	No	No	No	Bachelor's degree	No		No	No
21-1022	Healthcare Social Workers	34,813	52,030	61,119	Yes	Yes	Yes	Master's degree	No		No	No
21-1023	Mental Health and Substance Abuse Social Workers	29,283	47,622	59,295	No	No	Yes	Bachelor's degree	No		No	No
21-1029	Social Workers, All Other	33,243	52,892	62,547	Yes	Yes	Yes	Bachelor's degree	No		No	No
21-1091	Health Education Specialists	33,592	58,930	81,001	Yes	Yes	Yes	Bachelor's degree	No		No	No
21-1092	Probation Officers and Correctional Treatment Specialists	31,720	43,410	51,525	No	No	No	Bachelor's degree	No		No	No
21-1093	Social and Human Service Assistants	26,313	36,367	40,099	No	No	No	Some college, no degree	No		No	No
21-1094	Community Health Workers	32,857	44,343	58,961	No	No	Yes	Bachelor's degree	No		No	No
21-1099	Community and Social Service Specialists, All Other	27,040	37,305	44,927	No	No	No	Bachelor's degree	No		No	No
21-2011	Clergy	30,319	55,318	60,541	No	Yes	Yes	Master's degree	No		No	No
21-2021	Directors, Religious Activities and Education	29,703	56,744	72,131	No	Yes	Yes	Bachelor's degree	No		No	No
21-2099 23-1011	Religious Workers, All Other Lawyers	29,324	43,432	55,260	No	No	No	Bachelor's degree	No		No	No No
23-1011	Judicial Law Clerks	54,400 35,302	115,959 53,516	139,955 60.005	Yes Yes	Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree	No No		No No	No No
23-1012	Administrative Law Judges, Adjudicators, and Hearing Officers	40,281	88,534	109,941	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
23-1022	Arbitrators, Mediators, and Conciliators	31,977	59.420	73.042	No	Yes	Yes	Bachelor's degree	No		No	No
23-1023	Judges, Magistrate Judges, and Magistrates	40,281	88,534	109,941	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
23-2011	Paralegals and Legal Assistants	34,741	51,672	60,498	Yes	No	Yes	Associate's degree	No		No	No
23-2093	Title Examiners, Abstractors, and Searchers	29,955	50,568	59,042	No	No	Yes	High school diploma or equivalent	Yes		Yes	Yes
23-2099	Legal Support Workers, All Other	34,278	64,565	74,910	Yes	Yes	Yes	Associate's degree	No		Yes	Yes
25-1011	Business Teachers, Postsecondary	44,777	81,119	92,653	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1021	Computer Science Teachers, Postsecondary	45,571	86,059	106,644	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1022	Mathematical Science Teachers, Postsecondary	45,099	71,852	85,115	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1031	Architecture Teachers, Postsecondary	36,663	97,282	121,976	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1032	Engineering Teachers, Postsecondary	44,456	85,332	117,394	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1041 25-1042	Agricultural Sciences Teachers, Postsecondary	42,453	58,900	71,615	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1042	Biological Science Teachers, Postsecondary Forestry and Conservation Science Teachers, Postsecondary	49,737 42.453	84,331 58,900	94,552 71.615	Yes Yes	Yes	Yes Yes	Doctoral or professional degree	No No		No No	No No
25-1043	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	42,453	60.780	71,015 58.891	Yes	Yes Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No No		No No	No No
25-1052	Chemistry Teachers, Postsecondary	37,730	77.180	92,700	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1052	Environmental Science Teachers, Postsecondary	42,076	68,394	85.266	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1054	Physics Teachers, Postsecondary	45,325	60.922	60,204	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	44,229	80,590	94,684	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	45,939	63,340	72,721	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1063	Economics Teachers, Postsecondary	44,447	56,283	51,673	Yes	Yes	No	Doctoral or professional degree	No		No	No
25-1064	Geography Teachers, Postsecondary	44,229	60,780	58,891	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1065	Political Science Teachers, Postsecondary	42,916	60,431	55,802	Yes	Yes	No	Doctoral or professional degree	No		No	No
25-1066	Psychology Teachers, Postsecondary	45,080	77,397	88,034	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1067	Sociology Teachers, Postsecondary	45,269	95,327	113,852	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	43,823	61,668	72,560	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1071	Health Specialties Teachers, Postsecondary	44,976	88,723	96,215	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	45,580	75,725	89,526	Yes	Yes	Yes	Master's degree	No		No	No
25-1081	Education Teachers, Postsecondary	35,841	70,595	81,043	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1082 25-1111	Library Science Teachers, Postsecondary Criminal Justice and Law Enforcement Teachers, Postsecondary	45,798	70,151	77,302	Yes	Yes	Yes	Doctoral or professional degree	No No		No No	No No
25-1111		40,413	55,046 133,548	57,559	Yes	Yes	No	Doctoral or professional degree	No No		No	No
25-1112	Law Teachers, Postsecondary	42,869 57.908	133,548	197,474 72.985	Yes	Yes	Yes	Doctoral or professional degree	No No		No No	Yes No
25-1113	Social Work Teachers, Postsecondary Art, Drama, and Music Teachers, Postsecondary	57,908 44,371	82,734	72,985 93,078	Yes Yes	Yes	Yes Yes	Doctoral or professional degree Master's degree	No No		Yes	Yes
25-1121	Communications Teachers, Postsecondary	43,436	75,706	93,078	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1123	English Language and Literature Teachers, Postsecondary	43,436	64,927	74,364	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	38,835	64,209	74,553	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1125	History Teachers, Postsecondary	39,733	52,609	46,298	Yes	Yes	No	Doctoral or professional degree	No		No	No
		43.068	63.737	74,705	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1126	Philosophy and Religion Teachers, Postsecondary											

Wages - Workforce Re Way 2022	egion 1	Annual M	ages (\$) by Occupat	tion	Waga Maat	s or Evenode All (Occupation Metric			Wage Mosts	or Evenade Educat	ional Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	41,613	71,001	74,893	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1194 25-1199	Career/Technical Education Teachers, Postsecondary Postsecondary Teachers, All Other	34,781 35,094	71,569 62.188	75,996 73,354	Yes	Yes	Yes	Master's degree		No	No	No
25-1199 25-2011	Preschool Teachers, Except Special Education	35,094 22.842	28,588	73,354 28.136	Yes No	Yes No	Yes No	Doctoral or professional degree Associate's degree		No No	No No	No No
25-2011	Kindergarten Teachers, Except Special Education	41,518	55,726	62,934	Yes	Yes	Yes	Bachelor's degree	-	No	No	No
25-2021	Elementary School Teachers, Except Special Education	43,134	55,962	64.351	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	42,926	55,452	61,394	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2023	Career/Technical Education Teachers, Middle School	45,032	62,235	70,529	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	46,052	48,886	46,052	Yes	No	No	Bachelor's degree		Yes	No	No
25-2032	Career/Technical Education Teachers, Secondary School	44,636	59,184	64,153	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2051	Special Education Teachers, Preschool	45,590	47,539	45,590	Yes	No	No	Bachelor's degree		Yes	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	41,537	54,583	61,460	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2057	Special Education Teachers, Middle School	44,475	60,185	74,232	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2058	Special Education Teachers, Secondary School	45,933	47,758	45,933	Yes	No	No	Bachelor's degree		Yes	No	No
25-2059	Special Education Teachers, All Other	27,433	56,095	76,084	No	Yes	Yes	Bachelor's degree		No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	25.242	54.337	69.972	.,		v				No	
25-3011	Self-Enrichment Teachers	35,312 23,239	32,384	39,312	Yes No	Yes No	Yes No	Bachelor's degree Some college, no degree		No No	No No	No No
25-3021	Substitute Teachers, Short-Term	23,239	43.646	39,312	No	No	No	Bachelor's degree	+ - 1	No	No	No
25-3041	Tutors	20,800	26,336	26,044	No	No	No	Bachelor's degree	1 1	No	No	No
25-3099	Teachers and Instructors, All Other	46.249	68,917	84.635	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	No	No
25-4011	Archivists	27,745	44,428	53,053	No	No	No	Master's degree		No	No	No
25-4012	Curators	29,767	53,421	66,807	No	Yes	Yes	Master's degree		No	No	No
25-4013	Museum Technicians and Conservators	28,246	44,579	53,147	No	No	No	Bachelor's degree	T i	No	No	No
25-4022	Librarians and Media Collections Specialists	38,641	52,046	59,687	Yes	Yes	Yes	Master's degree		No	No	No
25-4031	Library Technicians	28,189	36,354	42,320	No	No	No	Associate's degree		No	No	No
25-9021	Farm and Home Management Educators	27,821	44,758	55,036	No	No	No	Master's degree		No	No	No
25-9031	Instructional Coordinators	45,263	67,895	86,070	Yes	Yes	Yes	Master's degree		No	No	No
25-9044	Teaching Assistants, Postsecondary	20,018	31,099	38,694	No	No	No	Bachelor's degree		No	No	No
25-9045	Teaching Assistants, Except Postsecondary	21,521	26,550	27,696	No	No	No	Some college, no degree		No	No	No
25-9099 27-1011	Educational Instruction and Library Workers, All Other Art Directors	35,252	44,498	49,213	Yes	No	No	Bachelor's degree	-	No	No	No
27-1011	Craft Artists	43,622 20,084	72,385 32,431	82,277 37,399	Yes No	Yes No	Yes No	Bachelor's degree Some college, no degree	-	No No	No No	No No
27-1012	Fine Artists, Including Painters, Sculptors, and Illustrators	25,969	44.636	44,976	No	No	No	Bachelor's degree		No	No	No No
27-1013	Special Effects Artists and Animators	43.729	62.603	71.852	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1019	Artists and Related Workers, All Other	25,005	48,131	55,972	No	No	No	Some college, no degree	1 1	No	Yes	Yes
27-1021	Commercial and Industrial Designers	21,713	47,421	65,963	No	No	Yes	Bachelor's degree		No	No	No
27-1022	Fashion Designers	35,359	63,850	75,082	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1023	Floral Designers	22,867	31,547	32,940	No	No	No	High school diploma or equivalent	T i	No	No	No
27-1024	Graphic Designers	30,327	49,922	59,044	No	No	Yes	Bachelor's degree		No	No	No
27-1025	Interior Designers	33,252	57,357	65,814	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1026	Merchandise Displayers and Window Trimmers	26,839	34,353	37,472	No	No	No	Some college, no degree		No	No	No
27-1027	Set and Exhibit Designers	34,471	43,578	45,117	Yes	No	No	Bachelor's degree		No	No	No
27-1029	Designers, All Other	27,509	57,842	71,256	No	Yes	Yes	Bachelor's degree		No	No	No
27-2011	Actors	28,453	32,449	30,314	No	No	No	Some college, no degree		Yes	No	No
27-2012	Producers and Directors	35,200	61,650	71,556	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-2021	Athletes and Sports Competitors	23,985	61,196	60,856	No	Yes	Yes	Some college, no degree	-	No	Yes	Yes
27-2022 27-2023	Coaches and Scouts Umpires, Referees, and Other Sports Officials	28,489 20.046	55,344 43,757	60,926 43,984	No No	Yes No	Yes	Bachelor's degree		No No	No Yes	No No
27-2023	Dancers	28,453	32,449	30.314	No	No	No	Some college, no degree High school diploma or equivalent	+ - 1	No	No	No
27-2032	Choreographers	28,453	32,449	30,314	No	No.	No.	Some college, no degree	1 1	Yes	No	No
27-2041	Music Directors and Composers	38,400	59,304	79,464	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-2042	Musicians and Singers	28,453	32,449	30.314	No	No	No	Some college, no degree		Yes	No	No
27-2091	Disc Jockeys, Except Radio	20,972	57,341	56,784	No	Yes	No	Bachelor's degree		No	No	No
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	20,972	57,341	56,784	No	Yes	No	Some college, no degree	T i	No	Yes	Yes
27-3011	Broadcast Announcers and Radio Disc Jockeys	20,972	57,341	56,784	No	Yes	No	Bachelor's degree		No	No	No
27-3023	News Analysts, Reporters, and Journalists	34,244	68,432	81,648	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3031	Public Relations Specialists	31,200	65,340	77,936	No	Yes	Yes	Bachelor's degree		No	No	No
27-3041	Editors	36,894	73,116	87,077	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3042	Technical Writers	39,005	68,668	81,139	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3043	Writers and Authors	38,707	57,499	66,444	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-3091 27-3092	Interpreters and Translators Court Reporters and Simultaneous Captioners	36,709	53,927	63,252 58.094	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-3092 27-3099	Court Reporters and Simultaneous Captioners Media and Communication Workers, All Other	31,782 19.980	47,864 44,617	58,094 55,216	No No	No No	No No	Postsecondary nondegree award	1 1	Yes No	Yes No	Yes No
27-3099	Audio and Video Technicians	19,980	44,617	55,216 54.772	No No	No No	No No	Associate's degree Associate's degree	1 1	No No	No No	No No
27-4011	Broadcast Technicians	25,752	60,572	80,032	No	Yes	Yes	Associate's degree	1 1	No	Yes	Yes
27-4012	Sound Engineering Technicians	25,544	64,011	95,251	No	Yes	Yes	Associate's degree	1 1	No	Yes	Yes
27-4015	Lighting Technicians	28,331	46.553	57,294	No	No	No	Associate's degree	1 1	No	No	No.
27-4021	Photographers	23,879	43,194	52,437	No	No	No	Some college, no degree	1 1	No	Yes	Yes
27-4031	Camera Operators, Television, Video, and Film	28,718	55,783	61,611	No	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-4032	Film and Video Editors	31,556	53,639	63,824	No	Yes	Yes	Bachelor's degree		No	No	No
27-4099	Media and Communication Equipment Workers, All Other	26,375	63,567	87,458	No	Yes	Yes	Associate's degree		No	Yes	Yes
29-1011	Chiropractors	46,875	91,206	99,168	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
29-1021	Dentists, General	99,214	173,233	210,608	Yes	Yes	Yes	Doctoral or professional degree		Yes	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	49,624	214,733	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*
29-1023	Orthodontists	66,514	161,472	201,120	Yes	Yes	Yes	Doctoral or professional degree		No	Yes	Yes
29-1024	Prosthodontists	49,624	214,733	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*
29-1029	Dentists, All Other Specialists	49,624	214,733	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*

May 2022	egion 1		ages (\$) by Occupat	u	14/ 84	F d- All /	Occupation Metric	T	14/	Meets or Exceeds Educ	-41
way 2022			Average Annual	High-Level Wage	Representative	Average Annu			Representa		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wa		Threshold
29-1031	Dietitians and Nutritionists	42,266	61,842	72,800	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1041 29-1051	Optometrists Pharmacists	56,574 62,555	125,721 120.861	170,731 134,404	Yes Yes	Yes Yes	Yes Yes	Doctoral or professional degree	No No	No No	Yes No
29-1051	Physician Assistants	62,555 44.693	120,861	134,404	Yes	Yes	Yes	Doctoral or professional degree Master's degree	No No	Yes	Yes
29-1071	Podiatrists	29,256	123,516	175,813	No	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1122	Occupational Therapists	63,658	86,280	96,531	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	67,242	90,692	100,443	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	66,288	85,137	96,036	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1125	Recreational Therapists	29,646	51,121	55,494	No	No	No	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	52,700	67,751	74,728	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127 29-1128	Speech-Language Pathologists	63,098	82,219	96,178	Yes	Yes	Yes	Master's degree	Yes	No	Yes
29-1128	Exercise Physiologists Therapists, All Other	37,428 33,489	50,115 58,655	53,591 72,645	Yes Yes	No Yes	No Yes	Master's degree	No No	No No	No No
29-1125	Veterinarians	76,390	114,298	132.143	Yes	Yes	Yes	Bachelor's degree Doctoral or professional degree	Yes	No	No
29-1141	Registered Nurses	54,930	71.510	78.621	Yes	Yes	Yes	Bachelor's degree	Yes	No No	No
29-1151	Nurse Anesthetists	143,479	175,748	175,379	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	59,628	92,285	106,011	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1171	Nurse Practitioners	95,738	115,550	124,845	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	52,324	71,240	92,641	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	98,246	283,382	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1212	Cardiologists	232,081	591,966	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1213	Dermatologists	58,825	245,586	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1214 29-1215	Emergency Medicine Physicians Family Medicine Physicians	194,564	327,706 310.934	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	General Internal Medicine Physicians	95,705 58,825	310,934 245.586	*	Yes Yes	Yes	Yes* Yes*	Doctoral or professional degree Doctoral or professional degree	Yes No	Yes Yes	Yes* Yes*
29-1217	Neurologists	88.185	259.548	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1218	Obstetricians and Gynecologists	133,420	328,291	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	163,727	205,423	225,049	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1222	Physicians, Pathologists	93,910	240,570	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1223	Psychiatrists	50,578	211,833	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1224	Radiologists	48,065	287,586	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1229	Physicians, All Other	128,789	265,643	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1241	Ophthalmologists, Except Pediatric	96,366	207,431	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1242	Orthopedic Surgeons, Except Pediatric	61,404	302,701	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1243 29-1249	Pediatric Surgeons Surgeons, All Other	61,404 212,153	302,701 507,874		Yes	Yes	Yes*	Doctoral or professional degree	No Yes	Yes	Yes*
29-1249	Acupuncturists	212,153	47,763	51.570	Yes No	Yes No	Yes* No	Doctoral or professional degree Master's degree	Yes No	Yes No	Yes* No
29-1292	Dental Hygienists	60.803	71.858	77.339	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1299	Healthcare Diagnosing or Treating Practitioners, All Other	29,870	52,410	67,922	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	31,320	54,202	65,097	No	Yes	Yes	Associate's degree	No	No	Yes
29-2031	Cardiovascular Technologists and Technicians	29,065	56,087	75,669	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2032	Diagnostic Medical Sonographers	55,940	68,573	76,378	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	67,309	81,272	86,625	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	42,206	59,108	64,412	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists Medical Dosimetrists	60,247	70,444	76,169	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2036 29-2042	Emergency Medical Technicians	95,431 27.668	120,729 31.263	134,209 33,904	Yes No	Yes No	Yes No	Postsecondary nondegree award Postsecondary nondegree award	Yes No	Yes No	Yes No
29-2042	Paramedics	39,059	43,745	49,876	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2051	Dietetic Technicians	22,502	29,294	31,675	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	29,279	36,950	39,389	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	28,168	36,296	44,019	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	36,400	48,048	49,900	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	28,019	36,941	43,053	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	28,143	37,691	44,374	No	No	No	Postsecondary nondegree award	No	No	No
29-2061 29-2072	Licensed Practical and Licensed Vocational Nurses	39,683	49,467	52,333	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2072	Medical Records Specialists Opticians, Dispensing	28,565 30,160	44,701 49,473	51,037 58,024	No No	No No	No No	Postsecondary nondegree award	No No	Yes Yes	Yes Yes
29-2081	Orthotists and Prosthetists	69,293	90.928	109.775	Yes	Yes	Yes	Postsecondary nondegree award Master's degree	Yes	Yes	Yes
29-2092	Hearing Aid Specialists	29,474	50,124	63,293	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
29-2099	Health Technologists and Technicians, All Other	31,188	41,631	45,330	No	No	No	Postsecondary nondegree award	Yes	No	No
29-9021	Health Information Technologists and Medical Registrars	31,899	53,218	63,623	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	49,454	53,938	59,304	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-9092	Genetic Counselors	48,594	83,858	97,282	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-9093	Surgical Assistants	32,459	58,126	67,856	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-9099	Healthcare Practitioners and Technical Workers, All Other	27,145	49,443	60,921	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
31-1120	Home Health and Personal Care Aides	21,695	26,850	28,296	No	No	No	High school diploma or equivalent	No	No	No
31-1131 31-1132	Nursing Assistants Orderlies	24,888 24.093	30,403 29.556	31,853 32,539	No No	No No	No No	Postsecondary nondegree award	No No	No No	No No
31-1132	Psychiatric Aides	24,093 25,355	29,556 30,740	32,539 32,714	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No No	No No	No No
31-2011	Occupational Therapy Assistants	48.367	66.412	74.214	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	28,283	52,920	64,540	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
31-2021	Physical Therapist Assistants	48,319	64,095	72,226	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	21,954	29,719	31,987	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	25,944	48,445	56,184	No	No	No	Postsecondary nondegree award	No	Yes	Yes
31-9091	Dental Assistants	34,071	40,734	44,867	Yes	No	No	Postsecondary nondegree award	Yes	No	No
31-9092	Medical Assistants	29,549	35,341	37,836	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	32,351	39,521	43,042	No	No	No	High school diploma or equivalent	Yes	No	No
31-9094	Medical Transcriptionists	28,267	38,190	40,028	No	No	No	Postsecondary nondegree award	No	No	No

Wages - Workforce Region 1

Иау 2022			Wages (\$) by Occupa			s or Exceeds All Occu				eets or Exceeds Educatio	
		Representative	Average Annual	High-Level Wage	Representative	Average Annual	High-Level Wage		Representati		High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wag	e Wage	Threshold
31-9095	DI ATT								ļ ļ		
31-9095	Pharmacy Aides Veterinary Assistants and Laboratory Animal Caretakers	22,208 22,573	29,250 31.385	35,883 34,975	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
31-9090	Phlehotomists	22,573	31,385	34,975	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
31-9097		29,465	35,144	44,539	No	No	No	Postsecondary nondegree award	No No	No No	No No
33-1011	Healthcare Support Workers, All Other First-Line Supervisors of Correctional Officers	42.099	47.052	,			No	High school diploma or equivalent			
33-1012	First-Line Supervisors of Police and Detectives	55,474	80,153	48,755 84,994	Yes Yes	No Yes	Yes	Some college, no degree	Yes Yes	Yes Yes	Yes No
33-1021	First-Line Supervisors of Fredgetting and Prevention Workers	47,292	60,655	65.666	Yes	Yes	Yes	Bachelor's degree Associate's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Security Workers	29.180	47.935	63.814	No No	No Tes	Yes	Bachelor's degree	No Yes	No.	No.
33-1099	First-Line Supervisors of Protective Service Workers, All Other	32,240	52,478	59,467	No	Yes	Yes		Yes	Yes	Yes
33-2011	Firefighters	23,672	38,966	47.333	No	No	No	Some college, no degree Postsecondary nondegree award	No No	No.	No
33-2021	Fire Inspectors and Investigators	38.363	59,552	72.834	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Forest Fire Inspectors and Prevention Specialists	52,580	86.466	97.613		Yes	Yes			Yes	Yes
33-3011	Bailiffs	27,565	52,306	61,602	Yes No	Yes	Yes	Some college, no degree High school diploma or equivalent	Yes No	Yes	Yes
33-3012	Correctional Officers and Jailers	35,812	46.024	47.819	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-3021	Detectives and Criminal Investigators	43,659	82,179	119,038	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	25,544	27,698	27.858	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	29,993	38.476	40.045	No	No	No	High school diploma or equivalent	Yes	No	No
33-3051	Police and Sheriff's Patrol Officers	43,638	54,607	61,502	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
33-3052	Transit and Railroad Police	56.416	70.095	57,530	Yes	Yes	No.		Yes	Yes	No.
33-9011	Animal Control Workers	28.296	34.798	38.841	No No	No	No	Associate's degree Postsecondary nondegree award	No	No.	No
33-9021	Private Detectives and Investigators	32.486	57,918	75,531	No	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	26.800	33,659	36.483	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	21,665	32.070	34,216	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	23,607	29,814	32,431	No	No	No	No formal educational credential	Yes	No No	No No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	20,800	25,745	29.227	No	No	No	No formal educational credential	No	No	No
33-9093	Transportation Security Screeners	33,328	41.433	45.250	Yes	No	No	High school diploma or equivalent	Yes	No No	No No
33-9094	School Bus Monitors	22.834	25,591	26,238	No	No	No	High school diploma or equivalent	No	No	No
33-9099	Protective Service Workers, All Other	23,784	34.009	37.473	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	35,725	50,634	57,267	Yes	No	No	Associate's degree	No	No	No
35-1011	First-Line Supervisors of Food Preparation and Serving Workers	28,206	38,224	45.347	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	21,772	25,723	27,319	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	22,780	30.031	33,416	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2013	Cooks, Private Household	30,560	55,603	68.517	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
35-2014	Cooks, Restaurant	23,400	30,545	34,401	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	23,246	30,278	33,063	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2019	Cooks, All Other	25,667	31,675	33,517	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	22,480	29.054	32,719	No	No	No	No formal educational credential	No.	No	Yes
35-3011	Bartenders	20,800	32,842	37,105	No	No	No	No formal educational credential	No	Yes	Yes
35-3023	Fast Food and Counter Workers	21,567	24.499	26.829	No	No	No.	No formal educational credential	No.	No.	No.
35-3031	Waiters and Waitresses	20,800	30,504	34,221	No	No	No	No formal educational credential	No	Yes	Yes
35-3041	Food Servers, Nonrestaurant	21.846	26,773	28.694	No	No	No	No formal educational credential	No.	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	20,809	28,083	32,364	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	21,216	25,137	27.628	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	20.896	26,355	28,759	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	22.811	25,607	27.458	No	No	No	No formal educational credential	Yes	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	28.486	41,923	48,102	No	No	No	High school diploma or equivalent	No	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	33,765	53,249	61,560	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	21,925	27,300	29,244	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	22.104	27.501	28,477	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	23.088	28.737	31,363	No	No	No	No formal educational credential	Yes	No	No
37-2021	Pest Control Workers	30.274	39,919	45.837	No	No	No	High school diploma or equivalent	Yes	No	No
37-3011	Landscaping and Groundskeeping Workers	27.235	32,352	34.055	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	22,510	35,488	44,639	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	29,120	32,278	29,120	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other								l i		
39-1013	First-Line Supervisors of Gambling Services Workers	31,174	54,536	66,930	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
	First-Line Supervisors of Entertainment and Recreation Workers, Except	·							l í		
39-1014	Gambling Services	27,523	47,136	54,071	No	No	No	Some college, no degree	No	Yes	Yes
39-1022	First-Line Supervisors of Personal Service Workers	28,125	45,957	55,034	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	28,159	30,468	29,361	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	21,721	29,080	29,886	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	20,282	33,252	44,910	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	20,244	27,018	29,067	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	19,649	30,598	35,576	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	30,059	36,332	40,621	No	No	No	No formal educational credential	Yes	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	21,623	24,622	26,836	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	20,800	25,361	27,533	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	24,429	39,242	45,665	No	No	No	High school diploma or equivalent	No	No	No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	21,406	28,614	31,287	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	22,001	27,386	27,433	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	30,862	44,107	49,416	No	No	No	Associate's degree	No	No	No
39-4012	Crematory Operators	29,360	37,418	44,721	No	No	No	High school diploma or equivalent	Yes	No	No
39-4021	Funeral Attendants	22,341	28,803	31,902	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	32,761	52,439	61,035	No	Yes	Yes	Associate's degree	No	No	No
	Barbers	21,509	32,650	37,534	No	No	No	Postsecondary nondegree award	No	No	No
39-5011	balbels										
	Hairdressers, Hairstylists, and Cosmetologists	22,566	36,912	44,962	No	No	No	Postsecondary nondegree award	No	No	No
39-5011		,	36,912	44,962	No	No	No	Postsecondary nondegree award	No	No	No

Wages - Workforce Re	egion 1		(4) 1 0					1				
May 2022			ages (\$) by Occupat Average Annual	High-Level Wage	Representative	Average Annu	Occupation Metric ual High-Level Wage			resentative	Average Annua	tional Level Metric al High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		ting Wage	Wage	Threshold
						•		·			-	
39-5093	Shampooers	19,649	23,182	25,015	No	No	No	High school diploma or equivalent	No		No	No
39-5094	Skincare Specialists	22,551	42,736	45,480	No	No	No	Postsecondary nondegree award	No		No	No
39-6011	Baggage Porters and Bellhops	20,424	28,028	32,544	No	No	No	High school diploma or equivalent	No		No	No
39-6012	Concierges	23,352	33,734	36,124	No	No	No	High school diploma or equivalent	No		No	No
39-7010 39-9011	Tour and Travel Guides Childcare Workers	25,956	35,747	38,270	No	No	No No	High school diploma or equivalent	No		No	No No
39-9011	Exercise Trainers and Group Fitness Instructors	22,167 19,649	28,079 39,865	29,871 46,563	No No	No No	No No	High school diploma or equivalent	No No		No No	No No
39-9032	Recreation Workers	21.026	29.088	30.640	No No	No	No No	Postsecondary nondegree award Bachelor's degree	No No		No	No No
39-9041	Residential Advisors	27,103	34,471	40,903	No	No	No	Some college, no degree	No		No	No
39-9099	Personal Care and Service Workers, All Other	20.800	24,623	22.714	No.	No	No	High school diploma or equivalent	No		No	No
41-1011	First-Line Supervisors of Retail Sales Workers	28,019	47,795	55,291	No	No	No	Some college, no degree	Yes		Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	43,369	99,555	101,223	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
41-2011	Cashiers	21,162	25,445	27,796	No	No	No	No formal educational credential	No		No	No
41-2012	Gambling Change Persons and Booth Cashiers	20,055	31,439	32,572	No	No	No	No formal educational credential	No		Yes	No
41-2021	Counter and Rental Clerks	23,784	36,701	39,950	No	No	No	No formal educational credential	Yes		Yes	Yes
41-2022	Parts Salespersons	22,406	35,248	39,469	No	No	No	High school diploma or equivalent	No		No	No
41-2031	Retail Salespersons	21,798	32,062	33,520	No	No	No	High school diploma or equivalent	No		No	No
41-3011	Advertising Sales Agents	23,558	62,078	64,129	No	Yes	Yes	Some college, no degree	No		Yes	Yes
41-3021	Insurance Sales Agents	23,989	54,973	60,909	No	Yes	Yes	Postsecondary nondegree award	No		Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	37,123	67,759	75,810	Yes	Yes	Yes	Bachelor's degree	No		No	No
41-3041	Travel Agents	23,362	41,273	47,347	No	No	No	Some college, no degree	No		Yes	Yes
41-2001	Sales Representatives of Services, Except Advertising, Insurance, Financial	29.090	63.155	76 262	No	Ver	Voc	Rachelor's degree	NI		No	No
41-3091	Services, and Travel Sales Representatives, Wholesale and Manufacturing, Technical and Scientific	29,090	63,155	76,263	No	Yes	Yes	Bachelor's degree	No		No	No
41-4011	Products	25.022	00.100	105 504	V	V	V	Deskaleda desere	No		V	V
-1-4011	Sales Representatives, Wholesale and Manufacturing, Except Technical and	35,823	90,196	105,684	Yes	Yes	Yes	Bachelor's degree	INO		Yes	Yes
41-4012	Scientific Products	32.147	66.486	77.387	No	Yes	Yes	Some college, no degree	Yes		Yes	Yes
41-9011	Demonstrators and Product Promoters	20.800	25.434	24.460	No	No	No	No formal educational credential	No.		No	No
41-9012	Models	20,764	30,872	33,196	No	No	No	High school diploma or equivalent	No		No	No
41-9021	Real Estate Brokers	52,000	76,602	79,154	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
41-9022	Real Estate Sales Agents	29.681	51.541	57.444	No.	No	No	Postsecondary nondegree award	No.		Yes	Yes
41-9031	Sales Engineers	71.092	158,761	183,789	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
41-9041	Telemarketers	21.650	28,558	29,603	No	No	No	High school diploma or equivalent	No		No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	20,367	33,517	47,158	No	No	No	High school diploma or equivalent	No		No	No
41-9099	Sales and Related Workers, All Other	20,834	37,451	43,021	No	No	No	Some college, no degree	No		No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	36,881	59,983	74,684	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	27,040	32,216	29,659	No	No	No	High school diploma or equivalent	No		No	No
43-2021	Telephone Operators	24,618	29,578	32,383	No	No	No	High school diploma or equivalent	No		No	No
43-2099	Communications Equipment Operators, All Other	21,945	46,468	54,498	No	No	No	High school diploma or equivalent	No		Yes	Yes
43-3011	Bill and Account Collectors	37,081	40,135	43,848	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-3021	Billing and Posting Clerks	31,806	40,406	44,593	No	No	No	High school diploma or equivalent	Yes		No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	29,751	42,833	48,011	No	No	No	Some college, no degree	Yes		Yes	Yes
43-3041	Gambling Cage Workers	20,962	30,277	36,020	No	No	No	High school diploma or equivalent	No		No	No
43-3051	Payroll and Timekeeping Clerks	31,515	41,469	46,660	No	No	No	Some college, no degree	Yes		Yes	Yes
43-3061	Procurement Clerks	31,028	42,983	49,170	No	No	No	Associate's degree	No		No	No
43-3071	Tellers	28,724	35,123	38,217	No	No	No	High school diploma or equivalent	No		No	No
43-3099	Financial Clerks, All Other	33,366	42,848	45,732	Yes	No	No	Some college, no degree	Yes		Yes	Yes
43-4011 43-4021	Brokerage Clerks	37,075	50,212	59,418	Yes	No	Yes	Some college, no degree	Yes		Yes	Yes
	Correspondence Clerks	31,590	35,283	38,354	No	No	No	High school diploma or equivalent	Yes		No	No
43-4031 43-4041	Court, Municipal, and License Clerks	31,198	40,022	39,843	No	No	No	Some college, no degree	Yes		No	No
43-4041	Credit Authorizers, Checkers, and Clerks Customer Service Representatives	45,327 27,163	45,518 37,496	45,327 43.071	Yes No	No No	No No	Some college, no degree	Yes No		Yes No	Yes No
43-4051		27,163			No		No No	High school diploma or equivalent	No		No	
43-4061	Eligibility Interviewers, Government Programs File Clerks	27,040	37,105 31,380	46,218 34,579	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No No		No No	No No
43-4071	Hotel, Motel, and Resort Desk Clerks	23,309	28.352	28.846	No	No	No	High school diploma or equivalent	No		No	No
43-4111	Interviewers, Except Eligibility and Loan	23,309	41.323	47.754	No	No	No	High school diploma or equivalent	Yes		No	No
43-4121	Library Assistants, Clerical	20,800	26,512	27,628	No	No	No	Some college, no degree	No		No	No
43-4131	Loan Interviewers and Clerks	36.410	45,722	48,590	Yes	No	No	High school diploma or equivalent	Yes		Yes	No
43-4141	New Accounts Clerks	34,254	41,027	44,437	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-4151	Order Clerks	29,389	52,227	65,690	No	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	32,796	41,671	46,649	No	No	No	Associate's degree	No		No	No
43-4171	Receptionists and Information Clerks	21,840	30,285	34,387	No	No	No	High school diploma or equivalent	No		No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	24,674	48,554	70,340	No	No	Yes	High school diploma or equivalent	No		Yes	Yes
43-4199	Information and Record Clerks, All Other	33,218	42,863	46,946	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-5011	Cargo and Freight Agents	29,899	47,611	57,332	No	No	No	High school diploma or equivalent	Yes		Yes	Yes
43-5021	Couriers and Messengers	23,544	30,427	33,964	No	No	No	High school diploma or equivalent	No		No	No
43-5031	Public Safety Telecommunicators	34,525	43,183	48,445	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	30,477	41,726	46,509	No	No	No	High school diploma or equivalent	Yes		No	No
43-5041	Meter Readers, Utilities	34,525	54,227	61,638	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5051	Postal Service Clerks	39,770	52,958	59,498	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5052	Postal Service Mail Carriers	39,645	53,846	70,179	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	38,584	49,893	56,202	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	30,814	49,323	57,826	No	No	No	Some college, no degree	Yes		Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	24,543	36,673	42,984	No	No	No	High school diploma or equivalent	No		No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	24,234	33,361	36,825	No	No	No	High school diploma or equivalent	No		No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	36,087	54,257	63,391	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	30,415	44,696	49,637	No	No	No	Some college, no degree	Yes		Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	25,818	35,163	38,006	No	No	No	Some college, no degree	No		No	No

Wages - Workforce Re	egion 1	Annual M	Jagos (\$) by Ossupat	ion	Wago M	note or Evenode All C	Assumption Motris		Maga Ma	ote or Evenode Educa	stional Loyal Matric
May 2022	+		lages (\$) by Occupat Average Annual	High-Level Wage	Representative	eets or Exceeds All C			Representativ	ets or Exceeds Educa e Average Annu	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage		Threshold
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	26,000	36,600	42,135	No	No	No	High school diploma or equivalent	No	No	No
43-9021 43-9022	Data Entry Keyers	26,437 26,294	33,029 32,083	35,461 39,728	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
43-9022	Word Processors and Typists Desktop Publishers	26,294	47.271	57,124	No No	No No	No No	High school diploma or equivalent Associate's degree	No No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	29,718	41.118	44,260	No	No	No	High school diploma or equivalent	Yes	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	22,832	33,895	37,907	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	24,358	37,367	43,646	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	24,208	35,428	41,606	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	26,640	32,931	34,490	No	No	No	Bachelor's degree	No	No	No
43-9111 43-9199	Statistical Assistants Office and Administrative Support Workers, All Other	33,498 27.678	43,436 38.864	48,150 43,927	Yes No	No No	No No	Bachelor's degree	No Yes	No No	No No
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	28,775	52,250	65,277	No	Yes	Yes	Some college, no degree High school diploma or equivalent	No	Yes	Yes
45-2011	Agricultural Inspectors	25,544	37,012	39,364	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders								l i		
45-2041	Graders and Sorters, Agricultural Products	21,085	24,854	25,856	No	No	No	No formal educational credential	No	No	No
45-2091	Agricultural Equipment Operators	24,788	34,348	36,530	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092 45-2093	Farmworkers and Laborers, Crop, Nursery, and Greenhouse Farmworkers, Farm, Ranch, and Aquacultural Animals	21,501 25,289	26,611 33,970	27,726 40.659	No No	No	No No	No formal educational credential	No	No	No
45-2093 45-2099	Agricultural Workers, All Other	25,289	33,970	40,659 39,601	No No	No No	No No	No formal educational credential No formal educational credential	Yes No	Yes Yes	Yes Yes
45-3031	Fishing and Hunting Workers	25,289	33,970	40,659	No	No	No	No formal educational credential	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	30,919	39,922	47,101	No	No	No	Postsecondary nondegree award	Yes	No	No
45-4021	Fallers	36,984	43,937	49,690	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
45-4022	Logging Equipment Operators	26,989	38,807	45,883	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	21,085	24,854	25,856	No	No	No	High school diploma or equivalent	No	No	No
45-4029 47-1011	Logging Workers, All Other First-Line Supervisors of Construction Trades and Extraction Workers	39,308 42.942	42,595 64.027	44,097 73,929	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-1011	Boilermakers	42,942 19,649	44,258	73,929 53,846	Yes No	Yes No	Yes No	Some college, no degree High school diploma or equivalent	Yes No	Yes Yes	Yes Yes
47-2011	Brickmasons and Blockmasons	28.805	40,220	47,633	No	No	No	High school diploma or equivalent	No	No	No
47-2022	Stonemasons	27,537	43,908	54,517	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-2031	Carpenters	30,248	43,022	46,472	No	No	No	Postsecondary nondegree award	No	No	No
47-2041	Carpet Installers	31,174	40,596	42,243	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	31,892	42,850	48,329	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	22,946	37,173	46,298	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044 47-2051	Tile and Stone Setters Cement Masons and Concrete Finishers	29,207 27,611	41,408 40.985	45,788 47.613	No No	No No	No No	No formal educational credential No formal educational credential	Yes Yes	Yes	Yes Yes
47-2053	Terrazzo Workers and Finishers	33.186	49,066	54.583	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	25,890	35,921	39,187	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	30,149	38,692	41,172	No	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	32,714	45,684	47,054	No	No	No	High school diploma or equivalent	Yes	Yes	No
47-2073	Operating Engineers and Other Construction Equipment Operators	31,009	40,588	46,029	No	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	21,655	37,868	47,516	No	No	No	No formal educational credential	No	Yes	Yes
47-2082 47-2111	Tapers Electricians	27,018 36,005	39,648 48,891	44,503 56,663	No Yes	No No	No No	No formal educational credential Postsecondary nondegree award	Yes Yes	Yes	Yes Yes
47-2111	Glaziers	26,254	38,700	44,985	No	No	No	High school diploma or equivalent	No	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	30,831	41,462	49,766	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	34,395	46,317	48,207	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2141	Painters, Construction and Maintenance	28,991	38,316	43,133	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	28,009	34,934	42,066	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2151 47-2152	Pipelayers Plumbers Dissettings and Steamfitters	31,270	39,577	42,290	No	No	No No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters Plasterers and Stucco Masons	34,183 27.545	47,128 38.033	52,401 44.981	Yes No	No No	No No	Postsecondary nondegree award No formal educational credential	Yes Yes	Yes Yes	Yes Yes
47-2171	Reinforcing Iron and Rebar Workers	33.300	44.333	52.042	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	26,123	41,145	46,024	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	34,561	45,410	52,232	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2221	Structural Iron and Steel Workers	33,489	46,081	53,790	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	33,564	41,065	44,220	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-3011	HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	19,649	32,421	36,049	No	No	No	No formal educational credential	No	Yes	Yes
47-3012 47-3013	HelpersCarpenters HelpersElectricians	27,156 28,611	32,979 35,378	35,709 36,876	No No	No No	No No	No formal educational credential High school diploma or equivalent	Yes No	Yes No	Yes No
47-3013	HelpersPainters, Paperhangers, Plasterers, and Stucco Masons	24,795	28.057	29.330	No	No	No	No formal educational credential	Yes	No	No
47-3015	HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters	29,270	34,385	35,360	No	No	No	High school diploma or equivalent	Yes	No	No
47-3016	HelpersRoofers	28,227	34,244	36,398	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	20,800	31,117	36,128	No	No	No	No formal educational credential	No	Yes	Yes
47-4011	Construction and Building Inspectors	35,454	53,480	64,446	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	37,713	84,733	109,584	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031 47-4041	Fence Erectors Hazardous Materials Removal Workers	27,499 28.642	37,881 41.071	43,955 47,765	No No	No No	No No	No formal educational credential	Yes No	Yes No	Yes No
47-4041 47-4051	Hazardous Materiais Removal Workers Highway Maintenance Workers	28,642 28,823	41,071 33,947	47,765 37,753	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No No	No No	No No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	42,576	51,806	58,815	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	28,879	45,023	52,448	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-4090	Miscellaneous Construction and Related Workers	27,252	39,120	44,166	No	No	No	High school diploma or equivalent	No	No	No
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas	38,675	51,003	53,298	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013 47-5022	Service Unit Operators, Oil and Gas	35,265	51,296	58,985	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-5022 47-5023	Excavating and Loading Machine and Dragline Operators, Surface Mining Earth Drillers. Except Oil and Gas	31,297 32,922	43,285 46,676	49,151 48,518	No Yes	No No	No No	High school diploma or equivalent	Yes Yes	No Vos	No No
	coron ormers, except on and das							High school diploma or equivalent		Yes	
47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	50.219	66.949	77.161	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes

Wages - Workforce Re Way 2022	egion 1	Annual W	ages (\$) by Occupat	tion	Wage Meet	s or Exceeds All C	Occupation Metric			Vage Meets o	r Exceeds Education	onal Level Metric
,			Average Annual	High-Level Wage	Representative	Average Annu				sentative	Average Annual	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starti	ng Wage	Wage	Threshold
47-5043	Roof Bolters, Mining								l			
47-5044 47-5049	Loading and Moving Machine Operators, Underground Mining	33,866 33,866	38,344 38,344	42,520 42,520	Yes	No No	No No	No formal educational credential No formal educational credential	Yes		Yes	Yes
47-5049 47-5051	Underground Mining Machine Operators, All Other Rock Splitters, Quarry	33,866	38,344 63.236	42,520 84.350	Yes Yes	Yes	Yes	No formal educational credential No formal educational credential	Yes Yes		Yes	Yes Yes
47-5051	Roustabouts, Oil and Gas	32,317	46,733	57,757	No	No	No No	No formal educational credential	Yes		Yes	Yes
47-5071	HelpersExtraction Workers	27.764	33.177	36,398	No No	No	No	High school diploma or equivalent	No.		No	No
47-5099	Extraction Workers, All Other	26,262	42,350	41,395	No	No	No	High school diploma or equivalent	No		No	No
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	43,413	69.914	83.832	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	31,201	40,574	47,986	No	No	No	Postsecondary nondegree award	Yes		No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	36,068	55,471	67,960	Yes	Yes	Yes	Associate's degree	No		Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	28,764	54,679	64,410	No	Yes	Yes	Postsecondary nondegree award	No		Yes	Yes
49-2091	Avionics Technicians	36,247	64,691	74,138	Yes	Yes	Yes	Associate's degree	No		Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	29,086	43,105	48,188	No	No	No	High school diploma or equivalent	No		No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	37,862	53,147	60,100	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	42,077	61,216	72,030	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	37,730	72,220	93,456	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	31,372	41,906	45,892	No	No	No	Postsecondary nondegree award	Yes		No	No
49-2097	Audiovisual Equipment Installers and Repairers	36,096	44,513	47,763	Yes	No	No	Postsecondary nondegree award	Yes		Yes	No
49-2098 49-3011	Security and Fire Alarm Systems Installers	31,200	44,432	50,785	No V	No	No	Postsecondary nondegree award	Yes		Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	43,717 35,603	65,342	75,698 47,134	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
49-3022	Automotive Body and Related Repairers Automotive Glass Installers and Repairers	35,603	46,725 43,710	47,134 51.777	Yes No	No No	No No	Postsecondary nondegree award High school diploma or equivalent	Yes Yes		Yes	No Yes
49-3022	Automotive Glass Installers and Repairers Automotive Service Technicians and Mechanics	28.151	43,710	51,777	No No	No No	Yes	High school diploma or equivalent	Yes No		Yes	Yes
49-3023	Bus and Truck Mechanics and Diesel Engine Specialists	28,151 37.227	45,735 53.341	58,874 60.407			Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	29,219	44,976	46,780	Yes No	Yes No	No Yes	Postsecondary nondegree award High school diploma or equivalent	No Yes		Yes	No No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	36,781	57.216	73.306	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-3043	Rail Car Repairers	35,378	50,795	56.482	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	30,160	47,857	58,537	No	No	No	Postsecondary nondegree award	No		Yes	Yes
49-3052	Motorcycle Mechanics	28,161	43,455	55,745	No	No	No	High school diploma or equivalent	No		No	Yes
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	25,334	36,188	41,115	No	No	No	High school diploma or equivalent	No		No	No
49-3091	Bicycle Repairers	22,162	34,547	41,263	No	No	No	High school diploma or equivalent	No		No	No
49-3092	Recreational Vehicle Service Technicians	28,888	45,930	57,918	No	No	No	High school diploma or equivalent	No		Yes	Yes
49-3093	Tire Repairers and Changers	27,169	31,898	34,997	No	No	No	High school diploma or equivalent	No		No	No
49-9011	Mechanical Door Repairers	29,474	43,493	51,352	No	No	No	High school diploma or equivalent	Yes		No	Yes
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	32,194	53,101	56,662	No	Yes	No	Postsecondary nondegree award	Yes		Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	34,315	47,905	57,871	Yes	No	No	Postsecondary nondegree award	Yes		Yes	Yes
49-9031	Home Appliance Repairers	28,860	40,499	45,244	No	No	No	Postsecondary nondegree award	No		No	No
49-9041	Industrial Machinery Mechanics	37,278	57,753	65,169	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-9043	Maintenance Workers, Machinery	36,090	51,508	54,394	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
49-9044	Millwrights	26,230	55,920	64,784	No	Yes	Yes	Postsecondary nondegree award	No		Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	24,713	32,752	36,011	No	No	No	High school diploma or equivalent	No		No	No
49-9051	Electrical Power-Line Installers and Repairers	45,972	73,704	94,112	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	34,800	48,557	54,647	Yes	No	No	Postsecondary nondegree award	Yes		Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	38,023	50,530	56,368	Yes	No	No	Associate's degree	Yes		No	No
49-9062	Medical Equipment Repairers	30,988	50,031	65,645	No	No	Yes	Associate's degree	No		No	Yes
49-9063	Musical Instrument Repairers and Tuners	26,951	39,676	48,679	No	No	No	High school diploma or equivalent	No		No	No
49-9064	Watch and Clock Repairers	23,399	27,839	27,159	No	No	No	High school diploma or equivalent	No		No	No
49-9069 49-9071	Precision Instrument and Equipment Repairers, All Other	38,325	54,517	62,386	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
49-9081	Maintenance and Repair Workers, General Wind Turbine Service Technicians	27,503 45,628	40,614 64,351	46,502 74,601	No Yes	No Yes	No Yes	High school diploma or equivalent	No Yes		No Yes	No Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	20,819	36,690	46,201	No No	No		Associate's degree				No
49-9092	Commercial Divers	37.362	50.323	53.903	Yes	No	No No	High school diploma or equivalent	No Yes		No Yes	Yes
49-9094	Locksmiths and Safe Repairers	37,206	42,112	38,861	Yes	No	No	Postsecondary nondegree award High school diploma or equivalent	Yes		No	No
49-9095	Manufactured Building and Mobile Home Installers	20.650	29.200	36,946	No No	No	No	High school diploma or equivalent	No.		No	No
49-9096	Riggers	31.680	39.266	38.016	No.	No	No	High school diploma or equivalent	Yes		No	No
49-9097	Signal and Track Switch Repairers	44,655	59.835	67.563	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
49-9098	HelpersInstallation, Maintenance, and Repair Workers	20,800	31,380	36,846	No	No	No	High school diploma or equivalent	No		No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	28,716	40,298	45,016	No	No	No	High school diploma or equivalent	No		No	No
51-1011	First-Line Supervisors of Production and Operating Workers	38,586	69,526	86,880	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	31,240	44,466	52,760	No	No	No	Postsecondary nondegree award	Yes		Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	31,401	43,001	45,816	No	No	No	High school diploma or equivalent	Yes		No	No
	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders,		-,									
51-2028	Tapers, and Finishers	25,208	39,963	49,447	No	No	No	High school diploma or equivalent	No		No	No
51-2031	Engine and Other Machine Assemblers	31,807	41,065	45,590	No	No	No	High school diploma or equivalent	Yes		No	No
51-2041	Structural Metal Fabricators and Fitters	30,225	41,348	49,154	No	No	No	High school diploma or equivalent	Yes		No	No
51-2051	Fiberglass Laminators and Fabricators	27,887	36,686	41,019	No	No	No	High school diploma or equivalent	No		No	No
51-2061	Timing Device Assemblers and Adjusters											
51-2090	Miscellaneous Assemblers and Fabricators	26,002	33,527	36,916	No	No	No	High school diploma or equivalent	No		No	No
51-3011	Bakers	22,012	29,454	34,619	No	No	No	High school diploma or equivalent	No		No	No
51-3021	Butchers and Meat Cutters	22,829	36,857	43,708	No	No	No	No formal educational credential	Yes		Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	23,902	35,251	38,550	No	No	No	No formal educational credential	Yes		Yes	Yes
51-3023	Slaughterers and Meat Packers	25,147	26,441	27,443	No	No	No	No formal educational credential	Yes		No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	23,513	35,000	34,367	No	No	No	No formal educational credential	Yes		Yes	Yes
51-3092	Food Batchmakers	21,510	31,448	35,897	No	No	No	High school diploma or equivalent	No		No	No
51-3093	Food Cooking Machine Operators and Tenders	23,721	30,248	33,498	No	No	No	High school diploma or equivalent	No		No	No
51-3099	Food Processing Workers, All Other Extrading and Drawing Machine Setters, Operators, and Tondors, Metal and	22,700	30,078	33,687	No	No	No	No formal educational credential	Yes		Yes	Yes
F1 4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and	20.402	20.252	42.400	I	N-	No	High asked distance as assistant.			N-	N-
51-4021	Plastic	29,493	38,250	42,406	No	No	INO	High school diploma or equivalent	Yes		No	No

Wages - Workforce R	egion 1				Wage Meets or Exceeds All Occupation Metric						
Nay 2022		Annual Wages (\$) by Occupation Representative Average Annual High-Level Wage			Representative	Average Annu			Wage Meets or Exceeds Educational Level Metric Representative Average Annual High-Level Wage		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
		0 0 10									
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	28,671	37,872	43,256	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	28,982	39,610	42,784	No	No	No	High school diploma or equivalent	No	No	No
	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and										
51-4031	Plastic	26,904	36,379	41,660	No	No	No	High school diploma or equivalent	No	No	No
E4 4000	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and										
51-4032	Plastic	28,491	53,166	78,984	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	24,543	32,232	34,339	No	No	No	High select distance on any intent	N-	No	No
31-4033	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and	24,543	32,232	34,339	INO	NO	NO	High school diploma or equivalent	No	NO	INO
51-4034	Plastic	26.394	36,785	45.193	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	29,795	39,837	43,625	No.	No	No	Postsecondary nondegree award	No	No	No
51-4041	Machinists	33,469	45,828	52,000	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	36,993	47,167	48,046	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-4052	Pourers and Casters, Metal	28,198	44,088	53,468	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-4061	Model Makers, Metal and Plastic	31,231	49,189	57,247	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	25,516	47,734	73,760	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-4071	Foundry Mold and Coremakers	21,992	37,985	51,938	No	No	No	High school diploma or equivalent	No	No	Yes
	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders,										
51-4072	Metal and Plastic	25,997	34,943	37,570	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	25,075	41,502	53,162	No	No	No	High school diploma or equivalent	No	No	Yes
51-4111	Tool and Die Makers	36,974	55,065	62,131	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	31,980	42,291	47,074	No	No	No	Postsecondary nondegree award	Yes	No	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	28,104	35,605	38,722	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	23,579	38,524	44,777	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	32,081	45,136	49,737	No	No	No	High school diploma or equivalent	Yes	Yes	No
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	28,425	38,032	42,387	No	No	No	High school diploma or equivalent	No	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	26,016	34,811	36,748	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	27,650	36,908	43,294	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	30,012	42,633	46,591	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	25,077	35,956	37,746	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	25,572	36,946	43,710	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	21,625	25,793	27,937	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	22,521	27,055	27,868	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	20,800	30,156	35,698	No	No	No	No formal educational credential	No	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	22,256	31,155	35,170	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders										
51-6051	Sewers, Hand	20,830	28,151	28,699	No	No	No	No formal educational credential	No	No	No
51-6052	Tailors, Dressmakers, and Custom Sewers	27,018	33,422	35,132	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	21,803	26,111	26,687	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	26,215	31,344	34,395	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	26,073	29,984	32,648	No	No	No	High school diploma or equivalent	No	No	No
F4 COC4	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and										
51-6064	Tenders	21,982	31,731	36,068	No	No	No	High school diploma or equivalent	No	No	No
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	31.920	55.613	79.097					.,	.,	W.
		- ,			No No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092 51-6093	Fabric and Apparel Patternmakers Upholsterers	25,516 29.413	47,734 37.896	73,760 40,746	No No	No No	Yes No	High school diploma or equivalent	No	Yes No	Yes No
51-6099		25,846	32,279	36,001	No	No	No	High school diploma or equivalent	Yes No	No	No
51-7011	Textile, Apparel, and Furnishings Workers, All Other Cabinetmakers and Bench Carpenters	28,958	38,790	45,105	No		No	High school diploma or equivalent	No		
51-7021	Furniture Finishers	24,254	37,561	46,299	No	No No	No	High school diploma or equivalent	No No	No No	No No
51-7021	Model Makers, Wood	24,234	37,301	40,233	INU	IVU	INU	High school diploma or equivalent	INU	INU	INU
51-7032	Patternmakers, Wood								1		
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	24,713	32.752	36,011	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	23,152	29.641	34.463	No	No	No	High school diploma or equivalent	No No	No	No.
51-7099	Woodworkers, All Other	25,132	30.806	31,136	No	No	No	High school diploma or equivalent	No	No	No No
51-8011	Nuclear Power Reactor Operators	45.864	72,362	91,614	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	50,700	83,849	97,981	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	45,864	72,362	91,614	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	45,571	59,514	64.351	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	32,430	46,687	55,984	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	39,525	58.551	63.387	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-8092	Gas Plant Operators	32,657	49,236	59,533	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	45,798	59,439	74.893	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	38.108	54,706	61.328	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	28,573	52,212	68,038	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
-	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,	-,	- , -	,							
51-9012	Operators, and Tenders	29,945	41,447	49,149	No	No	No	High school diploma or equivalent	Yes	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	26,630	39,223	44,409	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	26,904	33,602	36,540	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	26,564	37,229	42,340	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	20,736	33,687	37,843	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	29,111	35,735	38,042	No	No	No	High school diploma or equivalent	No	No	No
	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and	-,	,								
51-9041	Tenders	26.186	36,105	42.680	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	28,973	37,107	41,651	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	30,146	52,657	65,287	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	23,787	46,260	54,073	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	28,828	48,324	52,832	No	No	No	Postsecondary nondegree award	No	Yes	Yes
		·			-						

Wages - Workforce Region 1

Wages - Workforce Re May 2022	egion 1	Annual I	Wages (\$) by Occupa	tion	Wage Meet	ts or Exceeds All Occ	unation Metric		Wage Meets	or Exceeds Education	aal Level Metric
viay 2022		Representative	Average Annual	High-Level Wage	Representative	Average Annual			Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-9082	Medical Appliance Technicians	26,819	38,080	47,130	No	No	No	Postsecondary nondegree award	No	No	No
51-9083	Ophthalmic Laboratory Technicians	27,248	33,604	35,220	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	21,812	33,838	37,966	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	23,825	33,933	40,120	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	30,138	43,356	46,460	No	No	No	High school diploma or equivalent	Yes	No	No
51-9141	Semiconductor Processing Technicians										
51-9151	Photographic Process Workers and Processing Machine Operators	22,115	33,441	36,011	No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	31,309	42,233	47,334	No	No	No	Postsecondary nondegree award	Yes	No	No
51-9162	Computer Numerically Controlled Tool Programmers	34,745	56,775	66,240	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	21,982	31,731	36,068	No	No	No	High school diploma or equivalent	No	No	No
51-9192 51-9193	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders Cooling and Freezing Equipment Operators and Tenders	24,618 26,082	34,065 43,228	44,655 46.043	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
51-9194	Etchers and Engravers	27,613	43,228 32.931	36.294	No No	No	No	High school diploma or equivalent High school diploma or equivalent	No No	No No	No No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	29,458	34,917	35,267	No No	No	No	High school diploma or equivalent	Yes	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	27,565	42,019	49,501	No	No	No	High school diploma or equivalent	No No	No	No
51-9197	Tire Builders	27,433	35,501	38,363	No	No	No	High school diploma or equivalent	No	No	No
51-9198	HelpersProduction Workers	28,080	38,139	48.681	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	25,756	36,110	41,414	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	35,765	53,931	58,834	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
*****	First-Line Supervisors of Transportation and Material Moving Workers, Except	33,703	33,331	30,034	163	103	103	riigii serioor dipionia or equivalent	163	103	103
53-1047	Aircraft Cargo Handling Supervisors	33,695	53,912	64.515	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	81,994	103,311	115.523	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
53-2012	Commercial Pilots	52,000	93,830	140,583	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	75,536	119,369	148,549	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	75,536	119,369	148,549	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	33,262	65,447	74,733	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	24,325	28,964	30,749	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	20,800	34,457	42,394	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	32,906	45,715	50,171	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	22,790	39,610	43,706	No	No	No	High school diploma or equivalent	No	No	No
53-3051	Bus Drivers, School	29,855	33,621	36,170	No	No	No	High school diploma or equivalent	Yes	No	No
53-3052	Bus Drivers, Transit and Intercity	28,285	37,134	39,817	No	No	No	High school diploma or equivalent	No	No	No
53-3053	Shuttle Drivers and Chauffeurs	22,344	29,635	31,452	No	No	No	High school diploma or equivalent	No	No	No
53-3054	Taxi Drivers	19,715	29,937	30,173	No	No	No	No formal educational credential	No	Yes	No
53-3099	Motor Vehicle Operators, All Other	21,645	29,238	33,577	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	53,459	64,937	70,151	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	30,418	50,993	49,123	No	No	No	High school diploma or equivalent	Yes	Yes	No
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	36,965	55,896	58,466	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	59,864	67,572	70,198	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	27,603	39,449	49,548	No	No	No	High school diploma or equivalent	No	No	No
53-4099	Rail Transportation Workers, All Other	38,977	39,629	38,987	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-5011	Sailors and Marine Oilers	27,509	43,020	47,460	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	35,454	60,099	76,863	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	26,914	42,916	50,294	No	No	No	Postsecondary nondegree award	No	No	Yes
53-5031	Ship Engineers	68,555	92,852	103,337	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	22,748	30,267	34,367	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	20,940	25,759	27,059	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	22,946	31,258	35,592	No	No	No	No formal educational credential	Yes	Yes	Yes
53-6032 53-6041	Aircraft Service Attendants Traffic Technicians	28,151	34,924	35,293	No	No	No	High school diploma or equivalent	No	No	No
53-6051		30,148	46,902	54,526	No	No	No	Associate's degree	No	No	No
53-6061	Transportation Inspectors	59,849 20,103	80,198 30,787	87,551 35,982	Yes No	Yes No	Yes No	High school diploma or equivalent High school diploma or equivalent	Yes No	Yes No	Yes No
53-6099	Passenger Attendants Transportation Workers, All Other	19,649	29,039	30,768	No	No	No No	High school diploma or equivalent	No No	No No	No No
53-7011	Conveyor Operators and Tenders	27.906	32,714	33,829	No No	No.	No No	No formal educational credential		Yes	Yes
53-7011	Crane and Tower Operators	27,906 34.184	57,714 57,161	33,829 69.144			No Yes		Yes	Yes	Yes
53-7021	Dredge Operators	34,184	44.711	46.563	Yes	Yes No	No.	High school diploma or equivalent High school diploma or equivalent	Yes Yes	Yes	No.
53-7031	Hoist and Winch Operators	30,475	47,753	48,934	Yes No	No	No	No formal educational credential	Yes	Yes	Yes
53-7041	Industrial Truck and Tractor Operators	28,876	37,433	39,669	No No	No	No	No formal educational credential No formal educational credential	Yes	Yes	Yes
53-7051	Cleaners of Vehicles and Equipment	21,548	29,041	31,853	No	No	No	No formal educational credential	No No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	24,702	33,335	38,056	No	No.	No	No formal educational credential	Yes	Yes	Yes
53-7062	Machine Feeders and Offbearers	27,433	35,501	38,363	No.	No.	No	No formal educational credential	Yes	Yes	Yes
53-7064	Packers and Packagers, Hand	21,433	24.641	24.862	No.	No.	No	No formal educational credential	No.	No.	No.
53-7065	Stockers and Order Fillers	24,321	31.533	34,746	No No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	29,001	34,594	32,138	No	No	No	High school diploma or equivalent	No	No	No
53-7072	Pump Operators, Except Wellhead Pumpers	31.004	43,606	48,953	No	No	No	High school diploma or equivalent	Yes	Yes	No
		29,001	34,594	32,138	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers										
	Wellhead Pumpers Refuse and Recyclable Material Collectors			49,749	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7073		29,772 40,961	41,182 57,086					0	Yes Yes	Yes Yes	Yes Yes

^{*} indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

Summary - Workforce Region 1

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	32,915	51,745	58,820	820
No formal educational credential	22,630	29,832	32,645	82
High school diploma or equivalent	29,229	43,584	49,915	232
Some college, no degree	27,609	40,227	45,168	49
Postsecondary nondegree award	30,425	43,052	49,349	89
Associate's degree	37,457	54,494	61,776	68
Bachelor's degree	44,657	79,183	92,992	184
Master's degree	56,908	82,275	92,950	43
Doctoral or professional degree	68,272	142,768	142,958	73

	Representative	Starting Wage	Average Ar	nual Wage	High-Level Wage Threshold		
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	
All Occupations	490	330	468	352	464	356	
No formal educational credential	37.80%	62.20%	31.71%	68.29%	32.93%	67.07%	
High school diploma or equivalent	67.24%	32.76%	75.86%	24.14%	79.31%	20.69%	
Some college, no degree	34.69%	65.31%	28.57%	71.43%	30.61%	69.39%	
Postsecondary nondegree award	43.82%	56.18%	33.71%	66.29%	34.83%	65.17%	
Associate's degree	67.65%	32.35%	39.71%	60.29%	38.24%	61.76%	
Bachelor's degree	60.33%	39.67%	64.13%	35.87%	60.33%	39.67%	
Master's degree	79.07%	20.93%	65.12%	34.88%	58.14%	41.86%	
Doctoral or professional degree	76.71%	23.29%	67.12%	32.88%	61.64%	38.36%	

May 2022	egion 2	Annual V	Vages (\$) by Occupat	tion	Wage Me	ets or Exceeds All C	Occupation Metric			Wase Meets	or Exceeds Education	onal Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annual	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
11-1011	Chief Executives	71,628	245,490	*	Yes	Yes	Yes*	Bachelor's degree		Yes	Yes	Yes*
11-1021	General and Operations Managers	37,594	99,312	122,678	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-1031	Legislators	20,800	74,744	119,617	No	Yes	Yes	Bachelor's degree		No	No	Yes
11-2011	Advertising and Promotions Managers	50,745	109,534	132,222	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2021	Marketing Managers	72,102	155,111	202,265	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2022 11-2032	Sales Managers Public Relations Managers	49,668 59,551	134,008 104.021	179,982 122.116	Yes	Yes	Yes	Bachelor's degree	_	Yes	Yes	Yes
11-2032	Fundraising Managers Fundraising Managers	62,199	118,160	143,867	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes Yes
11-3012	Administrative Services Managers	31,529	93,819	119,089	No	Yes	Yes	Bachelor's degree	_	No	Yes	Yes
11-3012	Facilities Managers	38,210	81,774	100,235	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-3021	Computer and Information Systems Managers	95.070	152,908	175.676	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3031	Financial Managers	63,873	154,084	165,526	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3051	Industrial Production Managers	65,163	112,327	133,557	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3061	Purchasing Managers	63,557	112,346	130,104	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	47,032	106,021	126,591	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-3111	Compensation and Benefits Managers	69,851	116,450	145,844	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3121	Human Resources Managers	76,491	119,114	131,444	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3131	Training and Development Managers	71,055	137,592	174,837	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	23,089	84,849	118,542	No	Yes	Yes	Bachelor's degree		No	No	Yes
11-9021	Construction Managers	57,432	113,106	125,802	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	30,940	50,994	54,595	No	No	No	Bachelor's degree		No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	60,373	85,290	98,466	Yes	Yes	Yes	Master's degree	1	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	58,082	96,838	99,493	Yes	Yes	Yes	Master's degree	\perp	Yes	Yes	Yes
11-9039	Education Administrators, All Other	49,288	97,543	119,517	Yes	Yes	Yes	Master's degree	\perp	No	Yes	Yes
11-9041 11-9051	Architectural and Engineering Managers	103,288	153,988	172,859	Yes	Yes	Yes	Bachelor's degree	+	Yes	Yes	Yes
11-9051 11-9071	Food Service Managers Gambling Managers	37,897 58,941	79,484 113,145	101,381 114,339	Yes Yes	Yes	Yes	Some college, no degree	+	Yes	Yes Yes	Yes
11-9071		37.638	74.460	114,339 82.987		Yes	Yes	Some college, no degree	_			Yes
11-9072	Entertainment and Recreation Managers, Except Gambling Lodging Managers	37,638	74,460	90.600	Yes No	Yes	Yes Yes	Bachelor's degree Bachelor's degree	_	No No	No No	No No
11-9081	Medical and Health Services Managers	55,682	116.956	121.826	-		Yes		_	Yes	Yes	Yes
11-9111	Natural Sciences Managers	55,682	116,956	121,826	Yes Yes	Yes Yes	Yes	Bachelor's degree	_	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	72,640	88.011	96.293	Yes	Yes	Yes	Bachelor's degree High school diploma or equivalent	_	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	33,905	60.316	67.250	No	Yes	Yes	Bachelor's degree	-	No	No	No.
11-9151	Social and Community Service Managers	44,204	70.538	77,643	Yes	Yes	Yes	Bachelor's degree	_	No	No	No
11-9161	Emergency Management Directors	47,860	85.967	102,741	Yes	Yes	Yes	Bachelor's degree	-	No	No	No
11-9171	Funeral Home Managers	44,727	77,293	78,315	Yes	Yes	Yes	Associate's degree	-	Yes	Yes	Yes
11-9179	Personal Service Managers, All Other	45,806	74,866	90,122	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9199	Managers, All Other	56.156	114.297	134,230	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	28,649	91,899	149,723	No	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-1020	Buyers and Purchasing Agents	40.241	79,902	98.016	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	41,267	68,300	79,435	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	47.249	65,714	75,124	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
13-1041	Compliance Officers	37,579	67,082	79,352	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1051	Cost Estimators	28,939	62,734	79,282	No	Yes	Yes	Bachelor's degree		No	No	No
13-1071	Human Resources Specialists	36,982	67,375	81,540	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1074	Farm Labor Contractors							-				
13-1075	Labor Relations Specialists	39,157	74,522	95,395	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1081	Logisticians	54,725	87,770	104,639	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
13-1082	Project Management Specialists	50,454	95,801	121,125	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1111	Management Analysts	42,577	100,937	116,376	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	28,996	47,645	60,270	No	No	No	Bachelor's degree		No	No	No
13-1131	Fundraisers	32,203	62,680	79,904	No	Yes	Yes	Bachelor's degree		No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	38,408	57,885	60,656	Yes	Yes	No	Bachelor's degree	1	No	No	No
13-1151	Training and Development Specialists	32,187	68,783	85,661	No	Yes	Yes	Bachelor's degree	\perp	No	No	No
13-1161 13-1199	Market Research Analysts and Marketing Specialists	31,274	68,082	81,816	No	Yes	Yes	Bachelor's degree	+	No	No	No
13-1199	Business Operations Specialists, All Other Accountants and Auditors	47,419	84,581	100,526	Yes	Yes	Yes	Bachelor's degree	+	No	No	No
13-2011	Property Appraisers and Assessors	40,827 29,995	78,250 57,759	97,415 65,661	Yes No	Yes	Yes Yes	Bachelor's degree Bachelor's degree	+	No No	No No	No No
13-2020	Budget Analysts	29,995 54,725	57,759 79,826	65,661 89,939	No Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	+	Yes	No No	No No
13-2031	Budget Analysts Credit Analysts	54,725 45.662	79,826 68.063	89,939 68,598	Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	+	Yes No	No No	No No
13-2041	Financial and Investment Analysts	45,062 58.859	84.608	93,560	Yes	Yes	Yes	Bachelor's degree	+	Yes	No	No
13-2052	Personal Financial Advisors	35,722	99.565	93,560	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	+	Yes No	Yes	Yes
13-2053	Insurance Underwriters	44.641	69.306	81.620	Yes	Yes	Yes	Bachelor's degree	+	No	No.	No Yes
13-2054	Financial Risk Specialists	51,968	105.053	122.143	Yes	Yes	Yes	Bachelor's degree	+	Yes	Yes	Yes
13-2061	Financial Examiners	42,673	75,019	91,966	Yes	Yes	Yes	Bachelor's degree	+ - }	No	No	No
13-2071	Credit Counselors	32,575	46,962	47,268	No	No	No	Bachelor's degree		No	No	No
13-2072	Loan Officers	23,998	66,348	81,329	No	Yes	Yes	Bachelor's degree	1 1	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	28,933	36,421	34,929	No	No	No	Bachelor's degree		No	No	No
13-2082	Tax Preparers	22,449	44,717	60,623	No	No	No	Postsecondary nondegree award		No	No	Yes
13-2099	Financial Specialists, All Other	37,291	82,629	100,526	Yes	Yes	Yes	Bachelor's degree		No	No	No
15-1211	Computer Systems Analysts	64,636	111,075	136,341	Yes	Yes	Yes	Bachelor's degree	+	Yes	Yes	Yes
15-1212	Information Security Analysts	76,133	110,975	129,285	Yes	Yes	Yes	Bachelor's degree	+	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	79,822	112,686	122,678	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
15-1231	Computer Network Support Specialists	43,874	73,875	82,187	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1232	Computer User Support Specialists	34,189	60,318	72,688	No	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
15-1241	Computer Network Architects	78,814	115,281	129,793	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
						Yes						Yes
15-1242	Database Administrators	59,360	99,451	122,243	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	162

May 2022	egion 2	Annual W	/ages (\$) by Occupat	ion I	Wage Me	ets or Exceeds All C	Occupation Metric			Wage Meets	or Exceeds Education	onal Level Metric
110, 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
15-1244	Network and Computer Systems Administrators	59,522	97,442	119,752	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1251	Computer Programmers	47,414	88,676	103,842	Yes	Yes	Yes	Bachelor's degree		No	No	No
15-1252	Software Developers	65,602	113,562	133,199	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1253	Software Quality Assurance Analysts and Testers	61,384	103,141	120,796	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1254 15-1255	Web Developers Web and Digital Interface Designant	39,388	107,774	129,058	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
15-1255	Web and Digital Interface Designers Computer Occupations, All Other	43,470 66,206	77,527 92.551	94,427 103.168	Yes	Yes	Yes Yes	Associate's degree		Yes	Yes Yes	Yes No
15-2011	Actuaries	67,816	119,736	129,069	Yes Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
15-2021	Mathematicians	38,212	90.800	124,866	Yes	Yes	Yes	Master's degree		No	Yes	Yes
15-2031	Operations Research Analysts	59,636	101,101	119,517	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2041	Statisticians	38.899	80.072	96,991	Yes	Yes	Yes	Master's degree		No	No	Yes
15-2051	Data Scientists	56,712	100,053	115,734	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2099	Mathematical Science Occupations, All Other	38,899	80,072	96,991	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1011	Architects, Except Landscape and Naval	52,438	98,300	103,182	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
17-1012	Landscape Architects	36,530	63,966	73,462	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1021	Cartographers and Photogrammetrists	42,272	65,753	77,331	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1022	Surveyors	34,866	62,399	78,312	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2011	Aerospace Engineers	66,578	104,243	125,460	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2021	Agricultural Engineers											
17-2031	Bioengineers and Biomedical Engineers	56,811	94,383	118,227	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2041 17-2051	Chemical Engineers	64,367 55,221	104,251 114,216	128,238 131,379	Yes Yes	Yes Yes	Yes Yes	Bachelor's degree		Yes	Yes Yes	Yes Yes
17-2051	Civil Engineers Computer Hardware Engineers	55,221 63,669	97,923	131,379 113,881	Yes Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2061	Electrical Engineers	63,669	97,923 104.999	113,881 126.355	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
17-2071	Electronics Engineers Electronics Engineers, Except Computer	62,431	104,999	125,355	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
17-2081	Environmental Engineers	58,966	91.301	106.954	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	53,310	81,492	101,866	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2112	Industrial Engineers	64,161	97,807	114,151	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	49,226	74,522	87.638	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2131	Materials Engineers	54,299	88.737	108,712	Yes	Yes	Yes	Bachelor's degree		Yes	No	Yes
17-2141	Mechanical Engineers	60,927	93,716	106,954	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	44,364	92,405	103,936	Yes	Yes	Yes	Bachelor's degree		No	Yes	No
17-2161	Nuclear Engineers	77,474	111,664	121,026	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2171	Petroleum Engineers	64,195	125,420	150,468	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2199	Engineers, All Other	79,352	120,331	141,627	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	36,507	56,362	62,882	Yes	Yes	No	Associate's degree		No	No	No
17-3012	Electrical and Electronics Drafters	44,192	55,970	65,800	Yes	Yes	Yes	Associate's degree		Yes	No	No
17-3013	Mechanical Drafters	33,246	55,196	67,890	No	No	Yes	Associate's degree		No	No	Yes
17-3019	Drafters, All Other	34,925	52,980	60,241	Yes	No	No	Associate's degree		No	No	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	57,059	71,945	84,740	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	36,404	49,248	56,784	Yes	No	No	Associate's degree		No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	60,258	72,880	81,661	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3024 17-3025	Electro-Mechanical and Mechatronics Technologists and Technicians	71,419	77,795	77,670	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians Industrial Engineering Technologists and Technicians	29,987 46,818	44,144 65,286	49,895 73,600	No Yes	No Yes	No Yes	Associate's degree		No Yes	No Yes	No Yes
17-3020	Mechanical Engineering Technologists and Technicians	40,818	58,465	64,958	Yes	Yes	Yes	Associate's degree Associate's degree		Yes	No	No No
17-3027	Calibration Technologists and Technicians	37,440	58,206	83,135	Yes	Yes	Yes	Associate's degree		No	No	Yes
17-3029	Engineering Technologists and Technicians, Except Drafters, All Other	47,756	77,326	86.070	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3031	Surveying and Mapping Technicians	30.674	45.856	54,922	No	No	No.	Associate's degree		No	No	No
19-1011	Animal Scientists	35,651	77,990	116,278	Yes	Yes	Yes	Master's degree		No	No	Yes
19-1012	Food Scientists and Technologists	37.906	75.267	103.687	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1013	Soil and Plant Scientists	38,068	79,337	98,949	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1021	Biochemists and Biophysicists	38,307	83,894	105,731	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-1022	Microbiologists	34,782	57,203	70,071	Yes	Yes	Yes	Master's degree		No	No	No
19-1023	Zoologists and Wildlife Biologists	32,270	51,232	55,254	No	No	No	Master's degree		No	No	No
19-1029	Biological Scientists, All Other	43,680	60,927	77,230	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1031	Conservation Scientists	28,995	57,123	79,352	No	Yes	Yes	Bachelor's degree		No	No	No
19-1032	Foresters	35,709	57,709	67,959	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1041	Epidemiologists	55,292	83,215	97,927	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-1042	Medical Scientists, Except Epidemiologists	66,559	175,800	118,848	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-1099 19-2011	Life Scientists, All Other	53,888	82,757	88,441	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19-2011 19-2012	Astronomers Physicists	74,417 74.417	152,216	213,526 213,526	Yes	Yes	Yes	Doctoral or professional degree	-	Yes	Yes	Yes
19-2012	Atmospheric and Space Scientists	74,417 59.801	152,216 80.197	213,526 86.396	Yes Yes	Yes	Yes Yes	Doctoral or professional degree Bachelor's degree		Yes Yes	Yes No	Yes No
19-2031	Chemists	59,801 51,647	115,464	86,396 144,726	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
19-2031	Materials Scientists	65,791	110,957	129.805	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	37,440	69.673	81.776	Yes	Yes	Yes	Bachelor's degree		No	No	No.
19-2042	Geoscientists, Except Hydrologists and Geographers	46,083	88,068	106,104	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		No	No	Yes
19-2043	Hydrologists	41,402	65.160	77.713	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2099	Physical Scientists, All Other	43,236	103,171	127,827	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
19-3011	Economists	57,871	91,908	112,046	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
19-3022	Survey Researchers	50,535	96,274	122,096	Yes	Yes	Yes	Master's degree		No	Yes	Yes
19-3032	Industrial-Organizational Psychologists	71,102	122,363	148,070	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	No
19-3033	Clinical and Counseling Psychologists	37,916	88,927	129,733	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3034	School Psychologists	43,647	70,968	78,105	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3039	Psychologists, All Other	47,048	96,074	115,246	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3041	Sociologists	28,038	56,076	48,576	No	Yes	No	Master's degree		No	No	No

Page	Wages - Workforce Re Way 2022	egion 2	Annual W	lagas (\$) by Ossuma	tion	Waga Maat	s or Evenode All (Occupation Matric		1 14/-	an Monte or Ever	ands Educational Lovel Matris
Secondary Company Co	viay 2022											
Marganesis Mar	Occupational Code	Occupational Title							Educational Requirement			
Marganesis Mar												
Section Sect				,								
Author Company Author Company Author Company Author Company Author Company Author Autho		* '	,	. , .	,							
Section Sect			,	,	,							
	19-3099			. ,	,				-			
March Marc												
Margin M	19-4013		-,		,							
Control Princetons	19-4021											
Georgia Information and Probability Formation 19,000 19,	19-4031	Chemical Technicians	30,636	49,035	59,390	No	No	No		No	No	No
March Marc	19-4042	Environmental Science and Protection Technicians, Including Health	37,650	53,505	62,000	Yes	No	No	Associate's degree	No	No	No
Marie Mari	19-4043	Geological Technicians, Except Hydrologic Technicians	30,244	38,890	42,491	No	No	No		No	No	No
Stand Stander Baumer Baumer Bander Balanes Stander Baumer Bander Balanes Stander Baumer Bander Balanes Stander Baumer Bander Balanes Stander Bander Bande	19-4044					Yes	No	Yes	Associate's degree		No	No
1969 1969												
Secret Secret Technique 1562 3,14												
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19.593 Okt, family, and forther Send Workers 13.233 4.094 A2.25 Wis 10	21-1019											
Healthurn South Workers 12,277 1,135 1,232 1,303 1,000 1	21-1021											
	21-1022											
19-10-19-19-19-19-19-19-19-19-19-19-19-19-19-	21-1023	Mental Health and Substance Abuse Social Workers	31,092		70,306	No	No	Yes		No	No	No
14-101-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	21-1029						Yes					No
15-109	21-1091			50,918	49,943							
Second and Human Force Austracter 2,001 34,439 6,5301 No.	21-1092					Yes	No	No		No	No	No
14:095	21-1093											
15-099 Community and Sould-Severs Specialists, Al Officer 20,000 Co.), 46 Co.), 50 No. N	21-1094	Community Health Workers	26,861	42,192	47,395	No	No	No		No	No	No
20.2021 Director, Neighbor Morters, ADD Other 7.9,609 5.1,528 6.1,553 10 No No Bachdor's diegree No No No Ro.	21-1099	Community and Social Service Specialists, All Other	20,800	60,246	65,609		Yes	Yes	Bachelor's degree	No	No	No
22-2021 Directors, Peligopos Anthreis and Education 28-409 62-274 54-5021 No	21-2011		28,834	52,726	63,383	No	No	No	Master's degree	No	No	No
13-1011 Lawyer	21-2021	Directors, Religious Activities and Education	28,429	51,528	61,951	No	No	No		No	No	No
13-1012 Audicial san Cinick	21-2099	Religious Workers, All Other	27,990	46,274	58,301	No	No	No	Bachelor's degree	No	No	No
23-2022 Administrative law Judges, Adjustances, and Neuring Offices 40,734 89,530 111,177 Ves Ves Ves Decirate or professional degree No No No No No 23-2022 Adjustances, and Magniture Longes, and Magniture Long	23-1011		55,266	115,216	133,346	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-2022 Abilitation, Mediations, and Conciliators	23-1012		38,403	44,169	46,176	Yes	No	No	Doctoral or professional degree	No	No	No
23-2023 Augres, Medipictures Augres, and A	23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	40,734	89,530	111,177	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-2013 Paralegia and Legal Assistants 31,117 50,109 59,766 No No No Associar's degree No No No 24,2093 16 (and in the famour, and searchers) 36,113 55,775 71,2600 Yes Yes 4 (and in the famour, and famour,												
23-2999 Light Boammers, Abstractors, and Searchers 36.113 55.775 71.000 Ves												
23-2099 Legal Support Vorlets, All Other 99,131 79,842 126,006 No												
Second S												
25-1021 Computer Science Teachers, Postsecondary												
25-032 Architecture Teachers, Postsecondary 37,075 98,376 123,474 ves ves ves ves Doctoral or professional diegree No												
Engineering Teachers, Postsecondary			-,	,								
Section Sect			44,950	80,291	118,/14	res	res	res	Doctoral or professional degree	NO	NO	NO
Society and Contervation Science Teachers, Postecondary	25-1042		50 206	95 270	05.615	Voc	Vor	Voc	Doctoral or professional degree	No	No	No
25-1051	25-1043		30,230	63,273	33,013	163	163	163	boctoral of professional degree	140	140	140
25-1052 Chemistry Teachers, Postsecondary 38,154 78,047 93,748 Ves Ves Ves Ves Doctoral or professional degree No	25-1051		44.727	61.463	59.553	Yes	Yes	No	Doctoral or professional degree	No	No	No
Environmental Science Teachers, Postsecondary	25-1052								,			
15-1054 Physics Feachers, Postsecondary 45,835 61,607 60,881 Ves Yes No Doctoral or professional degree No No No No No No No	25-1053		, .	-,-	, -							
25-1061 Anthropology and Archeology Teachers, Postsecondary	25-1054		, , , , , , , , , , , , , , , , , , , ,		,							
25-1062 Are, Ethnic, and Cultural Studies Teachers, Postsecondary	25-1061											
E-1063 Economics Teachers, Postsecondary A4,946 56,916 52,254 Ves Ves No Doctoral or professional degree No No No No No No No	25-1062											
S-1064 Geography Teachers, Postsecondary 44,727 61,63 59,553 Ves Yes No Doctoral or professional degree No No No No No No No	25-1063		44,946		52,254					No	No	No
Political Science Teachers, Postsecondary 43,399 61,110 56,429 Ves Yes No Doctoral or professional degree No No No No No No No	25-1064	,							,			
Psychology Teachers, Postsecondary Psycholog	25-1065		43,399	61,110	56,429							
Sociology Teachers, Postsecondary 45,777 96,398 115,132 Yes Yes Yes Ves Doctoral or professional degree No No No No No No No	25-1066		45,586		89,023			Yes		No	No	No
Social Sciences Teachers, Postsecondary, All Other 44,316 62,361 73,376 Yes Yes Yes Ne Sachelor's degree No No No No No No No	25-1067			,			Yes			No		
Nursing Instructors and Teachers, Postsecondary 46,093 76,576 90,533 Ves Ves Ves Master's degree No No No No No No No	25-1069		,	. ,	-,							
Education Teachers, Postsecondary 36,244 71,389 81,954 Ves Ves Ves Ves Doctoral or professional degree No No No No No No No	25-1071											
15-1082 Library Science Teachers, Postsecondary 46,312 70,940 78,171 Ves Ves Ves Ves Doctoral or professional degree No No No No No	25-1072								-			
	25-1081											
135,1112 Law Teachers, Postsecondary 43,351 135,049 199,694 Ves Ves Ves Ves Doctoral or professional degree No No Ves Ves			-,-		-,							
	25-1111											
25-1121			43,351	135,049	199,694	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
25-1122 Communications Teachers, Postsecondary 43,924 76,557 94,965 Yes Yes Yes Doctoral or professional degree No No No No No No No						.,			1	L		
English Language and Literature Teachers, Postsecondary			,	,	. , .							
25-1124 Foreign Language and Literature Teachers, Postsecondary 39,272 64,931 75,391 Yes Yes Yes Doctoral or professional degree No No No No No No No												
25-1125 History Teachers, Postsecondary 40,179 53,200 46,819 Yes No No Doctoral or professional degree No No No 25-1126 Philosophy and Religion Teachers, Postsecondary 43,552 64,453 75,544 Yes Yes Doctoral or professional degree No No No No												
25-1126 Philosophy and Religion Teachers, Postsecondary 43,552 64,453 75,544 Yes Yes Doctoral or professional degree No No No												
25-1132 Family and consumer sciences reactives, rostsectoridary 36,244 /1,389 81,954 Yes Yes Yes Master's degree No No No												
	25-1192	raminy and Consumer Sciences Teachers, Postsecondary	3b,244	/1,389	81,954	Yes	res	Yes	iviaster's degree	NO	No	NO

May 2022 Occupational Code 25-1193 25-1194 25-1199 25-2011 25-2012 25-2021 25-2022 25-2023 25-2031 55-2032	Occupational Title Recreation and Fitness Studies Teachers, Postsecondary Career/Technical Education Teachers, Postsecondary		ages (\$) by Occupat Average Annual Wage (\$)	High-Level Wage Threshold (\$)	Representative	Average Annu				Representative	or Exceeds Educati Average Annua	High-Level Wage
25-1193 25-1194 25-1199 25-2011 25-2012 25-2021 25-2022 25-2023 25-2031	Recreation and Fitness Studies Teachers, Postsecondary Career/Technical Education Teachers, Postsecondary											
25-1194 25-1199 25-2011 25-2012 25-2021 25-2022 25-2023 25-2031	Career/Technical Education Teachers, Postsecondary			inresnoia (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
25-1194 25-1199 25-2011 25-2012 25-2021 25-2022 25-2023 25-2031	Career/Technical Education Teachers, Postsecondary											
25-1199 25-2011 25-2012 25-2021 25-2022 25-2023 25-2031		42,081	71,800	75,735	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-2011 25-2012 25-2021 25-2022 25-2023 25-2031		30,003	52,052	64,408	No	No	Yes	Master's degree		No	No	No
25-2012 25-2021 25-2022 25-2023 25-2031	Postsecondary Teachers, All Other	35,489 22,999	62,887 30.015	74,178 30.453	Yes No	Yes No	Yes No	Doctoral or professional degree		No	No No	No No
25-2021 25-2022 25-2023 25-2031	Preschool Teachers, Except Special Education Kindergarten Teachers, Except Special Education	22,999 41.985	56,353	63,641				Associate's degree		No		
25-2022 25-2023 25-2031	Elementary School Teachers, Except Special Education	41,985 43,619	56,353	65,074	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		No No	No No	No No
25-2023 25-2031	Middle School Teachers, Except Special and Career/Technical Education	46,716	55,623	60,657	Yes	Yes	No No	Bachelor's degree		No	No	No
25-2031	Career/Technical Education Teachers, Middle School	45,539	62,935	71,322	Yes	Yes	Yes	Bachelor's degree		No	No	No
	Secondary School Teachers, Except Special and Career/Technical Education	46,922	57,841	59,647	Yes	Yes	No	Bachelor's degree		No	No	No
4J*4U34	Career/Technical Education Teachers, Secondary School	45,137	59,849	64,874	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2051	Special Education Teachers, Preschool	36,158	57,575	73,424	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	42,004	55,197	62,151	Yes	No	No	Bachelor's degree		No	No	No
25-2057	Special Education Teachers, Middle School	44,975	60,862	75,067	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2058	Special Education Teachers, Secondary School	47,368	66,460	76,280	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2059	Special Education Teachers, All Other	27,742	56,725	76,939	No	Yes	Yes	Bachelor's degree		No	No	No
	Adult Basic Education, Adult Secondary Education, and English as a Second											
25-3011	Language Instructors	35,709	54,948	70,758	Yes	No	Yes	Bachelor's degree		No	No	No
25-3021	Self-Enrichment Teachers	21,770	39,782	48,122	No	No	No	Some college, no degree		No	No	No
25-3031	Substitute Teachers, Short-Term	23,107	34,133	37,293	No	No	No	Bachelor's degree		No	No	No
25-3041	Tutors	22,369	38,104	46,494	No	No	No	Bachelor's degree		No	No	No
25-3099	Teachers and Instructors, All Other Archivists	29,725	65,755	81,661	No	Yes	Yes	Bachelor's degree		No	No	No
25-4011		28,057	44,927	53,649	No	No	No	Master's degree		No	No	No
25-4012	Curators	30,101	54,022	67,558	No	No	Yes	Master's degree		No	No	No
25-4013 25-4022	Museum Technicians and Conservators	28,563	45,080	53,745	No	No	No	Bachelor's degree		No	No No	No
25-4022 25-4031	Librarians and Media Collections Specialists Library Technicians	36,005 24.105	56,783 31.318	74,925 30,969	Yes No	Yes	Yes No	Master's degree		No No	No No	No No
25-9021		24,105	31,318 45.262	30,969 55.655	No No	No No	No No	Associate's degree				No No
25-9021	Farm and Home Management Educators Instructional Coordinators	45,789	74.848	94.284	Yes	Yes	Yes	Master's degree Master's degree		No No	No No	No
25-9044	Teaching Assistants, Postsecondary	20,243	31,448	39,129	No	No	No.	Bachelor's degree		No	No	No
25-9045	Teaching Assistants, Postsecondary Teaching Assistants, Except Postsecondary	22,947	27,763	29,870	No	No	No			No	No	No
25-9099	Educational Instruction and Library Workers, All Other	22,947	46.265	60.518	No No	No.	No No	Some college, no degree Bachelor's degree		No.	No No	No No
27-1011	Art Directors	47,449	84,801	95,596	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1012	Craft Artists	20.309	32,795	37.820	No	No.	No.	Some college, no degree		No	No	No.
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	26,261	45.137	45.481	No	No	No	Bachelor's degree		No	No	No
27-1014	Special Effects Artists and Animators	44.220	63.307	72,659	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1019	Artists and Related Workers, All Other	25,287	48,672	56,601	No	No	No	Some college, no degree		No	Yes	Yes
27-1021	Commercial and Industrial Designers	22,595	70,442	85,609	No	Yes	Yes	Bachelor's degree		No	No	No
27-1022	Fashion Designers	35.757	64,568	75,926	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1023	Floral Designers	25,052	34,903	36,280	No	No	No	High school diploma or equivalent	1 1	No	No	No
27-1024	Graphic Designers	31,612	56,846	65,539	No	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-1025	Interior Designers	37,170	60,876	68,171	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1026	Merchandise Displayers and Window Trimmers	27,513	36,951	41,391	No	No	No	Some college, no degree		No	No	No
27-1027	Set and Exhibit Designers	34,859	44,068	45,625	Yes	No	No	Bachelor's degree		No	No	No
27-1029	Designers, All Other	27,818	58,492	72,058	No	Yes	Yes	Bachelor's degree		No	No	No
27-2011	Actors	28,773	32,814	30,655	No	No	No	Some college, no degree		Yes	No	No
27-2012	Producers and Directors	38,941	72,455	97,614	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-2021	Athletes and Sports Competitors	24,255	61,884	61,540	No	Yes	No	Some college, no degree		No	Yes	Yes
27-2022	Coaches and Scouts	29,671	68,573	81,280	No	Yes	Yes	Bachelor's degree		No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	20,271	44,249	44,478	No	No	No	Some college, no degree		No	Yes	No
27-2031 27-2032	Dancers	28,773	32,814	30,655	No	No	No	High school diploma or equivalent		No	No	No
	Choreographers	28,773	32,814	30,655	No	No	No	Some college, no degree		Yes	No	No
27-2041 27-2042	Music Directors and Composers	30,330 28,773	67,023 32.814	79,576 30.655	No No	Yes No	Yes No	Bachelor's degree		No	No No	No No
27-2042	Musicians and Singers Disc Jockeys, Except Radio	28,773	32,814 57,986	57,422	No No	Yes	No No	Some college, no degree Bachelor's degree		Yes No	No No	No No
27-2091	Entertainers and Performers, Sports and Related Workers, All Other	21,207	57,986	57,422 57,422	No No	Yes	No No	Some college, no degree		No No	Yes	NO Yes
27-2099	Broadcast Announcers and Radio Disc Jockeys	21,207	57,986 57,986	57,422 57.422	No No	Yes	No No	Bachelor's degree		No No	Yes No	Yes No
27-3011	News Analysts, Reporters, and Journalists	34,629	69,201	57,422 82,566	Yes	Yes	No Yes	Bachelor's degree Bachelor's degree		No	No	No No
27-3023	Public Relations Specialists	36.099	80.505	90.482	Yes	Yes	Yes	Bachelor's degree		No.	No.	No
27-3031	Editors	44.869	79.196	103.719	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3042	Technical Writers	55,270	79,983	84,260	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
27-3043	Writers and Authors	51,618	74,110	87.494	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
27-3091	Interpreters and Translators	30,359	51,614	69,650	No	No	Yes	Bachelor's degree		No	No	No
27-3092	Court Reporters and Simultaneous Captioners	37,659	55,869	65,666	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
27-3099	Media and Communication Workers, All Other	20,204	45,118	55,837	No	No	No	Associate's degree	1 1	No	No	No
27-4011	Audio and Video Technicians	30,673	58,610	82,763	No	Yes	Yes	Associate's degree		No	No	Yes
27-4012	Broadcast Technicians	26,041	61,253	80,932	No	Yes	Yes	Associate's degree	1 1	No	Yes	Yes
27-4014	Sound Engineering Technicians	25,831	64,730	96,322	No	Yes	Yes	Associate's degree		No	Yes	Yes
27-4015	Lighting Technicians	28,649	47,077	57,938	No	No	No	Associate's degree		No	No	No
27-4021	Photographers	24,764	44,705	62,788	No	No	No	Some college, no degree		No	Yes	Yes
27-4031	Camera Operators, Television, Video, and Film	29,041	56,410	62,304	No	Yes	No	Bachelor's degree		No	No	No
27-4032	Film and Video Editors	31,677	52,856	62,094	No	No	No	Bachelor's degree		No	No	No
27-4099	Media and Communication Equipment Workers, All Other	26,672	64,281	88,441	No	Yes	Yes	Associate's degree		No	Yes	Yes
29-1011	Chiropractors	40,136	83,855	99,367	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
29-1021	Dentists, General	46,410	124,120	156,895	Yes	Yes	Yes	Doctoral or professional degree		No	No	Yes
29-1022	Oral and Maxillofacial Surgeons	50,181	217,147	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*
29-1023	Orthodontists	67,262	163,288	203,381	Yes	Yes	Yes	Doctoral or professional degree		Yes	Yes	Yes
29-1024	Prosthodontists	50,181	217,147	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*
29-1029	Dentists, All Other Specialists	50,181	217,147	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*

Representative Average Annual High-Level Wage Representative Average Annual High-Level Wage Representative Average Annual High-Level Wage	Wages - Workforce Re Way 2022	egion 2	A	((¢) b 0	e T	W M	F d- All (Samuella Madela				F d- Fd	
Second Process Company Company	viay 2022									R			
Separate	Occupational Code	Occupational Title							Educational Requirement				Threshold
1965													
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March Marc			,	,	,								
2015 Commission Program Color			- /	, .	. ,								
Section Ministry													
March Marc		Physical Therapists	60,047	92,312	101,525	Yes	Yes	Yes		N	٧o	No	No
19-10-19-1		·											
1965 1965		·											
19.10 19.1					,								
19.10 September Septembe	29-1129												
1911 September 1915 19	29-1131	Veterinarians	50,235	114,470	130,312	Yes	Yes	Yes	Doctoral or professional degree	N	٧o	No	No
1915 March Medical March													
19.10													
2-141													
2011 Seminologist 19,000													
September Sept					*								
2-2-2-1	29-1212				*								
177.60 1	29-1213			248,347	*			Yes*		N	٧o	Yes	
2011 March Section of Section Section		- · · · · · · · · · · · · · · · · · · ·			*								
24.1131 Monologish				,	*								
201212 Popularization and depression 15,048 200,050 10,075 10,0					*								
29-2222 Pelanterons, General 150,076 159,088 227,079 Ve Ve Ve Ve Ve Control or professional degree Ve Ve Ve Ve Ve Ve Ve				,	*								
29-2222 Pipotium, Printsprency 0,4655 24,1272 * Vec				-,-	227,579								
Page					*								
29-1250 Physicisms Al Other 94-156 286-201 * 197 *					*	Yes	Yes	Yes*	Doctoral or professional degree	N	٩o	Yes	Yes*
29-1241 Optobileminogens, Excerpt Pediatric 197,489 29,783 ** Ver Ver Ver Control or professional degree Ver V			,		*								
29-2242 Omtopale Suggens, Energy Pedatric Cupros C.2798 306, 194 Ver Ver			. ,		*								
Part			,	,	*								
29-1290 Surgeons, All Olfor 12,796 12,79				, .	*								
29-1297	29-1249				*								
Pathborne Department or Treating Presentations All Other 30,006 52,999 68,685 No.			27,703	48,299	52,149	No	No	No		N	No	No	No
29-2010 Clinical Laboratory Fernhologists and Fechnicans				,									
29-2013 Cardiovascular Technologists and Technologists and Technologists and Technologists and Technologists 53,660 70,000 78,672 78 78 78 78 78 78 78													
29-2022 Diagnostic Medical Sonographers 53,500 70,000 78,500 Ves													
29-2033 Nuclear Medicine Technologists 68,073 81,265 86,084 Ves Ves Ves Ves Ves Associate's degree Ves Ves Ves Ves Pes 29-2034 Associate's degree No													
29-2015 Radiologic technologists and Technologists and September Sp. 2015 Sp. 2025 Sp. 20													
29-2035 Magnetic Recommente Imaging Erchrologists 52,915 65,882 73,799 Ves V	29-2034		39,620	55,629	63,676	Yes	Yes	Yes		N	No	No	No
Emergency Medical Technicians 30,377 49,197 59,290 No No No No No No No No No Yes Yes Yes									Associate's degree				
29-2043 Paramedics													
22-2051 Dieteit Fechnicians 22,755 29,624 31,031 No No No No Associate's degree No No No No No 29-2053 Pharmany Technicians 31,031 41,891 51,1981 Ves No No No No Postsecondary nondegree award No No No No No 29-2053 Surgical Technicians 23,935 33,538 38,652 No No No No Postsecondary nondegree award No				-, -	,								
Paramsy Technicians 30,673 37,823 43,592 No No No No Postsecondary nondegree award No No No No Postsecondary nondegree award No													
29.2053 Psychiatric Technicians 23,935 36,538 38,652 No													
29-2055 Surgical Technologists and Cerbnicians 37,324 48,991 51,981 Yes No													
22-2057 Ophthalmic Medical Technicians 28,689 41,594 47,105 No								No	Postsecondary nondegree award				
22-2061 Licensed Practical and Licensed Vocational Nurses 31,218 48,622 55,588 No													
29-2072 Medical Records Specialists 30,206 43,960 48,298 No No No No Postscondary nondegree award Ves No				,	,===								
29-2081 Opticians, Dispensing 30,938 52,793 62,287 No					,								
29-2092													
29-2092 Health Earthcapelsts and Technicians, All Other 31,408 43,388 47,187 No No No No No Postscondary nondegree award Ves No No No No No No Postscondary nondegree award Ves No No No No No No No N													
29-9021 Health information Technologists and Medical Registrars 24,910 39,030 35,248 No No No Postsecondary nondegree award No No <td>29-2092</td> <td></td> <td>29,805</td> <td></td> <td>64,004</td> <td></td> <td></td> <td></td> <td></td> <td>N</td> <td>40</td> <td>Yes</td> <td>Yes</td>	29-2092		29,805		64,004					N	40	Yes	Yes
29-9091			31,408	43,388		No	No	No	Postsecondary nondegree award	Yı	/es	No	No
29-9092 Genetic Counselors 49,140 84,801 98,376 Ves Yes Yes Master's degree No Yes Yes 29-9093 Surgical Assistants 31,199 44,258 45,964 Yes No NO NO Postsecondary nondegree award Yes No Yes Yes No Ne Pess Postsecondary nondegree award No Yes Yes Yes No No No Ne Yes No No No Yes Yes No													
29-9093 Surgical Assistants 35,199 44,258 45,964 Ves No No Postsecondary nondegree award Yes No No 29-9093 Healthcare Practitioners and Technical Workers, All Other 30,111 62,992 68,561 No Yes Yes Postsecondary nondegree award No													
29-9099 Healthcare Practitioners and Technical Workers, All Other 30,111 62,992 68,561 No Yes Yes Postsecondary nondegree award No Yes Yes 31-1120 Home Health and Personal Care Aides 22,072 28,479 31,092 No			,=	,	,								
31-1120 Home Health and Personal Care Aides 22,072 28,479 31,092 No No No No High school diploma or equivalent No			,	,	.,								
31-1131 Nursing Assistants 25,831 32,492 35,049 No No No No No No No N													
31-1132 Orderlies 23,949 29,327 31,391 No No No High school diploma or equivalent No	31-1131	Nursing Assistants	25,831	32,492	35,049		No	No	Postsecondary nondegree award	N	No.		
31-2011 Occupational Therapy Assistants 50,554 64,176 70,605 Ves Ves Ves Associate's degree Yes Ves Ve									High school diploma or equivalent				
31-2012 Occupational Therapy Aides 28,601 53,515 65,265 No No Yes Postsecondary nondegree award No Yes Yes 31-2012 Physical Therapist Assistants 30,058 63,058 70,682 No Yes Yes Associate's degree No													
31-2021 Physical Therapist Assistants 30,058 63,058 70,682 No Yes Yes Associate's degree No Yes Yes 31-2022 Physical Therapist Aides 22,201 30,553 32,346 No No No Postsecondary nondegree award No Yes Yes 31-9011 Massage Therapists 20,800 59,251 58,209 No Yes No Postsecondary nondegree award No Yes Yes 31-9091 Detail Assistants 28,948 40,729 47,326 No No No Postsecondary nondegree award No													
31-2022 Physical Therapist Aides 22,201 30,053 32,346 No No No Postsecondary nondegree award No													
31-9011 Massage Therapists 20,800 59,251 58,209 No Yes No Postsecondary nondegree award No Yes Yes 31-9091 Dental Assistants 28,948 40,729 47,326 No No No Postsecondary nondegree award No			,	,	,								
31-9091 Dental Assistants 28,948 40,729 47,326 No No No Postsecondary nondegree award No No No No 31-9092 Medical Assistants 30,665 36,666 37,763 No													
31-9093 Medical Equipment Preparers 26,284 38,675 49,791 No No No High school diploma or equivalent No No No	31-9091												
31-9094 Medical Transcriptionists 22,925 29,277 30,162 No No No Postsecondary nondegree award No No No													
	31-9094	Medical Transcriptionists	22,925	29,277	30,162	No	No	No	Postsecondary nondegree award	N	10	No	No

Wages - Workforce Region 2

May 2022			Wages (\$) by Occup			s or Exceeds All Occu				leets or Exceeds Educatio	
		Representative	Average Annual	High-Level Wage	Representative	Average Annual	High-Level Wage		Representat		High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wag	ge Wage	Threshold
31-9095	DI ALL							I			
31-9095	Pharmacy Aides Veterinary Assistants and Laboratory Animal Caretakers	22,583 26,768	32,528 32,211	38,107 35,854	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
31-9090	Phlehotomists	30.368	32,211	35,854	No No	No No	No No	High school diploma or equivalent Postsecondary nondegree award	No No	No No	No No
31-9097	Healthcare Support Workers, All Other	28.934	46,565	54,725	No	No No	No	High school diploma or equivalent	No No	Yes	Yes
33-1011	First-Line Supervisors of Correctional Officers	40.218	51.748	. , .			No				
33-1011	First-Line Supervisors of Correctional Officers First-Line Supervisors of Police and Detectives	40,218	72,718	50,630 82,547	Yes Yes	No Yes	Yes	Some college, no degree	Yes No	Yes No	Yes No
33-1012	First-Line Supervisors of Police and Detectives First-Line Supervisors of Firefighting and Prevention Workers	44,936 50.960						Bachelor's degree			
33-1021	First-Line Supervisors of Firefighting and Prevention Workers First-Line Supervisors of Security Workers	30,960	79,953 44,434	95,754 49,317	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
		,			No	No	No	Bachelor's degree	No	No	No
33-1099 33-2011	First-Line Supervisors of Protective Service Workers, All Other Firefighters	38,491 30,300	51,175 44,844	56,457 53,685	Yes No	No No	No No	Some college, no degree	Yes	Yes	Yes
33-2011	Fire Inspectors and Investigators	35,526	59.378	72.452				Postsecondary nondegree award	No	No	No
33-2021		,.	,-		Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-3011	Forest Fire Inspectors and Prevention Specialists Bailiffs	53,171 27,875	87,438 52,894	98,710 62,294	Yes No	Yes No	Yes No	Some college, no degree	Yes	Yes	Yes
33-3011	Correctional Officers and Jailers	38.750	39,559	39,749	Yes	No No	No	High school diploma or equivalent	No Yes	Yes No	Yes No
33-3021	Detectives and Criminal Investigators	46,984	67,605	82,763	Yes	Yes	Yes	High school diploma or equivalent Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	25,831	28,009	28,172	No	No	No		No	No	No
33-3041	Parking Enforcement Workers	30.330	38.909	40.495	No	No	No	Bachelor's degree			
33-3051	Police and Sheriff's Patrol Officers	40,972	52,258	58,940	Yes	No	No	High school diploma or equivalent	Yes No	No No	No No
33-3052	Transit and Railroad Police	40,972 57.050	70.883	58,940 58,177			No No	Associate's degree	Yes	Yes	No No
33-9011	Animal Control Workers	27,035	38.164	42.224	Yes No	Yes No	No	Associate's degree	No Yes	No Yes	No
33-9021	Private Detectives and Investigators	33.280	52,072	42,224 57.885	No	No.	No No	Postsecondary nondegree award	No No	No	No No
33-9021		27.102	34,037	36,893	No	No No	No	Bachelor's degree	No No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators Security Guards	,	. ,	,				High school diploma or equivalent			
33-9032 33-9091		24,905	36,400	38,491	No	No	No	High school diploma or equivalent	No	No No	No
33-9091 33-9092	Crossing Guards and Flaggers Lifeguards. Ski Patrol. and Other Recreational Protective Service Workers	25,289	29,733	30,555	No	No	No	No formal educational credential	Yes	No No	No
33-9092 33-9093	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers Transportation Security Screeners	21,737 21,130	29,857 37,968	30,700 43,098	No No	No	No	No formal educational credential	No	No No	No
33-9093	School Bus Monitors	,				No	No	High school diploma or equivalent	No	No	No
		21,809	26,041	27,197	No	No	No	High school diploma or equivalent	No	No	No
33-9099	Protective Service Workers, All Other	26,269	41,688	47,665	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	35,320	60,995	73,887	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	28,503	40,806	46,989	No	No	No	High school diploma or equivalent	No	No	No
35-2011 35-2012	Cooks, Fast Food	22,653	26,185	27,782	No	No	No	No formal educational credential	No	No	No
	Cooks, Institution and Cafeteria	23,700	32,793	35,243	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2013	Cooks, Private Household	30,904	56,228	69,287	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
35-2014	Cooks, Restaurant	23,724	32,366	36,024	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	22,076	30,081	34,408	No	No	No	No formal educational credential	No	No	Yes
35-2019	Cooks, All Other	25,955	32,031	33,894	No	No	No	No formal educational credential	Yes	Yes	No
35-2021	Food Preparation Workers	23,348	30,267	34,315	No	No	No	No formal educational credential	Yes	No	Yes
35-3011	Bartenders	21,109	34,805	40,006	No	No	No	No formal educational credential	No	Yes	Yes
35-3023	Fast Food and Counter Workers	22,324	26,169	27,927	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	21,070	32,896	36,741	No	No	No	No formal educational credential	No	Yes	Yes
35-3041	Food Servers, Nonrestaurant	20,800	28,193	31,205	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	21,144	27,873	29,715	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	21,990	26,114	28,575	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	20,800	27,827	29,145	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	22,164	27,207	28,230	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	29,050	44,908	49,981	No	No	No	High school diploma or equivalent	No	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	35,541	51,440	62,967	Yes	No	No	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	22,587	32,980	33,596	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	23,057	29,415	30,730	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	23,347	29,060	31,716	No	No	No	No formal educational credential	Yes	No	No
37-2021	Pest Control Workers	30,731	42,712	46,088	No	No	No	High school diploma or equivalent	Yes	No	No
37-3011	Landscaping and Groundskeeping Workers	28,133	33,807	36,260	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	22,574	36,740	43,628	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	26,767	37,533	45,061	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other										
39-1013	First-Line Supervisors of Gambling Services Workers	31,525	55,149	67,682	No	No	Yes	Some college, no degree	Yes	Yes	Yes
	First-Line Supervisors of Entertainment and Recreation Workers, Except										
39-1014	Gambling Services	30,969	48,335	54,598	No	No	No	Some college, no degree	Yes	Yes	Yes
39-1022	First-Line Supervisors of Personal Service Workers	28,877	49,167	59,420	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	25,841	35,585	37,638	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	23,208	29,220	30,208	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	20,510	33,626	45,414	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	20,472	27,321	29,394	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	19,870	30,942	35,976	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	30,397	36,740	41,077	No	No	No	No formal educational credential	Yes	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	20,481	25,172	27,102	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	21,208	28,555	33,280	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	24,704	39,683	46,179	No	No	No	High school diploma or equivalent	No	No	No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	27,758	32,057	34,307	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	22,249	27,694	27,742	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	31,209	44,602	49,971	No	No	No	Associate's degree	No	No	No
39-4012	Crematory Operators	29,690	37,839	45,223	No	No	No	High school diploma or equivalent	No	No	No
39-4021	Funeral Attendants	22,593	29,127	32,260	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	33,129	53,028	61,721	No	No	No	Associate's degree	No	No	No
39-5011	Barbers	20,864	32,270	35,623	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	21,196	35,514	41,600	No	No	No	Postsecondary nondegree award	No	No	No
								1	l i		
39-5091	Makeup Artists, Theatrical and Performance			I							

May 2022	egion 2	Annual W	ages (\$) by Occupat	ion I	Wa	ge Meets or Exceeds Al	Occupation Metric	1	Was	e Meets or Exceeds	Educational Level Metric
viay 2022			Average Annual	High-Level Wage	Represen				Represer		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting \		Threshold	Educational Requirement	Starting		Threshold
39-5093	Shampooers	19,870	23,443	25,296	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	25,035	39,783	44,570	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	20,800	27,741	32,117	No	No	No	High school diploma or equivalent	No	No	No
39-6012 39-7010	Concierges	23,994	30,452	30,752	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	21,254	31,596	34,764	No	No	No No	High school diploma or equivalent	No	No	No No
39-9031	Childcare Workers Exercise Trainers and Group Fitness Instructors	22,614 21.091	27,764 36.336	29,680 47,592	No No	No No	No No	High school diploma or equivalent	No	No	No No
39-9031	Recreation Workers	21,091 23,392	31,522	47,592 34,478	No No	No No	No No	Postsecondary nondegree award	No No	No No	No No
39-9041	Residential Advisors	24,114	33,235	38.241	No	No	No	Bachelor's degree Some college, no degree	No	No	No No
39-9099	Personal Care and Service Workers, All Other	19,870	29,404	31,209	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	29.332	49,063	55,695	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	45,805	94,087	99,624	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	22,104	26,792	28,802	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	20,281	31,792	32,938	No	No	No	No formal educational credential	No	Yes	No
41-2021	Counter and Rental Clerks	23,785	35,306	39,353	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	22,847	36,271	44,202	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	22,368	32,385	34,469	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	30.951	62,629	68,704	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-3021	Insurance Sales Agents	31,200	59,981	65,519	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	37,610	61,694	61,432	Yes	Yes	No	Bachelor's degree	No	No	No
41-3041	Travel Agents	23,434	39,534	47,352	No	No	No	Some college, no degree	No	No	No
	Sales Representatives of Services, Except Advertising, Insurance, Financial								1 1		
41-3091	Services, and Travel	31,728	69,576	83,104	No	Yes	Yes	Bachelor's degree	No	No	No
	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific								1 1		
41-4011	Products	48,459	106,621	150,323	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
	Sales Representatives, Wholesale and Manufacturing, Except Technical and	.,	,.					1	1 1		
41-4012	Scientific Products	31,557	69,326	80,960	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	20,800	32,218	38,059	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models										
41-9021	Real Estate Brokers	50,169	74,564	109,833	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	30,875	54,654	64,277	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9031	Sales Engineers	46,599	117,950	153,534	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-9041	Telemarketers	20,520	29,939	31,410	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	20,596	33,894	47,688	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	21,073	35,568	35,936	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	36,928	58,417	68,308	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	26,119	32,955	34,769	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	24,895	29,910	32,747	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	22,191	46,991	55,111	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-3011	Bill and Account Collectors	30,579	40,062	47,713	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	29,840	41,040	46,991	No	No	No	High school diploma or equivalent	No	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	29,743	44,739	50,425	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	21,198	30,617	36,425	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	35,837	48,057	53,789	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	32,951	47,646	53,321	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	29,927	36,369	37,343	No	No	No	High school diploma or equivalent	No	No	No
43-3099	Financial Clerks, All Other	34,276	51,968	58,206	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	44,166	61,595	78,955	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	31,945	35,680	38,785	No	No	No	High school diploma or equivalent	Yes	No	No
43-4031	Court, Municipal, and License Clerks	35,320	39,895	43,348	Yes	No	No	Some college, no degree	Yes	No	No
43-4041	Credit Authorizers, Checkers, and Clerks	27,579	41,727	48,634	No	No	No	Some college, no degree	No	No	No
43-4051	Customer Service Representatives	26,525	36,683	39,334	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	27,040	41,288	49,701	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	28,916	34,807	34,608	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	24,104	29,365	30,056	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	30,385	36,403	38,189	No	No	No	High school diploma or equivalent	Yes	No	No
43-4121	Library Assistants, Clerical	22,910	28,390	28,211	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	29,701	44,184	50,098	No	No	No	High school diploma or equivalent	No	No	No
43-4141	New Accounts Clerks	34,639	41,488	44,937	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	25,983	35,075	38,675	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	27,465	42,528	47,119	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	23,594	31,597	35,257	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	28,661	36,094	35,522	No	No	No	High school diploma or equivalent	No	No	No
43-4199	Information and Record Clerks, All Other	35,069	45,959	50,690	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
43-5011	Cargo and Freight Agents	30,235	48,147	57,977	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-5021	Couriers and Messengers	24,667	31,887	33,964	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	33,785	42,111	47,264	No	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	27,141	42,289	48,713	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	30,723	45,232	48,412	No	No	No	High school diploma or equivalent	Yes	No	No
43-5051	Postal Service Clerks	39,770	54,038	68,307	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	39,645	54,060	70,179	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	36,855	49,828	64,157	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	30,928	56,771	69,306	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	27,471	39,112	47,037	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	31,841	36,500	39,118	No	No	No	High school diploma or equivalent	Yes	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	37,779	60,080	69,612	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012 43-6013	Legal Secretaries and Administrative Assistants	31,723	45,005	47,157	No	No	No	Some college, no degree	Yes	Yes	No
	Medical Secretaries and Administrative Assistants	29,699	35.996	38,869	No	Nο	No	Some college, no degree	Yes	No	No

Wages - Workforce Re	egion 2	A114	((¢) b 0			14/ 844-	F				14/ 84	F d- Ed	
May 2022			ages (\$) by Occupat Average Annual	ion High-Level Wage	Re	wage Meets epresentative	Average Annu	Occupation Metric al High-Level Wage		_	Representative	or Exceeds Education Average Annual	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)		arting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
	·		-						·			•	
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	28,062	38,515	45,788	No	D	No	No	High school diploma or equivalent		No	No	No
43-9021	Data Entry Keyers	26,913	36,440	39,394	No		No	No	High school diploma or equivalent	!	No	No	No
43-9022 43-9031	Word Processors and Typists Desktop Publishers	22,069 24.561	36,086 47.803	45,739 57.766	No No	-	No No	No No	High school diploma or equivalent		No No	No No	No No
43-9031	Insurance Claims and Policy Processing Clerks	27,617	43,658	48,460	No		No	No	Associate's degree High school diploma or equivalent	-	No	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	22,956	33.043	36,960	No.		No	No	High school diploma or equivalent		No	No	No
43-9061	Office Clerks, General	26,189	39,844	45,909	No		No	No	High school diploma or equivalent		No	No	No
43-9071	Office Machine Operators, Except Computer	22,198	37,050	42,619	No		No	No	High school diploma or equivalent		No	No	No
43-9081	Proofreaders and Copy Markers	26,939	33,301	34,878	No	0	No	No	Bachelor's degree		No	No	No
43-9111	Statistical Assistants	33,875	43,924	48,691	No	0	No	No	Bachelor's degree		No	No	No
43-9199	Office and Administrative Support Workers, All Other	33,047	43,579	49,213	No		No	No	Some college, no degree		Yes	Yes	No
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	29,098	52,837	66,011	No		No	Yes	High school diploma or equivalent	[No	Yes	Yes
45-2011	Agricultural Inspectors	25,831	37,428	39,807	No	0	No	No	Bachelor's degree		No	No	No
45-2021 45-2041	Animal Breeders	21.322	25,134	26.146		_	No	N-	No ferred adversary and establish		N-		N-
45-2041 45-2091	Graders and Sorters, Agricultural Products	21,322	25,134 34,734	26,146 36,941	No No		No	No No	No formal educational credential No formal educational credential		No Yes	No Yes	No Yes
45-2091	Agricultural Equipment Operators Farmworkers and Laborers, Crop, Nursery, and Greenhouse	23,067	34,734	30,941	No.		No	No	No formal educational credential		Yes	No.	No No
45-2092	Farmworkers, Farm, Ranch, and Aquacultural Animals	25,573	34,352	41,116	No		No	No	No formal educational credential		Yes	Yes	Yes
45-2099	Agricultural Workers, All Other	20,520	34,085	40.046	No		No	No	No formal educational credential		No	Yes	Yes
45-3031	Fishing and Hunting Workers	25,573	34,352	41,116	No		No	No	No formal educational credential		Yes	Yes	Yes
45-4011	Forest and Conservation Workers	31,267	40,371	47,631	No		No	No	Postsecondary nondegree award		Yes	No	No
45-4021	Fallers	37,400	44,431	50,248	Ye	es .	No	No	High school diploma or equivalent		Yes	No	No
45-4022	Logging Equipment Operators	27,293	39,243	46,398	No	D	No	No	High school diploma or equivalent		No	No	No
45-4023	Log Graders and Scalers	21,322	25,134	26,146	No	0	No	No	High school diploma or equivalent		No	No	No
45-4029	Logging Workers, All Other	39,750	43,074	44,593	Ye	es .	No	No	High school diploma or equivalent		Yes	No	No
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	40,148	67,462	82,153	Ye		Yes	Yes	Some college, no degree		Yes	Yes	Yes
47-2011	Boilermakers	19,870	44,755	54,452	No		No	No	High school diploma or equivalent		No	No	Yes
47-2021	Brickmasons and Blockmasons	29,033	42,035	49,242	No		No	No	High school diploma or equivalent	!	No	No	No
47-2022	Stonemasons	27,847	44,402	55,130	No		No	No	High school diploma or equivalent		No	No	Yes
47-2031 47-2041	Carpenters Carpet Installers	31,200 19,870	43,575 32,470	48,625 35.594	No No		No	No	Postsecondary nondegree award		Yes	No	No
47-2041	Floor Layers, Except Carpet, Wood, and Hard Tiles	19,870 32.251	43,332	35,594 48.873		•	No No	No No	No formal educational credential No formal educational credential		No	Yes Yes	Yes Yes
47-2042	Floor Sanders and Finishers	23,204	45,532 37.591	48,873	No No		No	No No	No formal educational credential		Yes	Yes	Yes
47-2043	Tile and Stone Setters	30.283	43,905	47,134	No		No	No	No formal educational credential		Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	28.954	43,699	49,689	No		No	No	No formal educational credential		Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	33,559	49,618	55.197	No		No	No	High school diploma or equivalent		Yes	Yes	Yes
47-2061	Construction Laborers	28,309	37,491	43,483	No		No	No	No formal educational credential		Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	31,674	41,621	45,438	No		No	No	High school diploma or equivalent		Yes	No	No
47-2072	Pile Driver Operators	33,082	46,198	47,583	No	0	No	No	High school diploma or equivalent		Yes	Yes	No
47-2073	Operating Engineers and Other Construction Equipment Operators	31,187	42,995	47,968	No	0	No	No	High school diploma or equivalent		Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	21,274	37,170	45,930	No		No	No	No formal educational credential		No	Yes	Yes
47-2082	Tapers	27,321	40,094	45,004	No		No	No	No formal educational credential		Yes	Yes	Yes
47-2111	Electricians	36,481	52,143	60,394	Ye		No	No	Postsecondary nondegree award		Yes	Yes	Yes
47-2121	Glaziers	27,321	40,094	45,004	No		No	No	High school diploma or equivalent		No	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	27,971	41,546	46,160	No		No	No	High school diploma or equivalent		No	No	No
47-2132 47-2141	Insulation Workers, Mechanical	34,782 30.144	46,838 40,244	48,748 44,554	Ye No		No No	No No	High school diploma or equivalent		Yes	Yes	No
47-2141	Painters, Construction and Maintenance Paperhangers	28,324	35,327	44,534	No.		No	No	No formal educational credential No formal educational credential		Yes	Yes	Yes Yes
47-2142	Pipelayers	31,793	38,329	44,663	No.		No	No	No formal educational credential No formal educational credential		Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	33,321	48,607	56,630	No		No	No	Postsecondary nondegree award		Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	25,707	39,931	45,185	No		No	No	No formal educational credential		Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	33,674	44,832	52,627	No		No	No	High school diploma or equivalent		Yes	No	No
47-2181	Roofers	30,770	43,678	47,758	No	D	No	No	No formal educational credential		Yes	Yes	Yes
47-2211	Sheet Metal Workers	36,280	50,969	62,507	Ye	es.	No	No	High school diploma or equivalent		Yes	Yes	Yes
47-2221	Structural Iron and Steel Workers	33,865	46,599	54,394	No	0	No	No	High school diploma or equivalent		Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	33,941	41,526	44,717	No		No	No	High school diploma or equivalent		Yes	No	No
47-3011	HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	19,870	32,786	36,454	No	0	No	No	No formal educational credential		No	Yes	Yes
47-3012	HelpersCarpenters	26,705	34,289	39,416	No		No	No	No formal educational credential		Yes	Yes	Yes
47-3013	HelpersElectricians	24,834	34,388	37,266	No		No	No	High school diploma or equivalent		No	No	No
47-3014	HelpersPainters, Paperhangers, Plasterers, and Stucco Masons	25,468	30,044	31,458	No		No	No	No formal educational credential	L .	Yes	No	No
47-3015 47-3016	HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters	30,015	34,247	36,102	No		No	No	High school diploma or equivalent	L-I	No	No	No
47-3016 47-3019	HelpersRoofers Helpers. Construction Trades. All Other	28,544 26,710	34,629 35,346	36,807 39.043	No No		No No	No No	No formal educational credential No formal educational credential	H	Yes	Yes	Yes Yes
47-4011	Construction and Building Inspectors	26,710 45.213	35,346 63.255	76.988	Ye	•	Yes	No Yes	Postsecondary nondegree award	-	Yes	Yes	Yes
47-4011	Elevator and Escalator Installers and Repairers	45,213	80.827	98.414	Ye		Yes	Yes	Postsecondary nondegree award Postsecondary nondegree award		Yes	Yes	Yes
47-4021	Fence Erectors	27,808	38,307	44,450	No.		No	No.	No formal educational credential		Yes	Yes	Yes
47-4031	Hazardous Materials Removal Workers	31,290	42,004	46,098	No		No	No	High school diploma or equivalent		Yes	No	No
47-4051	Highway Maintenance Workers	27,725	35,147	37,385	No		No	No	High school diploma or equivalent		No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	43,055	52,388	59,476	Ye		No	No	High school diploma or equivalent		Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	24,478	47,748	57,140	No	D	No	No	High school diploma or equivalent		No	Yes	Yes
47-4090	Miscellaneous Construction and Related Workers	30,350	41,154	45,042	No	0	No	No	High school diploma or equivalent		Yes	No	No
47-5011	Derrick Operators, Oil and Gas												
47-5012	Rotary Drill Operators, Oil and Gas	39,110	51,576	53,897	Ye		No	No	No formal educational credential		Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	35,661	51,872	59,648	Ye		No	No	No formal educational credential		Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	31,649	43,771	49,704	No		No	No	High school diploma or equivalent	L	Yes	No	No
47-5023 47-5032	Earth Drillers, Except Oil and Gas	33,292	47,201	49,064	No.		No	No	High school diploma or equivalent	-	Yes	Yes	No
	Explosives Workers, Ordnance Handling Experts, and Blasters	50,783	67,701	78,028	Ye		Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
47-5041	Continuous Mining Machine Operators	26,232	38,450	42,539	No	υ	No	No	No formal educational credential		Yes	Yes	Yes

Wages - Workforce Re May 2022	• ·	Annual W	/ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All Oc	cupation Metric		Wage Mee	ts or Exceeds Educa	tional Level Metric
,			Average Annual	High-Level Wage	Representative	Average Annua			Representative	Average Annu	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
									ļ ļ		
47-5043	Roof Bolters, Mining								.		
47-5044	Loading and Moving Machine Operators, Underground Mining	34,247	38,775	42,998	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5049 47-5051	Underground Mining Machine Operators, All Other	34,247 35,250	38,775 63.947	42,998 85,298	Yes	No Yes	No Yes	No formal educational credential No formal educational credential	Yes Yes	Yes	Yes Yes
47-5051	Rock Splitters, Quarry Roustabouts, Oil and Gas	32,680	47.258	58,298 58,406	Yes No	No Yes	No No	No formal educational credential	Yes	Yes	Yes
47-5071	HelpersExtraction Workers	28,076	33,550	36,807	No	No	No	High school diploma or equivalent	No	No	No
47-5099	Extraction Workers, All Other	26,557	42.826	41.861	No	No	No	High school diploma or equivalent	No	No	No
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	43,857	67,560	84,241	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	32,329	43,409	56,332	No	No	No	Postsecondary nondegree award	Yes	No	Yes
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	36,473	56,095	68,724	Yes	Yes	Yes	Associate's degree	No	No	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	29,485	55,047	71,596	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2091	Avionics Technicians	48,245	71,055	78,028	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	29,413	43,590	48,729	No	No	No	High school diploma or equivalent	No	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	38,288	53,745	60,776	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	65,020	70,401	75,754	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	38,154	73,032	94,507	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	31,725	42,377	46,408	No	No	No	Postsecondary nondegree award	Yes	No	No
49-2097 49-2098	Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers	36,502 31,824	45,013 44,908	48,299 50,133	Yes No	No No	No No	Postsecondary nondegree award	Yes Yes	No No	No No
49-3011	Aircraft Mechanics and Service Technicians	36,914	44,908 61.090	74.818	Yes	Yes	Yes	Postsecondary nondegree award	No No	Yes	Yes
49-3021	Automotive Body and Related Repairers	36,342	53,332	47,256	Yes	No	No No	Associate's degree Postsecondary nondegree award	Yes	Yes	No No
49-3021	Automotive Body and Related Repairers Automotive Glass Installers and Repairers	32,031	44.201	52,359	No.	No	No No	High school diploma or equivalent	Yes	No No	No No
49-3023	Automotive Glass installers and Repairers Automotive Service Technicians and Mechanics	29,413	46,763	59,242	No	No	No	Postsecondary nondegree award	No	No	Yes
49-3023	Bus and Truck Mechanics and Diesel Engine Specialists	35,632	53.324	62.410	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	29.547	45.481	47,306	No	No	No	High school diploma or equivalent	No	No	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	40,438	56,396	70,990	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	35,776	51,366	57,117	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	29,561	47,866	58,688	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3052	Motorcycle Mechanics	28,477	43,943	56,372	No	No	No	High school diploma or equivalent	No	No	Yes
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	29,255	40,207	44,714	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	22,411	34,935	41,727	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	33,665	51,550	67,392	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	27,176	32,060	35,107	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	29,805	43,982	51,930	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	29,703	41,990	48,196	No	No	No	Postsecondary nondegree award	No	No	No
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	36,304	48,898	59,093	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	26,471	40,867	47,440	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	37,295	59,485	70,990	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	37,536	59,965	66,373	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9044	Millwrights	39,004	53,448	63,097	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9045 49-9051	Refractory Materials Repairers, Except Brickmasons	42.522	50.000	00.040				1	1 1		
49-9052	Electrical Power-Line Installers and Repairers Telecommunications Line Installers and Repairers	42,523 33,283	68,893 53,955	80,849	Yes	Yes No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	33,283	51,098	69,451 57,002	No Yes	No	Yes No	Postsecondary nondegree award Associate's degree	Yes No	Yes No	Yes No
49-9062	Medical Equipment Repairers	35,927	57,138	75,184	Yes	Yes	Yes	Associate's degree	No	No	Yes
49-9063	Musical Instrument Repairers and Tuners	27,254	40,122	49,226	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	23,663	28,152	27,465	No	No	No	High school diploma or equivalent	No	No	No
49-9069	Precision Instrument and Equipment Repairers, All Other	38,756	55,130	63.087	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	28.881	40,339	46,698	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	,	,	,					1 1		
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	27,699	37,588	41,316	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	37,782	50,888	54,509	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	29,614	42,252	52,694	No	No	No	High school diploma or equivalent	No	No	No
49-9095	Manufactured Building and Mobile Home Installers	20,883	29,528	37,361	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	31,802	49,436	57,403	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	45,157	60,508	68,322	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	HelpersInstallation, Maintenance, and Repair Workers	28,310	35,886	37,055	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	28,573	43,365	47,557	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	38,263	63,027	78,770	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	31,591	44,966	53,353	No	No	No	Postsecondary nondegree award	Yes	No	No
51-2021	Coil Winders, Tapers, and Finishers	31,754	43,485	46,332	No	No	No	High school diploma or equivalent	Yes	No	No
	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders,										
51-2028	Tapers, and Finishers	26,754	35,899	40,372	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	32,165	41,526	46,102	No	No	No	High school diploma or equivalent	Yes	No	No
51-2041	Structural Metal Fabricators and Fitters	29,184	41,622	47,067	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	28,210	36,129	38,737	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters				1			1,01 1 101	1		
51-2090	Miscellaneous Assemblers and Fabricators	26,631	40,276	45,783	No No	No No	No	High school diploma or equivalent	No No	No	No No
51-3011	Bakers Butchers and Most Cuttors	26,569	32,828	37,484	No No	No	No	High school diploma or equivalent	No	No	No
51-3021 51-3022	Butchers and Meat Cutters	28,424	39,971	44,783	No	No	No	No formal educational credential	Yes	Yes	Yes
	Meat, Poultry, and Fish Cutters and Trimmers	24,874	32,983	39,292	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023 51-3091	Slaughterers and Meat Packers	25,430 23,777	26,739	27,751 34.753	No No	No	No No	No formal educational credential	Yes	No	No
	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders Food Batchmakers	23,777	35,393 31,802	34,753 36,301		No		No formal educational credential	Yes	Yes	Yes
		/1./5/	31.802	36.301	No	No	No	High school diploma or equivalent	No	No	No
51-3092							No	High school diploma an activate to	No	No	No
51-3092 51-3093	Food Cooking Machine Operators and Tenders	23,987	30,588	33,875	No	No	No No	High school diploma or equivalent	No Ves	No Vec	No Vos
51-3092							No No	High school diploma or equivalent No formal educational credential	No Yes	No Yes	No Yes

Wages - Workforce Re May 2022	egion 2	Annual M	ages (\$) by Occupat	ion	Wage Moet	or Evenade All C	Occupation Metric		Wage Me	ets or Evenods Educ	ational Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu			Representative		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
						•		·		•	
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	28,993	38,298	43,743	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	29,308	40,055	43,265	No	No	No	High school diploma or equivalent	No	No	No
	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and										
51-4031	Plastic	27,207	36,788	42,128	No	No	No	High school diploma or equivalent	No	No	No
F4 4000	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and										
51-4032	Plastic	28,812	53,764	79,872	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	24.010	32.594	24.725	No	No	No	High seheral distance as assistance	N-	N-	N-
31-4033	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and	24,818	32,594	34,725	NO	NO	NO	High school diploma or equivalent	No	No	No
51-4034	Plastic	26.691	37.199	45.701	No	No	No	High school diploma or equivalent	No.	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	30,130	40,285	44,115	No	No	No	Postsecondary nondegree award	No	No	No
51-4041	Machinists	36,820	52,201	62,112	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	37,409	47,698	48,586	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-4052	Pourers and Casters, Metal										
51-4061	Model Makers, Metal and Plastic	31,582	49,742	57,891	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic										
51-4071	Foundry Mold and Coremakers	22,239	38,412	52,522	No	No	No	High school diploma or equivalent	No	No	No
	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders,										
51-4072	Metal and Plastic	24,129	36,557	38,425	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	29,805	36,368	36,788	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	49,491	67,194	77,482	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	33,280	47,345	54,582	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	28,420	36,005	39,157	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	23,844	38,957	45,281	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	32,442	45,644	50,296	No	No	No	High school diploma or equivalent	Yes	No	No
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	28,745	38,460	42,864	No	No	No	High school diploma or equivalent	No	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	26,309	35,202	37,161	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	27,961	37,323	43,781	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	30,350	43,112	47,115	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	24,016	32,772	36,774	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	25,860	37,361	44,201	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	22,360	28,489	31,200	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	22,774	27,360	28,181	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	20,800	27,439	31,732	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	22,507	31,505	35,565	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders										
51-6051	Sewers, Hand	21,064	28,468	29,022	No	No	No	No formal educational credential	No	No	No
51-6052	Tailors, Dressmakers, and Custom Sewers	27,321	33,798	35,527	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	22,048	26,404	26,987	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	26,509	31,697	34,782	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	26,366	30,321	33,015	No	No	No	High school diploma or equivalent	No	No	No
	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and										
51-6064	Tenders	22,230	32,088	36,473	No	No	No	High school diploma or equivalent	No	No	No
	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and										
51-6091	Glass Fibers	32,279	56,238	79,986	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	25,802	48,271	74,589	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6093	Upholsterers	26,805	36,320	40,972	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	26,137	32,642	36,406	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	32,215	42,754	47,249	No	No	No	High school diploma or equivalent	Yes	No	No
51-7021	Furniture Finishers	29,385	43,724	51,395	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	24,990	33,120	36,416	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	24,904	32,891	36,817	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	26,309	31,152	31,486	No	No	No	High school diploma or equivalent	No	No	No
51-8011	Nuclear Power Reactor Operators	46,379	73,175	92,644	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	51,270	84,792	99,083	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	46,379	73,175	92,644	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	46,083	60,183	65,074	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	32,986	48,942	58,876	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	39,969	59,209	64,100	Yes	Yes	Yes	Associate's degree	No	Yes	No
51-8092	Gas Plant Operators	33,024	49,790	60,202	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	46,312	60,107	75,735	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	38,536	55,321	62,017	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	28,515	44,583	54,069	No	No	No	High school diploma or equivalent	No	No	Yes
F4 0040	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,							1	1 1		
51-9012	Operators, and Tenders	29,940	43,495	52,731	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	26,930	39,664	44,908	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	27,207	33,980	36,951	No	No	No	No formal educational credential	Yes	Yes	Yes
	Mixing and Blending Machine Setters, Operators, and Tenders	26,863	37,648	42,816	No	No	No	High school diploma or equivalent	No	No	No
51-9023		20,969	34,066	38,269	No	No	No	No formal educational credential	No	Yes	Yes
51-9031	Cutters and Trimmers, Hand			42,434	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutting and Slicing Machine Setters, Operators, and Tenders	27,350	37,065	,							
51-9031 51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and										
51-9031 51-9032 51-9041	Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	26,481	36,511	43,160	No	No	No	High school diploma or equivalent	No	No	No
51-9031 51-9032 51-9041 51-9051	Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	26,481 29,299	36,511 37,524	43,160 42,119	No No	No	No	High school diploma or equivalent High school diploma or equivalent	No	No No	No No
51-9031 51-9032 51-9041 51-9051 51-9061	Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders Inspectors, Testers, Sorters, Samplers, and Weighers	26,481 29,299 29,915	36,511 37,524 49,449	43,160 42,119 59,516	No No No	No No	No No	High school diploma or equivalent High school diploma or equivalent Postsecondary nondegree award	No No	No No Yes	No No Yes
51-9031 51-9032 51-9041 51-9051	Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	26,481 29,299	36,511 37,524	43,160 42,119	No No	No	No	High school diploma or equivalent High school diploma or equivalent	No	No No	No No

Wages - Workforce Region 2

May 2022	egion 2	Annual \	Wages (\$) by Occupa	ition	Wage Me	ets or Exceeds All Oc	cupation Metric	1	Wage Meets	or Exceeds Education	nal Level Metric
,		Representative	Average Annual	High-Level Wage	Representative	Average Annual			Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-9082 51-9083	Medical Appliance Technicians	28,394	34,116	34,884	No	No	No	Postsecondary nondegree award	No	No	No
51-9083	Ophthalmic Laboratory Technicians	27,178 22,058	32,852 34,218	34,467 38,393	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
51-9111	Packaging and Filling Machine Operators and Tenders	22,058	34,218 34.314	38,393 40,571	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
51-9123	Painting, Coating, and Decorating Workers Coating, Painting, and Spraying Machine Setters, Operators, and Tenders		- ,-					High school diploma or equivalent	4 4 -		
51-9124	Semiconductor Processing Technicians	32,309 36,377	45,252 45,777	51,493 48,548	No Yes	No No	No No	High school diploma or equivalent High school diploma or equivalent	Yes Yes	No No	No No
51-9151	Photographic Process Workers and Processing Machine Operators	22.363	33,817	36,416	No	No	No No	High school diploma or equivalent	No No	No	No
51-9161	Computer Numerically Controlled Tool Operators	29,299	41,431	46,895	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	34.556	66,425	87,011	Yes	Yes	Yes	Associate's degree	No.	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	22,230	32.088	36,473	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	24.895	34,448	45,157	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	26,376	43,714	46,561	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	27,923	33,301	36,702	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	27,780	36,788	40,886	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	27,875	42,491	50,057	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders								i i		
51-9198	HelpersProduction Workers	26,568	31,898	35,052	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	26,000	34,722	36,657	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	36,167	54,538	59,495	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
	First-Line Supervisors of Transportation and Material Moving Workers, Except										
53-1047	Aircraft Cargo Handling Supervisors	36,379	52,303	61,666	Yes	No	No	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	85,363	147,742	164,112	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
53-2012	Commercial Pilots	67,052	138,627	149,304	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	53,484	89,250	109,491	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	32,324	37,249	39,264	No	No	No	Some college, no degree	Yes	No	No
53-2031	Flight Attendants	33,636	66,182	75,573	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	24,599	29,289	31,095	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	20,800	31,259	38,637	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	29,377	44,113	48,369	No	No	No	Postsecondary nondegree award	No	No	No
53-3033	Light Truck Drivers	27,133	45,522	52,617	No	No	No	High school diploma or equivalent	No	No	No
53-3051	Bus Drivers, School	28,993	38,617	45,745	No	No	No	High school diploma or equivalent	No	No	No
53-3052 53-3053	Bus Drivers, Transit and Intercity	27,914	39,893	50,105	No	No	No	High school diploma or equivalent	No	No	No
53-3054	Shuttle Drivers and Chauffeurs Taxi Drivers	23,189 19,937	30,755 30,273	30,952 30,512	No No	No No	No No	High school diploma or equivalent No formal educational credential	No No	No No	No No
53-3054	Motor Vehicle Operators, All Other	19,937	30,273 42,605	30,512 57,574	No No	No No	No No		No No	No No	Yes
53-4011	Locomotive Engineers	25,843 54.060	65.667	70.940	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4011	Rail Yard Engineers, Dinkey Operators, and Hostlers	30,760	51.567	70,940 49.675	No No	No.	nes No	High school diploma or equivalent High school diploma or equivalent	Yes	Yes	No.
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	37,380	56,525	59,123	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	60,537	68,332	70,988	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	27,914	39,893	50,105	No	No	No	High school diploma or equivalent	No	No	No
53-4099	Rail Transportation Workers, All Other	39,415	40,074	39,425	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-5011	Sailors and Marine Oilers	27,818	43,504	47,994	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	33,537	59,175	78,111	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	32,200	48,389	62,337	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-5031	Ship Engineers	69,325	93,895	104,499	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	23,003	30,607	34,753	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	20,800	27,007	31,200	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	25,647	31,233	36,023	No	No	No	No formal educational credential	Yes	No	Yes
53-6032	Aircraft Service Attendants	28,468	35,317	35,690	No	No	No	High school diploma or equivalent	No	No	No
53-6041	Traffic Technicians	29,270	45,424	52,092	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	38,403	81,687	103,057	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	20,329	31,133	36,387	No	No	No	High school diploma or equivalent	No	No	No
53-6099	Transportation Workers, All Other	19,870	29,366	31,114	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	28,219	33,082	34,209	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7021	Crane and Tower Operators	35,574	51,394	61,796	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	34,113	45,214	47,086	No	No	No	High school diploma or equivalent	Yes	No	No
53-7041	Hoist and Winch Operators	30,818	48,290	49,484	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	29,198	36,478	38,471	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	22,624	30,910	34,838	No	No	No	No formal educational credential	No	No	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	25,393	33,255	36,053	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	27,742	35,900	38,794	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7064	Packers and Packagers, Hand	23,339	25,275	26,091	No	No	No	No formal educational credential	Yes	No	No
53-7065	Stockers and Order Fillers	25,095	32,812	36,601	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators							- I	L		
53-7072	Pump Operators, Except Wellhead Pumpers	31,353	44,096	49,503	No	No	No	High school diploma or equivalent	Yes	No	No
53-7073	Wellhead Pumpers							1	I I		
53-7081	Refuse and Recyclable Material Collectors	27,155	41,287	49,267	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	41,421	57,728	58,617	Yes	Yes	No	No formal educational credential	Yes	Yes	Yes
53-7199	Material Moving Workers, All Other	26,968	36,301	38,001	No	No	No	No formal educational credential	Yes	Yes	Yes

 $[\]ensuremath{^{*}}$ indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

Summary - Workforce Region 2

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	34,246	55,411	63,390	809
No formal educational credential	23,129	31,342	34,209	82
High school diploma or equivalent	30,279	45,932	53,052	227
Some college, no degree	28,768	43,214	49,544	49
Postsecondary nondegree award	30,870	46,976	54,025	88
Associate's degree	41,569	58,839	66,796	67
Bachelor's degree	49,059	89,598	104,973	183
Master's degree	55,641	84,346	96,686	43
Doctoral or professional degree	65,831	149,060	151,746	70

	Representative	Starting Wage	Average Ar	nual Wage	High-Level Wa	age Threshold
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric
All Occupations	503	306	499	310	490	319
No formal educational credential	36.59%	63.41%	35.37%	64.63%	32.93%	67.07%
High school diploma or equivalent	72.25%	27.75%	81.06%	18.94%	81.50%	18.50%
Some college, no degree	30.61%	69.39%	32.65%	67.35%	38.78%	61.22%
Postsecondary nondegree award	42.05%	57.95%	42.05%	57.95%	40.91%	59.09%
Associate's degree	68.66%	31.34%	53.73%	46.27%	47.76%	52.24%
Bachelor's degree	66.12%	33.88%	66.67%	33.33%	66.67%	33.33%
Master's degree	76.74%	23.26%	65.12%	34.88%	60.47%	39.53%
Doctoral or professional degree	81.43%	18.57%	67.14%	32.86%	61.43%	38.57%

Wages - Workforce Re	egion 3											
May 2022			Vages (\$) by Occupat Average Annual	High-Level Wage	Wage Mee Representative	ts or Exceeds All C Average Annu	Occupation Metric al High-Level Wage		Re	Wage Meets epresentative	or Exceeds Educa Average Annu	tional Level Metric al High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		arting Wage	Wage	Threshold
								·				
11-1011	Chief Executives	27,042	159,747	213,947	No	Yes	Yes	Bachelor's degree	N		Yes	Yes
11-1021	General and Operations Managers	37,374	95,883	115,955	Yes	Yes	Yes	Bachelor's degree	N		Yes	Yes
11-1031	Legislators Advertising and Promotions Managers	32,987 48.806	97,555 105.348	121,140 127,170	Yes Yes	Yes Yes	Yes Yes	Bachelor's degree Bachelor's degree	No Ye		Yes Yes	Yes Yes
11-2021	Marketing Managers	62,735	138,756	172,723	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
11-2022	Sales Managers	55,118	128,575	156,185	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
11-2032	Public Relations Managers	55,320	104,834	121,776	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
11-2033	Fundraising Managers	59,822	113,645	138,370	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
11-3012	Administrative Services Managers	47,631	81,920	101,416	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
11-3013 11-3021	Facilities Managers Computer and Information Systems Managers	47,156 80,945	92,269 114,661	109,537	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
11-3021	Financial Managers	80,945 62,598	121,730	111,922 151,514	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	Ye Ye		Yes	Yes Yes
11-3051	Industrial Production Managers	64,360	109.125	128.661	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
11-3061	Purchasing Managers	69,020	123,724	150,204	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	80,056	108,661	95,897	Yes	Yes	Yes	Bachelor's degree	Υe		Yes	Yes
11-3111	Compensation and Benefits Managers	67,182	112,001	140,272	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
11-3121	Human Resources Managers	51,474	78,688	95,971	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
11-3131 11-9013	Training and Development Managers	57,360	105,909	125,920	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers Construction Managers	22,207 43.754	81,607 106.476	114,013 129,681	No Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	No Ye		Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	34,000	52,836	53,785	Yes	Yes	No	Bachelor's degree	No.		No	No
11-9032	Education Administrators, Kindergarten through Secondary	59,790	80,959	98,144	Yes	Yes	Yes	Master's degree	Ye		Yes	Yes
11-9033	Education Administrators, Postsecondary	55,862	93,138	95,692	Yes	Yes	Yes	Master's degree	Ye		Yes	Yes
11-9039	Education Administrators, All Other	45,767	64,190	77,713	Yes	Yes	Yes	Master's degree	N		No	No
11-9041	Architectural and Engineering Managers	97,968	131,367	162,164	Yes	Yes	Yes	Bachelor's degree	Υe	es .	Yes	Yes
11-9051	Food Service Managers	34,923	52,194	48,610	Yes	Yes	No	Some college, no degree	Ye	25	Yes	Yes
11-9071	Gambling Managers								11.			
11-9072 11-9081	Entertainment and Recreation Managers, Except Gambling Lodging Managers	36,917 35,750	76,223 79,338	90,446 97,575	Yes Yes	Yes Yes	Yes Yes	Bachelor's degree Bachelor's degree	No.		Yes Yes	Yes Yes
11-9111	Medical and Health Services Managers	57.016	101.288	121.372	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
11-9121	Natural Sciences Managers	44.541	78.399	106.122	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
11-9131	Postmasters and Mail Superintendents	76,274	84,549	92,893	Yes	Yes	Yes	High school diploma or equivalent	Ye		Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	38,778	65,241	88,587	Yes	Yes	Yes	Bachelor's degree	N		No	Yes
11-9151	Social and Community Service Managers	37,881	63,950	77,950	Yes	Yes	Yes	Bachelor's degree	N	D	No	No
11-9161	Emergency Management Directors	46,031	82,682	98,816	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
11-9171	Funeral Home Managers	43,018	74,339	75,322	Yes	Yes	Yes	Associate's degree	Ye		Yes	Yes
11-9179 11-9199	Personal Service Managers, All Other	44,056	72,006	86,679 97,094	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
13-1011	Managers, All Other Agents and Business Managers of Artists, Performers, and Athletes	57,200 27,555	90,532 88,388	97,094 144,002	Yes No	Yes	Yes Yes	Bachelor's degree Bachelor's degree	Ye No		Yes	Yes Yes
13-1011	Buyers and Purchasing Agents	32.297	61,560	75,074	Yes	Yes	Yes	Bachelor's degree	N.		No.	No Yes
13-1020	Claims Adjusters, Examiners, and Investigators	36,109	68,728	91,696	Yes	Yes	Yes	Some college, no degree	Ye		Yes	Yes
13-1032	Insurance Appraisers, Auto Damage			,								
13-1041	Compliance Officers	29,910	51,777	61,090	No	Yes	Yes	Bachelor's degree	N	D	No	No
13-1051	Cost Estimators	39,565	77,679	99,776	Yes	Yes	Yes	Bachelor's degree	N		Yes	Yes
13-1071	Human Resources Specialists	31,709	56,091	64,476	No	Yes	Yes	Bachelor's degree	N	D	No	No
13-1074	Farm Labor Contractors	27.004	74.675	04.750					1 1			
13-1075 13-1081	Labor Relations Specialists Logisticians	37,661 27,040	71,675 39,166	91,750 33,114	Yes No	Yes No	Yes No	Bachelor's degree Bachelor's degree	No.		Yes No	Yes No
13-1082	Project Management Specialists	41.752	91.090	104.581	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
13-1111	Management Analysts	40,290	63,581	68,009	Yes	Yes	Yes	Bachelor's degree	No.		No	No
13-1121	Meeting, Convention, and Event Planners	29,429	50,837	61,164	No	Yes	Yes	Bachelor's degree	No.		No	No
13-1131	Fundraisers	20,800	45,061	49,877	No	No	No	Bachelor's degree	N		No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	36,549	64,462	73,907	Yes	Yes	Yes	Bachelor's degree	N		No	No
13-1151	Training and Development Specialists	29,640	47,546	53,768	No	No	No	Bachelor's degree	N		No	No
13-1161 13-1199	Market Research Analysts and Marketing Specialists	33,736	72,757	99,558	Yes	Yes	Yes	Bachelor's degree	No.		Yes	Yes
13-1199	Business Operations Specialists, All Other Accountants and Auditors	34,635 36,423	65,700 69,219	81,994 80.398	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	No.		No No	No No
13-2020	Property Appraisers and Assessors	37,804	56,385	58,376	Yes	Yes	Yes	Bachelor's degree	N.		No	No No
13-2031	Budget Analysts	29,926	47,829	69,909	No	No	Yes	Bachelor's degree	N.		No	No
13-2041	Credit Analysts	46,132	78,318	92,439	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
13-2051	Financial and Investment Analysts	47,593	83,803	93,340	Yes	Yes	Yes	Bachelor's degree	Ye	es .	Yes	Yes
13-2052	Personal Financial Advisors	34,179	110,953	130,606	Yes	Yes	Yes	Bachelor's degree	N		Yes	Yes
13-2053	Insurance Underwriters	42,935	66,658	78,501	Yes	Yes	Yes	Bachelor's degree	Ye		No	No
13-2054	Financial Risk Specialists	49,982	101,039	117,476	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
13-2061 13-2071	Financial Examiners Credit Counselors	41,042 31,331	72,153 45.168	88,452 45,462	Yes No	Yes No	Yes No	Bachelor's degree	Ye Ne		Yes No	Yes No
13-2071	Loan Officers	31,331	45,168 62,082	45,462 79,562	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	No.		No No	No No
13-2072	Tax Examiners and Collectors, and Revenue Agents	28,954	38,460	42,318	No No	No	No	Bachelor's degree	N		No	No
13-2082	Tax Preparers	21,592	43,009	58,306	No	No	Yes	Postsecondary nondegree award	N-		Yes	Yes
13-2099	Financial Specialists, All Other	35,028	74,519	87,298	Yes	Yes	Yes	Bachelor's degree	N		Yes	Yes
15-1211	Computer Systems Analysts	40,997	74,834	92,971	Yes	Yes	Yes	Bachelor's degree	Υe		Yes	Yes
15-1212	Information Security Analysts	58,536	102,785	123,164	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
15-1221	Computer and Information Research Scientists	72,750	121,207	162,984	Yes	Yes	Yes	Master's degree	Ye		Yes	Yes
15-1231 15-1232	Computer Network Support Specialists Computer User Support Specialists	37,245	54,528	63,141	Yes	Yes	Yes	Associate's degree	Ye		Yes	Yes
15-1232 15-1241	Computer User Support Specialists Computer Network Architects	30,639 59,437	56,670 106,129	61,059 127,326	No Yes	Yes	Yes Yes	Postsecondary nondegree award Bachelor's degree	Ye Ye		Yes	Yes Yes
											Yes	Yes
15-1242	Database Administrators	46.408	92.118	117.908	Yes	Yes	Yes	Bachelor's degree	Ye			

May 2022 Occupational Code	Region 3	Annual M	ages (\$) by Occupat	ion	Waga Maat	s or Evenode All O	Occupation Metric	1		Wage Moets	or Exceeds Educatio	and Lovel Matric
Occupational Code			Average Annual	High-Level Wage	Representative	Average Annu			1 1	Representative	Average Annual	High-Level Wage
	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
15-1244	Network and Computer Systems Administrators	47,972	78,968	87,233	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1251 15-1252	Computer Programmers	44,644 56.184	85,741	99,689 124.138	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1252 15-1253	Software Developers Software Quality Assurance Analysts and Testers	56,184 44.139	104,099 82.443	99.018	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
15-1253	Web Developers	44,139	74.532	99,018 87.689	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1255	Web and Digital Interface Designers	40,271	78,410	89.279	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1299	Computer Occupations, All Other	39,674	74,273	85,762	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
15-2011	Actuaries	65,225	115.161	124,138	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
15-2021	Mathematicians		,	,						1		
15-2031	Operations Research Analysts	36,044	74,009	93,919	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
15-2041	Statisticians	37,413	77,013	93,285	Yes	Yes	Yes	Master's degree		No	Yes	Yes
15-2051	Data Scientists	48,604	92,596	117,431	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2099	Mathematical Science Occupations, All Other									,		
17-1011	Architects, Except Landscape and Naval	35,355	82,645	95,159	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
17-1012	Landscape Architects	35,135	61,522	70,655	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1021	Cartographers and Photogrammetrists	40,656	63,240	74,376	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-1022	Surveyors	28,439	52,942	63,626	No	Yes	Yes	Bachelor's degree		No	No	No
17-2011 17-2021	Aerospace Engineers	71,059	106,451	123,890	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2021	Agricultural Engineers	51.510	00.775	442.700		.,		1	\rightarrow	Lu		
17-2031	Bioengineers and Biomedical Engineers	54,640	90,776	113,709 123,338	Yes	Yes	Yes	Bachelor's degree	\rightarrow	Yes	Yes	Yes
17-2041	Chemical Engineers Civil Engineers	61,908 48,809	100,268 102,797	125,885	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	+	Yes	Yes	Yes Yes
17-2051	Computer Hardware Engineers	48,809 61.476	102,797	125,885	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	-	Yes	Yes	Yes
17-2001	Electrical Engineers	56.827	92.476	127,813	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	+	Yes	Yes	Yes
17-2071	Electronics Engineers, Except Computer	71,013	97,723	113,498	Yes	Yes	Yes	Bachelor's degree	+	Yes	Yes	Yes
17-2081	Environmental Engineers	32,727	78.198	97.511	Yes	Yes	Yes	Bachelor's degree	-	No	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	46.004	78,327	95,968	Yes	Yes	Yes	Bachelor's degree	+	Yes	Yes	Yes
17-2112	Industrial Engineers	57.461	90.354	111.523	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	47,345	71,675	84,290	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
17-2131	Materials Engineers	52,224	85,346	104,558	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2141	Mechanical Engineers	49,300	85,152	106,757	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers											
17-2161	Nuclear Engineers									1		
17-2171	Petroleum Engineers									,		
17-2199	Engineers, All Other	44,346	62,600	70,221	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-3011	Architectural and Civil Drafters	40,745	55,638	63,238	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters	42,503	53,832	63,286	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3013	Mechanical Drafters	32,488	52,536	63,736	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3019	Drafters, All Other	33,591	50,956	57,939	Yes	Yes	Yes	Associate's degree		No	No	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	33,389	71,794	98,164	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3022 17-3023	Civil Engineering Technologists and Technicians	32,196	59,658	76,819	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians Electro-Mechanical and Mechatronics Technologists and Technicians	38,515	64,025	86,070	Yes Yes	Yes	Yes	Associate's degree	\rightarrow	Yes	Yes	Yes
17-3024	Environmental Engineering Technologists and Technicians	42,237 28.841	65,399 42.457	73,871 47,988	No	Yes No	Yes No	Associate's degree Associate's degree	+	Yes No	Yes No	Yes No
17-3025	Industrial Engineering Technologists and Technicians	36,384	55,339	61,807	Yes	Yes	Yes	Associate's degree	\rightarrow	Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	36,026	54,980	61,394	Yes	Yes	Yes	Associate's degree	\rightarrow	Yes	Yes	Yes
17-3028	Calibration Technologists and Technicians	35,925	58,352	74,073	Yes	Yes	Yes	Associate's degree	-	Yes	Yes	Yes
17-3029	Engineering Technologists and Technicians, Except Drafters, All Other	29,578	42,122	44,834	No	No	No	Associate's degree	-	No	No	No
17-3031	Surveying and Mapping Technicians	28.894	47,374	60,427	No	No	Yes	Associate's degree		No	No	No
19-1011	Animal Scientists	.,								i		
19-1012	Food Scientists and Technologists	36,458	72,391	99,725	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
19-1013	Soil and Plant Scientists	36,614	76,306	95,168	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
19-1021	Biochemists and Biophysicists	36,843	80,688	101,692	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-1022	Microbiologists	33,453	55,017	67,393	Yes	Yes	Yes	Master's degree		No	No	No
19-1023	Zoologists and Wildlife Biologists	31,037	49,275	53,143	No	Yes	No	Master's degree		No	No	No
19-1029	Biological Scientists, All Other	38,222	57,213	66,906	Yes	Yes	Yes	Bachelor's degree	\perp	No	No	No
19-1031	Conservation Scientists	34,070	59,267	81,994	Yes	Yes	Yes	Bachelor's degree	\perp	No	No	No
19-1032	Foresters	36,296	58,610	67,795	Yes	Yes	Yes	Bachelor's degree	\perp	No	No	No
19-1041	Epidemiologists	53,180	80,036	94,185	Yes	Yes	Yes	Doctoral or professional degree	\perp	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	50,680	91,098	114,307	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-1099 19-2011	Life Scientists, All Other Astronomers	51,829	79,595	85,062	Yes	Yes	Yes	Bachelor's degree	+	Yes	Yes	Yes
19-2011 19-2012	Astronomers Physicists	71,574 71.574	146,400 146,400	205,368 205,368	Yes Yes	Yes	Yes Yes	Doctoral or professional degree	\rightarrow	Yes	Yes	Yes Yes
19-2012	Atmospheric and Space Scientists	71,574 57.516	146,400 77.132	205,368 83.095		Yes	Yes Yes	Doctoral or professional degree	+		Yes	Yes
19-2021	Chemists	36,485	77,132 68.257	83,095 82,719	Yes Yes	Yes	Yes	Bachelor's degree Bachelor's degree	+	Yes	Yes No	Yes
19-2032	Materials Scientists	63,277	106,717	124,845	Yes	Yes	Yes	Bachelor's degree	+	Yes	Yes	Yes
	Environmental Scientists and Specialists, Including Health	39,000	54,638	64,919	Yes	Yes	Yes	Bachelor's degree	+	No	No	No
19-2041	Geoscientists, Except Hydrologists and Geographers	44,322	84,703	102.050	Yes	Yes	Yes	Bachelor's degree	+	Yes	Yes	Yes
19-2041	Hydrologists	39,820	62,671	74,744	Yes	Yes	Yes	Bachelor's degree		No	No	No
		41,584	99,229	122,943	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-2041 19-2042	Physical Scientists, All Other			107,765	Yes	Yes	Yes	Master's degree	-	Yes	Yes	Yes
19-2041 19-2042 19-2043		55,660	88,397									
19-2041 19-2042 19-2043 19-2099	Physical Scientists, All Other		88,397 92,596	117,431	Yes	Yes	Yes			Yes	Yes	Yes
19-2041 19-2042 19-2043 19-2099 19-3011	Physical Scientists, All Other Economists Survey Researchers	55,660 48,604	92,596	117,431	Yes	Yes	Yes Yes	Master's degree Doctoral or professional degree		Yes		Yes Yes
19-2041 19-2042 19-2043 19-2099 19-3011 19-3022	Physical Scientists, All Other Economists	55,660			Yes Yes	Yes Yes	Yes	Master's degree		Yes Yes	No	Yes
19-2041 19-2042 19-2043 19-2099 19-3011 19-3022 19-3032	Physical Scientists, All Other Economists Survey Researchers Industrial-Organizational Psychologists	55,660 48,604 68,386	92,596 117,688	117,431 142,412	Yes	Yes		Master's degree Doctoral or professional degree Doctoral or professional degree		Yes		
19-2041 19-2042 19-2043 19-2099 19-3011 19-3022 19-3032 19-3034 19-3034	Physical Scientists, All Other Economists Survey Researchers Industrial-Organizational Psychologists Clinical and Counseling Psychologists	55,660 48,604 68,386 34,335 41,980 45,250	92,596 117,688 86,587 68,257 92,403	117,431 142,412 113,912 75,120 110,843	Yes Yes Yes Yes Yes Yes	Yes Yes Yes	Yes Yes	Master's degree Doctoral or professional degree		Yes Yes No	No No	Yes No
19-2041 19-2042 19-2043 19-2099 19-3011 19-3022 19-3032 19-3033 19-3034	Physical Scientists, All Other Economists Survey Researchers Industrial-Organizational Psychologists Clinical and Counseling Psychologists School Psychologists	55,660 48,604 68,386 34,335 41,980	92,596 117,688 86,587 68,257	117,431 142,412 113,912 75,120	Yes Yes Yes Yes	Yes Yes Yes Yes	Yes Yes Yes	Master's degree Doctoral or professional degree Doctoral or professional degree Doctoral or professional degree		Yes Yes No	No No No	Yes No No

Wages - Workforce Re May 2022	egion 3	Annual M	/ages (\$) by Occupat	ion	Wage Mee	ets or Exceeds All C	Occupation Metric		Wage Med	ts or Exceeds Educa	tional Level Metric
vidy 2022			Average Annual	High-Level Wage	Representative	Average Annu			Representative		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
19-3091 19-3092	Anthropologists and Archeologists Geographers	36,807	57,948	68,551	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Historians	33,076	66,070	89,931	Yes	Yes	Yes	Master's degree	No	No	Yes
19-3094	Political Scientists	33,070	00,070	65,551	163	163	163	iviaster's degree	T NO	140	163
19-3099	Social Scientists and Related Workers, All Other	51,939	79,016	94,360	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4012	Agricultural Technicians	27,610	36,724	42,632	No	No	No	Associate's degree	No	No	No
19-4013	Food Science Technicians	29,934	48,494	66,805	No	No	Yes	Associate's degree	No	No	Yes
19-4021 19-4031	Biological Technicians	27,123 29.466	39,811	46,050 57,121	No No	No	No	Bachelor's degree	No	No	No
19-4031	Chemical Technicians Environmental Science and Protection Technicians, Including Health	29,466	47,161 38,608	44,681	No No	No No	Yes No	Associate's degree Associate's degree	No No	No No	No No
19-4043	Geological Technicians, Except Hydrologic Technicians	29,089	37,404	40.868	No	No	No	Associate's degree	No	No	No
19-4044	Hydrologic Technicians	33,178	51,857	62,018	Yes	Yes	Yes	Associate's degree	No	No	Yes
19-4051	Nuclear Technicians							•			
19-4061	Social Science Research Assistants	28,271	45,315	52,040	No	No	No	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	34,133	49,631	54,496	Yes	Yes	No	Associate's degree	No	No	No
19-4092 19-4099	Forensic Science Technicians Life, Physical, and Social Science Technicians, All Other	34,473	56,037 45,480	68,790	Yes	Yes	Yes	Bachelor's degree	No.	No	No No
19-5011	Occupational Health and Safety Specialists	24,844 31.990	63.647	54,787 79.210	No Yes	No Yes	No Yes	Bachelor's degree Bachelor's degree	No No	No No	No No
19-5012	Occupational Health and Safety Technicians	37,064	57,277	63,856	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	32,270	57,380	75,559	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	31,358	41,695	44,662	No	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	28,497	39,114	42,302	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	35,379	53,404	64,143	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1019 21-1021	Counselors, All Other Child, Family, and School Social Workers	27,959 32,520	39,196 47,929	42,191 50.621	No Yes	No No	No No	Master's degree	No No	No No	No No
21-1021	Healthcare Social Workers	35,661	52,216	60,751	Yes	Yes	Yes	Bachelor's degree Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	28.198	43.661	53.694	No	No	No.	Bachelor's degree	No.	No	No.
21-1029	Social Workers, All Other	31,200	38,563	42,411	No	No	No	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	28,740	54,760	74,422	No	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	29,806	39,982	46,550	No	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	24,373	32,919	36,837	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	28,501	43,845	55,256	No	No	Yes	Bachelor's degree	No	No	No
21-1099 21-2011	Community and Social Service Specialists, All Other Clergy	30,719 30,279	40,370 37,048	46,769 37,107	No No	No No	No No	Bachelor's degree Master's degree	No No	No No	No No
21-2011	Directors, Religious Activities and Education	27,343	49,560	59,584	No	Yes	Yes	Bachelor's degree	No	No	No
21-2021	Religious Workers, All Other	26,921	44,506	56.074	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	65,000	110,203	124,128	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
23-1012	Judicial Law Clerks	34,335	52,049	58,362	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	39,177	86,109	106,929	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators										
23-1023 23-2011	Judges, Magistrate Judges, and Magistrates	39,177	86,109	106,929	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-2011	Paralegals and Legal Assistants Title Examiners, Abstractors, and Searchers	27,040 29,135	38,930 49,183	46,521 57,424	No No	No Yes	No Yes	Associate's degree High school diploma or equivalent	No No	No Yes	No Yes
23-2099	Legal Support Workers, All Other	27,040	58,619	62,790	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	43,551	78,896	90,115	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	44,322	83,702	103,722	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	43,863	69,883	82,783	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	35,658	94,617	118,634	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032 25-1041	Engineering Teachers, Postsecondary Agricultural Sciences Teachers, Postsecondary	43,238	82,994	114,178	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	48.374	82.020	91.962	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	41,290	57,287	69,653	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	43,018	59,115	57,277	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	36,696	75,065	90,161	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	40,923	66,520	82,930	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054 25-1061	Physics Teachers, Postsecondary Anthonology and Archaelegy Teachers, Postsecondary	44,084	59,253	58,554 92,090	Yes	Yes	Yes	Doctoral or professional degree	No.	No No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary Area, Ethnic, and Cultural Studies Teachers, Postsecondary	43,018 44,681	78,382 61.605	92,090 70.728	Yes Yes	Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No
25-1062	Economics Teachers, Postsecondary	43,229	54,742	50,258	Yes	Yes	No No	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	43,018	59,115	57,277	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	41,741	58,775	54,273	Yes	Yes	No	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	43,845	75,276	85,622	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	44,028	92,715	110,733	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	42,623	59,979	70,572	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071 25-1072	Health Specialties Teachers, Postsecondary Nursing Instructors and Teachers, Postsecondary	43,744 44,332	86,293 73,650	93,579 87,074	Yes Yes	Yes Yes	Yes Yes	Bachelor's degree Master's degree	Yes No	Yes	Yes Yes
25-1072	Education Teachers, Postsecondary	44,332 34.859	68.661	78.823	Yes	Yes	Yes	Doctoral or professional degree	No No	No Yes	No Yes
25-1082	Library Science Teachers, Postsecondary	44,543	68,229	75,185	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	39,306	53,538	55,982	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	41,695	129,889	192,064	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary										
25-1121	Art, Drama, and Music Teachers, Postsecondary	43,156	80,468	90,528	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	42,246	73,632	91,337	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123 25-1124	English Language and Literature Teachers, Postsecondary	40,859	63,148	72,327	Yes	Yes	Yes	Doctoral or professional degree	No No	No No	No No
25-1124 25-1125	Foreign Language and Literature Teachers, Postsecondary History Teachers, Postsecondary	37,771 38,644	62,450 51,167	72,511 45,030	Yes Yes	Yes	Yes No	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No
	Philosophy and Religion Teachers, Postsecondary	41.888	61.991	72.658	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No	No	No
25-1126											

Wages - Workforce Region 3

Wages - Workforce Re Way 2022	-0	Annua	l Wages (\$) by Occupa	ition	Wage Meet	s or Exceeds All Occu	pation Metric		Wage Meet	s or Exceeds Education	nal Level Metric
•		Representative	Average Annual	High-Level Wage	Representative	Average Annual	High-Level Wage		Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	40,473	69,056	72,842	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	28,080	32,325	33,238	No	No	No	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	34,133	60,484	71,344	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	22,695	32,756	37,540	No	No	No	Associate's degree	No	No	No
25-2012 25-2021	Kindergarten Teachers, Except Special Education	57,226	63,707	61,591	Yes	Yes	Yes	Bachelor's degree	Yes	No No	No No
25-2021	Elementary School Teachers, Except Special Education Middle School Teachers, Except Special and Career/Technical Education	40,227 29.803	57,078 54,994	61,438 62,387	Yes No	Yes	Yes Yes	Bachelor's degree	No No	No No	No No
25-2022	Career/Technical Education Teachers, Middle School	43,799	60,530	68,597	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	Yes	No	No
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	41,671	57.078	61.840	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2032	Career/Technical Education Teachers, Secondary School	43,413	57,562	62,395	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	34,776	55,375	70,618	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	40,399	53,088	59,776	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2057	Special Education Teachers, Middle School	43,257	58,536	72,199	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	40,809	43,547	46,651	Yes	No	No	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	26,682	54,558	73,999	No	Yes	Yes	Bachelor's degree	No	No	No
	Adult Basic Education, Adult Secondary Education, and English as a Second										
25-3011	Language Instructors	31,870	41,980	40,518	No	No	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	20,820	37,092	45,241	No	No	No	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	20,800	25,323	23,708	No	No	No	Bachelor's degree	No	No	No
25-3041	Tutors	20,535	39,416	47,777	No	No	No	Bachelor's degree	No	No	No
25-3099	Teachers and Instructors, All Other	31,682	59,566	80,690	No	Yes	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	26,985	43,211	51,599	No	No	No	Master's degree	No	No	No
25-4012	Curators	28,951	51,958	64,977	No	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	27,472	43,358	51,691	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	26,624	52,508	74,012	No	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	25,987	32,964	37,450	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	27,058	43,532	53,529	No	No	No	Master's degree	No	No	No
25-9031 25-9044	Instructional Coordinators	50,327 19,469	69,137 30,247	80,323 37.634	Yes	Yes No	Yes No	Master's degree	Yes	No	No No
25-9044	Teaching Assistants, Postsecondary Teaching Assistants, Except Postsecondary	20.800	25.914	28.374	No No	No No	No No	Bachelor's degree	No No	No No	No.
25-9045	Educational Instruction and Library Workers, All Other	20,800	25,914 44.497	28,374 58.205	No No	No No	Yes	Some college, no degree		No No	No No
27-1011	Art Directors	45.636	81.561	91,943	Yes	Yes	Yes	Bachelor's degree	No Yes	Yes	Yes
27-1011	Craft Artists	19,533	31.542	36.375	No	No	No	Bachelor's degree Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	25,258	43,413	43.744	No	No	No	Bachelor's degree	No	No	No
27-1013	Special Effects Artists and Animators	42,531	60,888	69,883	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1014	Artists and Related Workers, All Other	24,320	46,812	54,438	No	No	No	Some college, no degree	No	Yes	Yes
27-1021	Commercial and Industrial Designers	20,939	54.190	68.928	No	Yes	Yes	Bachelor's degree	No.	No	No
27-1022	Fashion Designers	34,390	62,101	73,025	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	22.281	31.395	33.178	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	31,322	52,252	59,290	No	Yes	Yes	Bachelor's degree	No.	No	No
27-1025	Interior Designers	32.066	58.113	68.836	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	28,170	35,127	37,233	No	No	No	Some college, no degree	Yes	No	No
27-1027	Set and Exhibit Designers	33,527	42,384	43,881	Yes	No	No	Bachelor's degree	No	No	No
27-1029	Designers, All Other	26,755	56,258	69,304	No	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	27,674	31,560	29,484	No	No	No	Some college, no degree	Yes	No	No
27-2012	Producers and Directors	34,565	74,450	89,022	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-2021	Athletes and Sports Competitors	23,328	59,519	59,188	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	23,328	59,519	59,188	No	Yes	Yes	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	19,497	42,558	42,779	No	No	No	Some college, no degree	No	Yes	Yes
27-2031	Dancers	27,674	31,560	29,484	No	No	No	High school diploma or equivalent	No	No	No
27-2032	Choreographers										
27-2041	Music Directors and Composers	29,172	64,462	76,535	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	27,674	31,560	29,484	No	No	No	Some college, no degree	Yes	No	No
27-2091	Disc Jockeys, Except Radio	20,397	55,771	55,228	No	Yes	Yes	Bachelor's degree	No	No	No
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	20,397	55,771	55,228	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-3011 27-3023	Broadcast Announcers and Radio Disc Jockeys	20,397	55,771	55,228	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023 27-3031	News Analysts, Reporters, and Journalists	33,306	66,557	79,411	Yes	Yes	Yes	Bachelor's degree	No	No No	No No
27-3031 27-3041	Public Relations Specialists	31,726	53,683	70,081	No	Yes	Yes	Bachelor's degree	No	No No	No
27-3041 27-3042	Editors Technical Writers	33,894 46.169	62,753 70,058	72,952 78,759	Yes Yes	Yes Yes	Yes	Bachelor's degree	No Yes	No No	No No
27-3042 27-3043	Technical Writers Writers and Authors	46,169 32,782					Yes	Bachelor's degree			No No
27-3043	Interpreters and Translators	32,782 29.199	57,856	67,017 66,989	Yes	Yes	Yes	Bachelor's degree	No No	No No	
27-3091	Court Reporters and Simultaneous Captioners	25,993	49,642 48,439	58,701	No No	Yes No	Yes	Bachelor's degree Postsecondary nondegree award	No No	No Yes	No Yes
27-3092	Media and Communication Workers, All Other	25,993 19,432	48,439	58,701	No No	No No	Yes No	Associate's degree	No No	Yes No	No Yes
27-4011	Audio and Video Technicians	23,622	45,976	55,559	No	No	Yes	Associate's degree	No	No	No
27-4011	Broadcast Technicians	25,022	58,913	77.840	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4012	Sound Engineering Technicians	24,844	62,257	92.642	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4015	Lighting Technicians	24,044	02,237	32,042	1			. I Sociate 3 degree	1 1		
27-4021	Photographers	25,248	40.050	48.099	No	No	No	Some college, no degree	Yes	Yes	Yes
27-4031	Camera Operators, Television, Video, and Film	27,931	54,255	59.923	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	30,467	50,837	59,721	No	Yes	Yes	Bachelor's degree	No	No	No
27-4099	Media and Communication Equipment Workers, All Other	25,653	61,825	85,062	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	42,843	80,890	91,870	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	104,915	180,901	212,285	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
	Oral and Maxillofacial Surgeons	48,264	208,850	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1022											
29-1022 29-1023	Orthodontists	64,692	157,049	195,610	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
			157,049	195,610		Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes

Wages - Workforce Re May 2022	egion 3	T	ages (\$) by Occupat	e	W M	F d- All d	Occupation Metric			/ NA	F d. Ed	ional Level Metric
iviay 2022			Average Annual	High-Level Wage	Representative	Average Anni					Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		ng Wage	Wage	Threshold
29-1031	Dietitians and Nutritionists	50,440	68,353	73,735	Yes	Yes	Yes	Bachelor's degree	Yes		No	No
29-1041 29-1051	Optometrists	33,058 77.844	99,983 120,489	129,053 138,339	Yes	Yes	Yes	Doctoral or professional degree	No		No	Yes
29-1051	Pharmacists Physician Assistants	77,844 29.940	120,489 94.385	138,339	Yes No	Yes	Yes Yes	Doctoral or professional degree Master's degree	Yes No		Yes	Yes Yes
29-1071	Podiatrists	28,455	120,132	170,996	No	Yes	Yes	· ·	No		Yes	Yes
29-1122	Occupational Therapists	74.207	89.618	100.308	Yes	Yes	Yes	Doctoral or professional degree Master's degree	Yes		Yes	Yes
29-1123	Physical Therapists	78,570	99,796	104,000	Yes	Yes	Yes	Doctoral or professional degree	Yes		No	No
29-1124	Radiation Therapists	58.481	78.584	82.572	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-1125	Recreational Therapists	27,996	49,872	58,003	No	Yes	Yes	Bachelor's degree	No		No	No
29-1126	Respiratory Therapists	48,105	63,285	74,999	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-1127	Speech-Language Pathologists	51,045	77,569	96,766	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-1128	Exercise Physiologists	36,402	48,742	52,123	Yes	Yes	No	Master's degree	No		No	No
29-1129	Therapists, All Other	32,571	57,048	70,655	Yes	Yes	Yes	Bachelor's degree	No		No	No
29-1131	Veterinarians	56,983	106,028	122,511	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
29-1141	Registered Nurses	50,324	73,394	79,525	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	No
29-1151	Nurse Anesthetists	112,386	160,228	183,942	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-1161	Nurse Midwives	57,994	89,757	103,107	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-1171 29-1181	Nurse Practitioners	79,178	106,489	125,216	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-1181	Audiologists	56,956	87,313	98,706	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
	Anesthesiologists	95,554	275,619	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1212 29-1213	Cardiologists Dermatologists	165,786 57,213	393,986 238,858	*	Yes Yes	Yes	Yes* Yes*	Doctoral or professional degree Doctoral or professional degree	Yes No		Yes	Yes* Yes*
29-1213	Emergency Medicine Physicians	188,787	238,858 317,795	*		Yes	Yes*				Yes	Yes*
29-1214	Family Medicine Physicians	188,787 56,230	317,795 200.131	*	Yes Yes	Yes	Yes* Yes*	Doctoral or professional degree	Yes No		Yes	Yes* Yes*
29-1215	General Internal Medicine Physicians	56,230 57,213	238,858	*	Yes	Yes	Yes*	Doctoral or professional degree Doctoral or professional degree	No		Yes	Yes*
29-1217	Neurologists	85,769	258,858	*	Yes	Yes	Yes*	Doctoral or professional degree Doctoral or professional degree	Yes		Yes	Yes*
29-1217	Obstetricians and Gynecologists	57,213	232,438	*	Yes	Yes	Yes*	Doctoral or professional degree Doctoral or professional degree	No		Yes	Yes*
29-1221	Pediatricians, General	111,798	179,568	218.883	Yes	Yes	Yes	Doctoral or professional degree	Yes		Yes	Yes
29-1222	Physicians, Pathologists	91,337	233,979	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1223	Psychiatrists	49,192	206,029	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1224	Radiologists	46.748	279,707	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1229	Physicians, All Other	133,419	258,918	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1241	Ophthalmologists, Except Pediatric	93,726	201,748	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1242	Orthopedic Surgeons, Except Pediatric	59,721	294,408	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1243	Pediatric Surgeons											
29-1249	Surgeons, All Other	59,721	294,408	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1291	Acupuncturists	26,645	46,454	50,157	No	No	No	Master's degree	No		No	No
29-1292	Dental Hygienists	41,600	71,940	80,390	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-1299	Healthcare Diagnosing or Treating Practitioners, All Other	29,052	50,974	66,061	No	Yes	Yes	Master's degree	No		No	No
29-2010	Clinical Laboratory Technologists and Technicians	35,712	56,447	64,227	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	27,885	50,680	70,251	No	Yes	Yes	Associate's degree	No		No	Yes
29-2032	Diagnostic Medical Sonographers	55,247	68,092	75,166	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-2033	Nuclear Medicine Technologists	60,475	75,212	78,685	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-2034	Radiologic Technologists and Technicians	41,074	53,425	64,565	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	39,480	63,185	72,134	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-2036	Medical Dosimetrists											
29-2042	Emergency Medical Technicians	23,219	26,726	29,145	No	No	No	Postsecondary nondegree award	No		No	No
29-2043 29-2051	Paramedics	30,150	34,233	34,954	No	No	No	Postsecondary nondegree award	No		No	No
29-2052	Dietetic Technicians Pharmacy Technicians	21,886 28,696	28,492 35,628	30,807 37,370	No No	No No	No No	Associate's degree	No No		No No	No No
29-2052	Psychiatric Technicians	28,715	38,949	46,642	No	No	No	Postsecondary nondegree award	No		No	No
29-2055	Surgical Technologists	34.694	47,988	55,532	Yes	No	Yes	Postsecondary nondegree award Postsecondary nondegree award	Yes		Yes	Yes
29-2056	Veterinary Technologists and Technicians	26,636	34,969	41,511	No	No	No	Associate's degree	No		No	No
29-2057	Ophthalmic Medical Technicians	26,553	39,591	45,306	No	No	No	Postsecondary nondegree award	No		No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	37.636	47,989	54.567	Yes	No	No	Postsecondary nondegree award	Yes		Yes	Yes
29-2072	Medical Records Specialists	29,068	44,653	48,297	No	No	No	Postsecondary nondegree award	No		Yes	No
29-2081	Opticians, Dispensing	31,326	49,527	60,320	No	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
29-2091	Orthotists and Prosthetists	39,177	76,701	89,169	Yes	Yes	Yes	Master's degree	No		Yes	Yes
29-2092	Hearing Aid Specialists	28,666	48,751	61,559	No	Yes	Yes	Postsecondary nondegree award	No		Yes	Yes
29-2099	Health Technologists and Technicians, All Other	34,280	42,326	45,569	Yes	No	No	Postsecondary nondegree award	Yes		No	No
29-9021	Health Information Technologists and Medical Registrars	31,230	57,700	74,376	No	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
29-9091	Athletic Trainers	36,448	50,653	56,331	Yes	Yes	Yes	Bachelor's degree	No		No	No
29-9092	Genetic Counselors											
29-9093	Surgical Assistants	31,570	56,533	65,997	No	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
29-9099	Healthcare Practitioners and Technical Workers, All Other	28,960	60,585	65,942	No	Yes	Yes	Postsecondary nondegree award	No		Yes	Yes
31-1120	Home Health and Personal Care Aides	21,452	28,047	29,784	No	No	No	High school diploma or equivalent	No		No	No
31-1131	Nursing Assistants	24,143	30,813	34,519	No	No	No	Postsecondary nondegree award	No		No	No
31-1132	Orderlies	23,034	28,207	30,191	No	No	No	High school diploma or equivalent	No		No	No
31-1133	Psychiatric Aides	24,660	29,897	31,818	No	No	No	High school diploma or equivalent	No		No	No
31-2011	Occupational Therapy Assistants	60,460	68,357	73,894	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
31-2012 31-2021	Occupational Therapy Aides	27,509 30.321	51,471 62.913	62,772 75,286	No No	Yes	Yes Yes	Postsecondary nondegree award	No No		Yes Yes	Yes Yes
31-2022	Physical Therapist Assistants Physical Therapist Aides			75,286 31.110		Yes		Associate's degree			No	Yes No
31-2022		21,353	28,905	31,110 50.157	No No	No	No No	Postsecondary nondegree award	No			
31-9011	Massage Therapists Dental Assistants	26,645 32,302	46,454 42.908	50,157 47,367	No Yes	No No	No No	Postsecondary nondegree award	No Yes		Yes	Yes No
31-9091	Medical Assistants	32,302 27,420	42,908 33,542	47,367 36.848	No Yes	No No	No No	Postsecondary nondegree award Postsecondary nondegree award	Yes No		No	No No
31-9093	Medical Equipment Preparers	26,819	35,144	40.041	No	No	No	High school diploma or equivalent	No		No	No
31-9094	Medical Transcriptionists	21,794	32,452	36,154	No	No	No	Postsecondary nondegree award	No		No	No
3034		21,754	32,432	30,134	1				140			

Wages - Workforce Re Way 2022	egion 3	Annual W	ages (\$) by Occupat	tion		Wago Moote	or Evenode All O	Occupation Metric			Wage Mosts	or Exceeds Educati	ional Lovel Matric
viay 2022			Average Annual	High-Level Wage	1	Representative	Average Annu				Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)		Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
31-9095	Pharmacy Aides	21,720	31,285	36,651		No	No	No	High school diploma or equivalent		No	No	No
31-9096 31-9097	Veterinary Assistants and Laboratory Animal Caretakers	24,688	30,458	33,260		No	No	No	High school diploma or equivalent	<u> </u>	No	No	No
31-9097	Phlebotomists Healthcare Support Workers, All Other	26,773 28,080	37,035 40,419	40,922 53.300		No No	No No	No No	Postsecondary nondegree award High school diploma or equivalent	-	No No	No No	No Yes
33-1011	First-Line Supervisors of Correctional Officers	42,099	45,362	45,760		Yes	No	No	Some college, no degree		Yes	Yes	Yes
33-1011	First-Line Supervisors of Police and Detectives	42,099	68,781	72,993		Yes	Yes	Yes	Bachelor's degree		Yes	No	No.
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	41,330	61,071	80,544		Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
33-1091	First-Line Supervisors of Security Workers	27.894	45.370	53,639		No	No	No	Bachelor's degree		No	No	No
33-1099	First-Line Supervisors of Protective Service Workers, All Other	35,309	54,595	62,560		Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
33-2011	Firefighters	29,120	40,109	46,511		No	No	No	Postsecondary nondegree award		No	No	No
33-2021	Fire Inspectors and Investigators	37,312	57,921	70,839		Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	51,140	84,097	94,939		Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
33-3011	Bailiffs	26,810	50,873	59,914		No	Yes	Yes	High school diploma or equivalent		No	Yes	Yes
33-3012	Correctional Officers and Jailers	38,750	42,527	41,517		Yes	No	No	High school diploma or equivalent		Yes	Yes	No
33-3021	Detectives and Criminal Investigators	38,774	47,260	51,709		Yes	No	No	Some college, no degree		Yes	Yes	Yes
33-3031	Fish and Game Wardens	24,844	26,939	27,095		No	No	No	Bachelor's degree		No	No	No
33-3041	Parking Enforcement Workers	29,172	37,422	38,948		No	No	No	High school diploma or equivalent		No	No	No
33-3051 33-3052	Police and Sheriff's Patrol Officers	33,627	47,784	50,680		Yes	No	No	Associate's degree		No	No	No
33-9011	Transit and Railroad Police Animal Control Workers	54,870 26,002	68,174 36,706	55,954 40,611	-	Yes	Yes No	Yes	Associate's degree	-	Yes	Yes	No No
33-9011		30,577		40,611 75,469		No		No	Postsecondary nondegree award	-	No	No	
33-9021	Private Detectives and Investigators Gambling Surveillance Officers and Gambling Investigators	26.066	55,127 32,736	75,469 35.484		No No	Yes No	Yes No	Bachelor's degree High school diploma or equivalent	1	No No	No No	No No
33-9032	Security Guards	26,066	32,736	35,484 34.116		No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	1	No No	No No	No No
33-9032	Crossing Guards and Flaggers	22,817	32,866 28.997	34,116		No No	No No	No No	No formal educational credential	1	No No	No No	No No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	20,800	22,436	26,957		No	No	No No	No formal educational credential		No	No	No
33-9093	Transportation Security Screeners	32,415	40.298	44.010		Yes	No	No	High school diploma or equivalent	<u> </u>	Yes	No	No
33-9094	School Bus Monitors	20.800	21,679	20.800		No	No	No	High school diploma or equivalent		No	No	No
33-9099	Protective Service Workers, All Other	25,327	31,908	34,632		No	No	No	High school diploma or equivalent	<u> </u>	No	No	No
35-1011	Chefs and Head Cooks	35,980	59,705	71,282		Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	28,082	36,938	42,558		No	No	No	High school diploma or equivalent		No	No	No
35-2011	Cooks, Fast Food	20,204	24,366	26,525		No	No	No	No formal educational credential		No	No	No
35-2012	Cooks, Institution and Cafeteria	22,312	28,347	30,233		No	No	No	No formal educational credential		No	No	No
35-2013	Cooks, Private Household	29,723	54,080	66,640		No	Yes	Yes	Postsecondary nondegree award		No	Yes	Yes
35-2014	Cooks, Restaurant	25,019	31,147	33,637		No	No	No	High school diploma or equivalent		No	No	No
35-2015	Cooks, Short Order	21,315	26,304	29,821		No	No	No	No formal educational credential		No	No	No
35-2019	Cooks, All Other	24,964	30,807	32,599		No	No	No	No formal educational credential		Yes	Yes	No
35-2021	Food Preparation Workers	23,224	27,792	29,130		No	No	No	No formal educational credential		No	No	No
35-3011	Bartenders	19,497	31,560	35,245		No	No	No	No formal educational credential		No	Yes	Yes
35-3023	Fast Food and Counter Workers	22,487	25,395	27,378		No	No	No	No formal educational credential		No	No	No
35-3031	Waiters and Waitresses	20,954	30,843	35,450		No	No	No	No formal educational credential		No	Yes	Yes
35-3041	Food Servers, Nonrestaurant	20,544	25,974	28,602		No	No	No	No formal educational credential		No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	19,442	25,809	28,234		No	No	No	No formal educational credential		No	No	No
35-9021	Dishwashers	20,443	24,826	26,590		No	No	No	No formal educational credential		No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	19,644	26,709	27,803		No	No	No	No formal educational credential	-	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	20,388	25,947	26,544		No	No	No	No formal educational credential		No	No	No
37-1011 37-1012	First-Line Supervisors of Housekeeping and Janitorial Workers	25,705 37.190	45,262 53.603	51,463 56.964		No	No	No	High school diploma or equivalent	-	No	Yes	Yes
37-1012 37-2011	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	37,190 21,452	28,964	31,200		Yes	Yes No	Yes No	Some college, no degree	-	Yes No	Yes No	Yes No
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	21,432	27,485	29,662		No	No	No	High school diploma or equivalent	-		No	No
37-2012	Maids and Housekeeping Cleaners Building Cleaning Workers, All Other	22,455	27,485	30,504		No	No	No	No formal educational credential No formal educational credential	-	No No	No	No
37-2021	Pest Control Workers	28,446	38,608	42,871		No	No	No	High school diploma or equivalent		No	No	No
37-3011	Landscaping and Groundskeeping Workers	26,666	32,651	35.512		No	No	No	No formal educational credential		Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	21,711	35,337	41,961		No	No	No	High school diploma or equivalent		No	No	No
37-3013	Tree Trimmers and Pruners	25,744	36,099	43,339		No	No	No	High school diploma or equivalent		No	No	No
37-3019	Grounds Maintenance Workers, All Other	-7	,	.,									
39-1013	First-Line Supervisors of Gambling Services Workers	30,320	53,042	65,096		No	Yes	Yes	Some college, no degree		Yes	Yes	Yes
	First-Line Supervisors of Entertainment and Recreation Workers, Except			,									
39-1014	Gambling Services	28,032	47,805	55,835		No	No	Yes	Some college, no degree		Yes	Yes	Yes
39-1022	First-Line Supervisors of Personal Service Workers	27,086	44,249	52,206		No	No	No	Some college, no degree		Yes	Yes	Yes
39-2011	Animal Trainers	24,853	34,225	36,200		No	No	No	High school diploma or equivalent		No	No	No
39-2021	Animal Caretakers	21,380	28,639	30,320		No	No	No	High school diploma or equivalent		No	No	No
39-3011	Gambling Dealers	19,726	32,341	43,679		No	No	No	High school diploma or equivalent		No	No	No
39-3012	Gambling and Sports Book Writers and Runners												
39-3019	Gambling Service Workers, All Other												
39-3021	Motion Picture Projectionists												
39-3031	Ushers, Lobby Attendants, and Ticket Takers	19,699	24,210	26,066		No	No	No	No formal educational credential		No	No	No
39-3091	Amusement and Recreation Attendants	20,094	26,094	26,930		No	No	No	No formal educational credential	1	No	No	No
39-3092	Costume Attendants								101 1 101	.			
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	20,820	27,830	30,430		No	No	No	High school diploma or equivalent	.	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	21,399	26,636	26,682		No	No	No No	High school diploma or equivalent	.	No	No	No
39-4011 39-4012	Embalmers Cromatory Operators	30,017	42,898 36,393	48,062 43,496		No No	No	No No	Associate's degree	1	No	No	No No
39-4012 39-4021	Crematory Operators Funeral Attendants	28,556 25,761	36,393 32.861	43,496 35.008		No No	No No	No No	High school diploma or equivalent	—	No No	No	No No
39-4021		31.864	- ,	35,008 59.363					High school diploma or equivalent	-		No	
39-4031	Morticians, Undertakers, and Funeral Arrangers Barbers	31,864 20.066	51,002 31.037	59,363 34.262		No No	Yes No	Yes No	Associate's degree	-	No No	No No	No No
39-5011	Hairdressers, Hairstylists, and Cosmetologists	20,066	40,673	34,262 44,866		No	No	No No	Postsecondary nondegree award Postsecondary nondegree award	1	No No	No No	No No
39-5091	Makeup Artists, Theatrical and Performance	23,102	40,073	44,300				710	. ossecondary nondegree award	1		.40	.40
39-5092	Manicurists and Pedicurists	20,654	30,825	32,360		No	No	No	Postsecondary nondegree award	1	No	No	No
		20,034	30,023	32,300									

Wages - Workforce Re	egion 3											
May 2022			ages (\$) by Occupat Average Annual	High-Level Wage	Representative	Average Annu	Occupation Metric ual High-Level Wage		Re	epresentative	Average Annua	tional Level Metric al High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		arting Wage	Wage	Threshold
	,		-			•		·			<u> </u>	
39-5093	Shampooers	19,111	22,547	24,330	No	No	No	High school diploma or equivalent	N		No	No
39-5094	Skincare Specialists	20,967	37,799	41,566	No	No	No	Postsecondary nondegree award	N		No	No
39-6011	Baggage Porters and Bellhops	19,864	27,260	31,652	No	No	No	High school diploma or equivalent	No	-	No	No
39-6012	Concierges	22,712	32,810	35,135	No	No	No	High school diploma or equivalent	N		No	No
39-7010 39-9011	Tour and Travel Guides Childcare Workers	20,948	33,435 27.010	36,779	No No	No	No	High school diploma or equivalent	N ₁		No	No No
39-9011	Exercise Trainers and Group Fitness Instructors	21,062 19,111	38,773	29,691 45,287	No No	No No	No No	High school diploma or equivalent	No.		No No	No No
39-9032	Recreation Workers	22.472	34,975	45,287 37.170	No No	No	No No	Postsecondary nondegree award Bachelor's degree	N.		No	No No
39-9041	Residential Advisors	23,852	33,913	38,258	No	No	No	Some college, no degree	N		No	No
39-9099	Personal Care and Service Workers, All Other	24.778	29,216	29.836	No	No	No	High school diploma or equivalent	N		No	No
41-1011	First-Line Supervisors of Retail Sales Workers	28,598	47,637	55,986	No	No	Yes	Some college, no degree	Ye		Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	60.808	106,010	115,486	Yes	Yes	Yes	Some college, no degree	Ye		Yes	Yes
41-2011	Cashiers	21,648	25,601	27,876	No	No	No	No formal educational credential	N		No	No
41-2012	Gambling Change Persons and Booth Cashiers	19,506	30,577	31,680	No	No	No	No formal educational credential	N	0	Yes	No
41-2021	Counter and Rental Clerks	24,579	33,375	37,221	No	No	No	No formal educational credential	Ye	es .	Yes	Yes
41-2022	Parts Salespersons	21,077	34,455	40,271	No	No	No	High school diploma or equivalent	Ne	0	No	No
41-2031	Retail Salespersons	22,840	31,681	34,543	No	No	No	High school diploma or equivalent	Ne		No	No
41-3011	Advertising Sales Agents	29,769	60,236	66,079	No	Yes	Yes	Some college, no degree	Ye		Yes	Yes
41-3021	Insurance Sales Agents	29,486	55,108	68,912	No	Yes	Yes	Postsecondary nondegree award	N ₁		Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	38,434	56,513	58,070	Yes	Yes	Yes	Bachelor's degree	N		No	No
41-3041	Travel Agents	22,722	40,142	46,050	No	No	No	Some college, no degree	N	0	Yes	Yes
41 2001	Sales Representatives of Services, Except Advertising, Insurance, Financial	24.045	07.044	05.740	Voc	Voc	Voc	Racholar's dograe			Voc	Vos
41-3091	Services, and Travel	34,015	87,041	85,718	Yes	Yes	Yes	Bachelor's degree	N	U	Yes	Yes
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	39,260	95,086	119,048	Yes	Yes	Yes	Racholaric dograe	l N		Yes	Yes
41-4011	Sales Representatives, Wholesale and Manufacturing, Except Technical and	39,200	95,080	119,048	res	res	res	Bachelor's degree	IN	0	res	Tes
41-4012	Scientific Products	28.606	64.027	74.571	No	Yes	Yes	Some college, no degree	Ye	ac .	Yes	Yes
41-9011	Demonstrators and Product Promoters	19,460	45,103	71,803	No	No	Yes	No formal educational credential	No.		Yes	Yes
41-9012	Models	15,400	45,105	71,003	NO	140	163	No formal educational credential		0	163	163
41-9021	Real Estate Brokers	26,259	51,985	58,288	No	Yes	Yes	Postsecondary nondegree award	N	0	Yes	Yes
41-9022	Real Estate Sales Agents	24.139	47.502	53,248	No.	No.	No.	Postsecondary nondegree award	No.		Yes	Yes
41-9031	Sales Engineers	44.819	113,443	147.668	Yes	Yes	Yes	Bachelor's degree	Ye	*	Yes	Yes
41-9041	Telemarketers	19.736	28.795	30.210	No	No	No	High school diploma or equivalent	No.		No	No.
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	19,809	32,599	45.866	No	No	No	High school diploma or equivalent	No.		No	No
41-9099	Sales and Related Workers, All Other	20,480	38,102	41,594	No	No	No	Some college, no degree	N:		Yes	Yes
43-1011	First-Line Supervisors of Office and Administrative Support Workers	34.324	58.202	71,418	Yes	Yes	Yes	Some college, no degree	Ye	95	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	23,944	28,767	31,496	No	No	No	High school diploma or equivalent	Ne		No	No
43-2021	Telephone Operators	/	,									
43-2099	Communications Equipment Operators, All Other								t i			
43-3011	Bill and Account Collectors	28,473	38,010	41,493	No	No	No	High school diploma or equivalent	N	0	No	No
43-3021	Billing and Posting Clerks	29,676	36,442	38,856	No	No	No	High school diploma or equivalent	Υe	es	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	28,276	41,949	48,258	No	No	No	Some college, no degree	Υe	es	Yes	Yes
43-3041	Gambling Cage Workers	20,388	29,447	35,033	No	No	No	High school diploma or equivalent	N		No	No
43-3051	Payroll and Timekeeping Clerks	29,178	43,801	47,528	No	No	No	Some college, no degree	Υe	es	Yes	Yes
43-3061	Procurement Clerks	28,703	40,454	45,177	No	No	No	Associate's degree	N	0	No	No
43-3071	Tellers	28,032	34,841	36,228	No	No	No	High school diploma or equivalent	N-	0	No	No
43-3099	Financial Clerks, All Other	32,966	49,982	55,982	Yes	Yes	Yes	Some college, no degree	Υe	es	Yes	Yes
43-4011	Brokerage Clerks	34,234	50,965	55,311	Yes	Yes	Yes	Some college, no degree	Υe	es	Yes	Yes
43-4021	Correspondence Clerks											
43-4031	Court, Municipal, and License Clerks	28,368	40,617	45,262	No	No	No	Some college, no degree	Ye		Yes	Yes
43-4041	Credit Authorizers, Checkers, and Clerks	26,525	40,133	46,776	No	No	No	Some college, no degree	Ye		Yes	Yes
43-4051	Customer Service Representatives	24,543	36,773	41,369	No	No	No	High school diploma or equivalent	Ne		No	No
43-4061	Eligibility Interviewers, Government Programs	24,844	35,520	43,955	No	No	No	High school diploma or equivalent	No		No	No
43-4071	File Clerks	21,062	36,968	45,223	No	No	No	High school diploma or equivalent	N		No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	21,977	28,060	31,009	No	No	No	High school diploma or equivalent	N		No	No
43-4111	Interviewers, Except Eligibility and Loan	21,840	33,753	37,060	No No	No	No No	High school diploma or equivalent	N ₁		No	No No
43-4121 43-4131	Library Assistants, Clerical	22,354	26,680	30,929	No	No	No	Some college, no degree	No.		No	No
	Loan Interviewers and Clerks	29,833	43,973	53,648 43,220	No	No	No No	High school diploma or equivalent	Ye		Yes	Yes
43-4141 43-4151	New Accounts Clerks	33,315 25,483	39,903	43,220 47,221	Yes	No No	No No	High school diploma or equivalent	Ye		No No	No No
43-4161	Order Clerks Human Resources Assistants, Except Payroll and Timekeeping	25,483	39,011 39.627	47,221	No No	No No	No No	High school diploma or equivalent	No.		No No	No No
43-4101	Receptionists and Information Clerks	28,234 21,522	28,808	44,837 31,240	No No	No No	No No	Associate's degree High school diploma or equivalent	No.		No No	No No
43-4171	Reservation and Transportation Ticket Agents and Travel Clerks	21,522	28,808 38.810	31,240 44.543	No No	No No	NO No	High school diploma or equivalent High school diploma or equivalent	No.		No No	No No
43-4199	Information and Record Clerks, All Other	31.200	39,960	42,349	No No	No	No	High school diploma or equivalent	Ye	*	No	No
43-5011	Cargo and Freight Agents	29.080	46.307	55.761	No No	No	Yes	High school diploma or equivalent	N ₁		Yes	Yes
43-5021	Couriers and Messengers	24,284	30,632	32,488	No	No	No	High school diploma or equivalent	N		No	No
43-5031	Public Safety Telecommunicators	30,617	36,783	41,518	No	No	No	High school diploma or equivalent	Ye		No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	31,200	45,048	51,068	No	No	No	High school diploma or equivalent	Ye		Yes	Yes
43-5041	Meter Readers, Utilities	28,198	42,457	51,811	No	No	No	High school diploma or equivalent	N		No	Yes
43-5051	Postal Service Clerks	39,770	56,903	68,307	Yes	Yes	Yes	High school diploma or equivalent	Ye		Yes	Yes
43-5052	Postal Service Mail Carriers	39,645	54,683	70,179	Yes	Yes	Yes	High school diploma or equivalent	Ye		Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	35,447	47,924	61,706	Yes	No	Yes	High school diploma or equivalent	Ye	es .	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	29,756	51,369	69,306	No	Yes	Yes	Some college, no degree	Ye	es	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	22,440	36,884	39,439	No	No	No	High school diploma or equivalent	Ne		No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	24,780	34,767	38,608	No	No	No	High school diploma or equivalent	Ne	0	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	29,514	48,982	59,845	No	Yes	Yes	Some college, no degree	Ye	es	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	27,996	44,947	54,787	No	No	No	Some college, no degree	Υe		Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	25,473	34,895	38,276	No	No	No	Some college, no degree	Ye	es	No	No

Properties Pro	Wages - Workforce Re Way 2022	egion 3	A114	/ (¢) b 0	e 1	1 14/	- Ma4 Fd- All	O	1	1 1	14/ 844-	Fd- Fd	Air
None	viay 2022									F			
March Marc	Occupational Code	Occupational Title							Educational Requirement				
March Marc													
1400 1400				,		No							
District Methods District Me			, .	,	,								
			,	,	,								
1.00 1.00			-,-	-,	,				-				
Section Company Comp	43-9051				35,548								
Application of Company or Service 1,000			24,187		43,760		No	No	High school diploma or equivalent	N	No	No	No
Section Sect			-7-		,.								
Second Content of Americans injured Works A Content 1968 1972 1972 1970													
Second Communication from the following melling mell				,	,								
45-00 September Septembe													
Section Content of June 19 April 19	45-2011												
Section Proceeding Segment Conference of	45-2021	Animal Breeders				No	No	No	High school diploma or equivalent	N	No	No	No
Section Permanent of Control Conf. National Annual Conf. 1971 19			.,										
Second Comment Form Form Control Form Form Control Form Form Control Form Form Form Form Form Form Form Form													
Section Sect													
Section Proceedings Section													
6-651 Fosts and Communication Proteins 18-07 18-08 1	45-3031												
44 10				38,828	45,811	No	No	No	Postsecondary nondegree award	١	No	No	No
Act Color		1.000											
Section Temporal Processor				- ,									
20.001 Festival Segment of Construction Forders and Financian Workson 20.231 20.331 77.202 15.005 16.005													
20.000 Substimulation Substitution Substitu					,								
6.2002 Seinmense and Richmenses 2,744 39,955 6,568 No No No No No No No N		·											
20 20 20 20 20 20 20 20	47-2021			-,									
1979 Ciryet transfered Ciryet transfered Ciryet Teacher Ciryet			26,783		53,023	No	No	No	High school diploma or equivalent	N	No	Yes	Yes
Mary													
## 47.004 Floor Sanders and Providers 22.137 91,154 40,203 10 10 10 10 10 10 10				,	,=								
27-2946 The and Stones Setters			. ,	,	,								
27-295 Coment Masson of Controtte Finishers 2,277 47-272 53,088 10 10 10 10 10 10 10				,									
17.2032 Terration Workers and Finishers 12.277 4.7722 5.10.88 Ves No No No No No No Ves			-, -	, .	-,								
## 27-2072 Points, Suffrient, and Tamping Equipment Operators 18,88 17,128 41,171 No No No No No No No 27-2072 Points of Engineers and Other Construction Equipment Operators 18,818 44,431 43,516 47,251 No	47-2053		32,277	47,722	53,088	Yes	No	No	High school diploma or equivalent	Υ	'es	Yes	Yes
## 2007 Pile Orient Operations 3.8.8 44.43 4.5.76 No No No High school diploman or equivalent Yes Yes No No No High school diploman or equivalent No No No No High school diploman or equivalent No	47-2061						No	No	No formal educational credential	Y	es es	Yes	Yes
## 27-201 Operating Enjoymens and Other Contruction Equipment Operators			-,	. , .	,								
## 27-2082 Types 19-ywal and Celing Tile Installers 20,451 35,750 44,175 No No No No No Normal educational credential No Yes Yes 72-2082 Types 19-yes													
#7-2022 Tapers 72-027 35,562 43,284 No No No No No No No No Mormal educational credential Yes Yes Yes Yes 47-211 Gaziner G													
## 27-211 Blextricians	47-2082												
## 47211 Glaziers 26,277 38,562 43,284 No No No High school diploma or equivalent No No No No A72111 mulation Worker, Ricor, Ceiling, and Wall 26,992 39,588 44,366 No No No High school diploma or equivalent Yes Yes No No A72112 mulation Worker, Mechanical 33,453 45,048 46,886 46,886 Yes No No No High school diploma or equivalent Yes Yes Yes Yes A72114 Paperhages 27,422 33,977 40,944 No No No No No High school diploma or equivalent Yes Y	47-2111	Electricians											
## 17-2121 Insulation Workers, Mechanical 33,453 45,048 46,886 Ves No No High school diploma or equivalent Ves V	47-2121	Glaziers	26,277	38,562	43,284		No	No		N	No	No	No
## Painters, Construction and Maintenance 27,132 35,393 40,849 No													
47-2142 Paperhangers		·											
Pipelayers 30,191 38,984 42,632 No.			, .	,	.,								
## 27-212 Plumbers, Piperfitters, and Steamfitters 32,193 49,482 59,353 74,2161 Plusterers and Stucco Matsons 24,727 38,405 43,459 No.													
Plasterers and Stucco Masons 24,725 38,405 43,459 No No No No No No Formal educational credential Ves Ves Ves Ves 172:111 Reinforcing from and Rehar Workers 23,237 43,119 50,516 Ves No No No High school diploma or equivalent Ves Ves Ves 172:111 No													
A7-2171 Reinforcing from and Rebar Workers 32,387 43,119 50,616 Ves No	47-2161												
A7-2211 Sheet Metal Workers 25,348 34,805 43,366 No No No High school diploma or equivalent Ves Yes Yes		Reinforcing Iron and Rebar Workers				Yes	No	No	High school diploma or equivalent			Yes	
### 247-2221 Structural from and Steed Workers 32,571 44,819 52,316 Ves No No High school diploma or equivalent Ves V	47-2181	****											
47-2231 Solar Photovortals Installers Solar Photovortals (Installers Solar Photovortals (In			.,										
47-3011 HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters 9, 24,697 31,772 35,070 No No No No No No HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters 9, 24,697 31,772 35,070 No No No No No HelpersBrickmasons 9, 24,697 31,772 35,070 No No No No HelpersBrickmasons 9, 24,697 31,772 35,075 34,216 No No No No HelpersBrickmasons 9, 24,495 28,896 30,256 No No No No No HelpersBrickmasons 9, 24,495 28,896 30,256 No No No No No HelpersBrickmasons 9, 24,495 28,896 30,256 No No No No No HelpersBrickmasons 9, 24,495 28,896 30,256 No No No No No HelpersBrickmasons 9, 24,495 28,896 30,256 No No No No No HelpersBrickmasons 9, 24,495 28,896 30,256 No No No No No HelpersBrickmasons 9, 27,453 33,306 35,401 No No No No No No HelpersBrickmasons 9, 27,453 33,306 35,401 No No No No No No No Informal educational credential Ves Ves Ves 47-4011 Construction Trades, All Other 9, 27,453 33,306 35,401 No No No No No No No Informal educational credential Ves Ves Ves 47-4011 Construction and Building Inspectors 43,441 63,369 74,984 Ves Ves Ves Postsecondary nondegree award Ves Ves Ves 47-4021 Elevator and Escalator Installers and Repairers 44,828 77,739 9,4654 Ves Ves Ves Ves Postsecondary nondegree award Ves Ves Ves 47-4031 Fence Erectors 26,746 36,843 42,751 No No No No No No No No No Formal educational credential Ves Ves Ves Ves 47-4041 Hazardous Materials Removal Workers 26,746 36,843 42,751 No No No No No No No Helps school diploma or equivalent No No No A7-4061 Highway Maintenance Workers 26,746 36,843 42,751 No No No No No High school diploma or equivalent No No No No A7-4061 Highway Maintenance Equipment Operators 41,410 50,386 57,204 Ves Ves Ves Ves High school diploma or equivalent No No No No No High school diploma or equivalent No No No No No High school diploma or equivalent No No No No No High school diploma or equivalent No No No No High school diploma or equivalent No No No No High school diploma or equivalent No No No High school diploma or equivalent Ve			. ,.	,	. ,								
Helpers-Carpenters													
47-3014 HelpersPainters, Paperhangers, Plasterers, and Stucco Massons 24,495 28,896 30,256 No													
47-3015 HelpersPipelayers, Plumbers, Pipeliters, and Steamfitters 27,150 33,132 35,226 No	47-3013		24,559			No	No	No		N	No		
47-3016 Helpers-Roofers 27,453 33,306 35,401 No	47-3014		24,495	28,896	30,256	No	No	No	No formal educational credential	Y	es es	No	No
47-3019 Helpers, Construction Trades, All Other 25,689 33,995 37,551 No No No No No No Formal educational credential Yes Yes Yes 47-4011 Construction and Building Inspectors 43,441 63,369 74,994 Yes Yes Postsecondary nondegree award Yes Yes Yes Yes Postsecondary nondegree award Yes Yes Yes Yes Yes Postsecondary nondegree award Yes Yes Yes Yes Yes Yes Postsecondary nondegree award Yes													
47-4011 Construction and Building Inspectors 43,441 63,369 74,984 Yes Yes Yes Postecondary nondegree award Yes Yes Yes 47-4021 Elevator and Escalator Installers and Repairers 44,828 77,739 94,654 Yes Yes Yes Postecondary nondegree award Yes Yes Yes Yes Yes A7-4031 Fence Erectors 26,746 36,843 42,751 No													
44,828 77,739 94,654 Yes Yes Yes Postsecondary nondegree award Yes			,	,	0.,000								
47-4031 Fence Erectors 26,746 36,843 42,751 No No No No No Frmal educational credential Yes Yes Yes 47-4041 Hazardous Materials Removal Workers 28,023 37,119 42,522 No No No No High school diploma or equivalent No No No No A7-4051 Highway Maintenance Workers 27,457 34,360 36,462 No No No No High school diploma or equivalent No No No No A7-4051 Rail-Track Laying and Maintenance Equipment Operators 41,410 50,386 57,204 Yes Yes Yes Yes High school diploma or equivalent No Yes Yes Yes Yes Yes No No No No High school diploma or equivalent No Yes	47-4021	* '	-,	,	,				, ,				
47-4041 Hazardous Materials Removal Workers 28,023 37,119 42,522 No No No No High school diploma or equivalent No													
47-4051 Highway Maintenance Workers 27,657 34,360 36,462 No		Hazardous Materials Removal Workers				No	No	No					
47-4071 Septic Tank Servicers and Sewer Pipe Cleaners 28,087 43,790 51,011 No No No No High school diploma or equivalent No Yes Yes 47-4090 Miscellaneus Construction and Related Workers 29,190 39,581 43,321 No No No No High school diploma or equivalent No No No No No High school diploma or equivalent No									High school diploma or equivalent				
47-4090 Miscellaneous Construction and Related Workers 29,190 39,581 43,321 No	47-4061												
47-5011 Derrick Operators, Oil and Gas													
47-5012 Rotary Drill Operators, Oil and Gas 47-5013 Service Unit Operators, Oil and Gas 47-5022 Excavating and Loading Machine and Dragline Operators, Surface Mining 47-5022 Excavating and Loading Machine and Dragline Operators, Surface Mining 47-5023 Earth Drillers, Except Oil and Gas 48,843 65,115 75,047 Yes No No No High school diploma or equivalent Yes Yes No 47-5032 Explosives Workers, Ordnance Handling Experts, and Blasters 48,843 65,115 75,047 Yes Yes Yes High school diploma or equivalent Yes Yes Yes			29,190	39,581	43,321	INO	INO	NO	riigh school dipionia or equivalent	1 1	NO	NO	INO
47-5013 Service Unit Operators, Oil and Gas Ves No Yes No No Yes No Yes No No Yes Yes No Yes Yes Yes No Yes	47-5012									1 1			
47-5022 Excavating and Loading Machine and Dragline Operators, Surface Mining 32,793 48,469 58,679 Yes No Yes High school diploma or equivalent Yes Yes Yes 47-5023 Earth Drillers, Except Dil and Gas 32,020 45,397 47,189 Yes No No High school diploma or equivalent Yes Yes No 47-5032 Explosives Workers, Ordnance Handling Experts, and Blasters 48,843 65,115 75,047 Yes Yes Yes High school diploma or equivalent Yes Yes Yes	47-5013									1 1			
47-5032 Explosives Workers, Ordnance Handling Experts, and Blasters 48,843 65,115 75,047 Yes Yes Yes High school diploma or equivalent Yes Yes Yes						Yes	No	Yes	High school diploma or equivalent	Y	'es	Yes	Yes
47-5041 Continuous Mining Machine Operators 25,230 36,981 40,914 No No No No No Frand educational credential Yes Yes Yes													
	47-5041	Continuous Mining Machine Operators	25,230	36,981	40,914	No	No	No	No formal educational credential	Y	res	Yes	Yes

Wages - Workforce Re May 2022		Annual W	Vages (\$) by Occupat	ion	Wage Meet	ts or Exceeds All Oc	ccupation Metric		Wage Mee	ts or Exceeds Educa	tional Level Metric
, 2022	†		Average Annual	High-Level Wage	Representative	Average Annua			Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining										
47-5049 47-5051	Underground Mining Machine Operators, All Other	33.903	61.504	82.039	V	V	V	No formal advantional anadoptical	V	V	V
47-5051	Rock Splitters, Quarry Roustabouts, Oil and Gas	33,903	45.453	56.175	Yes No	Yes No	Yes Yes	No formal educational credential No formal educational credential	Yes Yes	Yes	Yes Yes
47-5071	HelpersExtraction Workers	27,003	32,268	35,401	No	No	No No		No No	No	No
47-5099	Extraction Workers, All Other	27,003	32,208	35,401	NO	INO	NO	High school diploma or equivalent	NO	NO	INO
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	39,113	67,657	82,250	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	28,427	37.983	43,597	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	35,079	53,951	66,098	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	28,051	50,313	61,761	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2091	Avionics Technicians	35,254	62,919	72,107	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	28,290	41,924	46,867	No	No	No	High school diploma or equivalent	No	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	36,825	51,691	58,453	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	35,594	52,426	63,387	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	36,696	70,241	90,896	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	30,513	40,758	44,635	No	No	No	Postsecondary nondegree award	Yes	No	No
49-2097	Audiovisual Equipment Installers and Repairers	35,107	43,293	46,454	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-2098	Security and Fire Alarm Systems Installers	29,365	43,312	53,667	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	36,651	64,416	73,182	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021 49-3022	Automotive Body and Related Repairers	28,896	46,573	52,876	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3022 49-3023	Automotive Glass Installers and Repairers	30,807	42,512	50,359	No No	No	No No	High school diploma or equivalent	Yes	Yes	Yes
49-3023	Automotive Service Technicians and Mechanics Bus and Truck Mechanics and Diesel Engine Specialists	29,124 29,659	42,078	48,206 57.622	No No	No No	No	Postsecondary nondegree award	No No	No	No
49-3031		29,659	46,905 43,744		No	No No	Yes No	Postsecondary nondegree award	No No	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians Mobile Heavy Equipment Mechanics, Except Engines			45,498	No	No		High school diploma or equivalent	No	Yes	No V
49-3042	Rail Car Repairers	37,163 34.409	57,725 49.403	66,471 54.934	Yes Yes	Yes	Yes No	Postsecondary nondegree award	Yes Yes	Yes	Yes Yes
49-3051	Motorboat Mechanics and Service Technicians	30,559	47,437	55,807	No No	No No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	27.389	42,264	54.218	No	No	No	Postsecondary nondegree award High school diploma or equivalent	No No	No	Yes
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	26,480	37,624	43,624	No	No	No	High school diploma or equivalent	No	No	No.
49-3091	Bicycle Repairers	21,555	33,600	40.133	No.	No	No	High school diploma or equivalent	No No	No	No.
49-3092	Recreational Vehicle Service Technicians	28.097	44,672	56.331	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
49-3093	Tire Repairers and Changers	28,515	30.706	31.130	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	28,666	42,301	49,945	No	No	No	High school diploma or equivalent	No	No	Yes
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	31,220	51,452	59,731	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	31,721	46,300	50.130	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	25,460	39,306	45,627	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	37.107	55,530	64.110	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	30,531	49,743	53,997	No	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
49-9044	Millwrights	41,007	49,425	50,956	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons							, ,			
49-9051	Electrical Power-Line Installers and Repairers	52,556	77,787	97,273	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	32,286	46,656	55,008	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers										
49-9062	Medical Equipment Repairers	30,550	49,027	56,515	No	Yes	Yes	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	26,213	38,589	47,345	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers										
49-9069	Precision Instrument and Equipment Repairers, All Other										
49-9071	Maintenance and Repair Workers, General	28,371	37,999	45,500	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians										
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	25,175	37,073	44,543	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	36,338	48,944	52,426	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	28,482	40,638	50,680	No	No	No	High school diploma or equivalent	No No	No	Yes
49-9095 49-9096	Manufactured Building and Mobile Home Installers	20,085	28,400	35,934	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers Signal and Track Switch Repairers	30,587 43.431	47,547 58.196	55,210 65,712	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	HelpersInstallation, Maintenance, and Repair Workers	43,431 21,853	58,196 32,394	65,712 37,350	Yes No	Yes No	Yes No	High school diploma or equivalent	Yes No	Yes No	Yes No
49-9099	Installation, Maintenance, and Repair Workers, All Other	21,853	32,394	46.390	No No	No No	No	High school diploma or equivalent	No No	No	No No
51-1011	First-Line Supervisors of Production and Operating Workers	29,073	60,682	78,721	No		Yes	High school diploma or equivalent	Yes		Yes
51-1011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	29,030	00,082	/8,/21	NO	Yes	res	Some college, no degree	res	Yes	res
51-2021	Coil Winders, Tapers, and Finishers	30,541	41,823	44,561	No	No	No	High school diploma or equivalent	Yes	No	No
21-2021	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders,	30,341	41,823	44,501	INU	NU	INU	High school diploma or equivalent	162	INU	INU
51-2028	Tapers, and Finishers	24,311	34.758	38.635	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	30.936	34,758	44.341	No	No	No	High school diploma or equivalent	Yes	No	No No
51-2041	Structural Metal Fabricators and Fitters	28,069	40,032	45,269	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	27,132	34,749	37,257	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters	,	,	,	1			J	1 1		
51-2090	Miscellaneous Assemblers and Fabricators	26,938	34,182	38,100	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	22,152	29,567	33,646	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	21,759	32,646	37,295	No	No	No	No formal educational credential	No	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	22,970	31,753	37,000	No	No	No	No formal educational credential	No	Yes	Yes
51-3023	Slaughterers and Meat Packers	24,458	25,717	26,691	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	22,869	34,041	33,426	No	No	No	No formal educational credential	No	Yes	Yes
51-3092	Food Batchmakers	20,921	30,587	34,914	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	23,071	29,420	32,580	No	No	No	High school diploma or equivalent	No	No	No
	Food Processing Workers, All Other	22,079	29,254	32,764	No	No	No	No formal educational credential	No	No	Yes
51-3099	rood riocessing workers, All Other										
51-3099	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and	22,073	-,-								

May 2022	egion 3	Annual W	/ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All Oc	cunation Metric	1	Wage Mee	ts or Exceeds Educa	tional Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annua			Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
		0 0 10				-0-				- 0-	
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic								i i		
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	28,188	38,525	41,612	No	No	No	High school diploma or equivalent	No	No	No
	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and										
51-4031	Plastic	26,167	35,383	40,519	No	No	No	High school diploma or equivalent	No	No	No
	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and										
51-4032	Plastic	27,711	51,710	76,820	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and										
51-4033	Tenders, Metal and Plastic	23,870	31,349	33,398	No	No	No	High school diploma or equivalent	No	No	No
	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and										
51-4034	Plastic	25,671	35,778	43,955	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	28,979	38,745	42,430	No	No	No	Postsecondary nondegree award	No	No	No
51-4041	Machinists	29,346	44,231	52,187	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders										
51-4052	Pourers and Casters, Metal										
51-4061	Model Makers, Metal and Plastic										
51-4062	Patternmakers, Metal and Plastic										
51-4071	Foundry Mold and Coremakers										
	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders,										
51-4072	Metal and Plastic	25,285	33,986	36,540	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	28,666	34,978	35,383	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	35,961	53,556	60,429	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	29,796	42,898	48,328	No	No	No	Postsecondary nondegree award	No	Yes	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	27,334	34,629	37,661	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	22,933	37,468	43,551	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic										
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	27,646	36,990	41,226	No	No	No	High school diploma or equivalent	No	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	25,303	33,857	35,741	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	26,893	35,897	42,108	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	29,190	41,465	45,315	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	23,294	29,298	29,130	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	24,872	35,934	42,512	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	22,235	26,450	30,289	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	21,904	26,314	27,104	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	23,624	30,900	37,187	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers										
51-6042	Shoe Machine Operators and Tenders										
51-6051	Sewers, Hand	20,259	27,380	27,913	No	No	No	No formal educational credential	No	No	No
51-6052	Tailors, Dressmakers, and Custom Sewers	26,277	32,507	34,170	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	21,206	25,395	25,956	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	25,496	30,485	33,453	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	25,359	29,162	31,753	No	No	No	High school diploma or equivalent	No	No	No
	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and								l i		
51-6064	Tenders	21,380	30,862	35,079	No	No	No	High school diploma or equivalent	No	No	No
	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and								l i		
51-6091	Glass Fibers	31,046	54,089	76,930	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers								1 1		
51-6093	Upholsterers	25,781	34,932	39,407	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	25,138	31,395	35,015	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	27,858	38,424	43,937	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	28,262	42,053	49,431	No	No	No	High school diploma or equivalent	No	No	Yes
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood								1 1		
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	30,817	35,385	40,885	No	No	No	High school diploma or equivalent	Yes	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	31,084	40,439	50,128	No	No	No	High school diploma or equivalent	Yes	No	Yes
51-7099	Woodworkers, All Other	25,303	29,962	30,283	No	No	No	High school diploma or equivalent	No	No	No
51-8011	Nuclear Power Reactor Operators	,	,	,	1	-		J	1 1		
51-8012	Power Distributors and Dispatchers	49,311	81,552	95,297	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	44,607	70,379	89,104	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	44,322	57,884	62,588	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	30.737	44,069	54,677	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	,	,			-			1 1		
51-8092	Gas Plant Operators	36.816	41.057	41,574	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	44,543	57,810	72.842	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	37,064	53,207	59,648	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	57,004	33,20,	33,040	1				1 1		
	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,								1 1		
51-9012	Operators, and Tenders	26.002	39,287	45.618	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	25,901	38,148	43,192	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	26,167	32.681	35,539	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	25,836	36,210	41,180	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	23,030	30,210	41,100	140			scrioor dipiorila or equivalent	1 100	140	140
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	26,305	35,649	40,813	No	No	No	High school diploma or equivalent	No	No	No
J. J.J.J.	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and	20,303	33,043	40,013	140			scrioor dipiorila or equivalent	1 100	140	140
51-9041	Tenders	25,469	35,116	41,511	No	No	No	High school diploms or equivalent	l No	No	No
51-9041 51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders		35,116 35,834	41,511 42,833	No No		No No	High school diploma or equivalent	No	No	
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	31,770 22,626	35,834 35,974	42,833 40,650	No No	No No	No No	High school diploma or equivalent	Yes No	No No	No No
51-9061 51-9071	Jewelers and Precious Stone and Metal Workers	22,626	35,974 44.993	40,650 52,592		No No	No No	Postsecondary nondegree award			
J_ JU/ I	Dental Laboratory Technicians	23,135	44,993 45,802	52,592 52,472	No No	No No	No No	High school diploma or equivalent Postsecondary nondegree award	No No	Yes Yes	Yes Yes
51-9081											

Wages - Workforce Region 3

Wages - Workforce Re May 2022	5,5101.5	Annual \	Wages (\$) by Occupa	tion	Wage Mee	ts or Exceeds All Occ	upation Metric	1	Wage Meets	or Exceeds Education	nal Level Metric
,		Representative	Average Annual	High-Level Wage	Representative	Average Annual			Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-9082	Medical Appliance Technicians	26,084	37,036	45,838	No	No	No	Postsecondary nondegree award	No	No	No
51-9083	Ophthalmic Laboratory Technicians	26,140	31,597	33,150	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	21,215	32,911	36,926	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	23,172	33,003	39,021	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	28,161	39,912	44,589	No	No	No	High school diploma or equivalent	No	No	No
51-9141	Semiconductor Processing Technicians										
51-9151	Photographic Process Workers and Processing Machine Operators										
51-9161	Computer Numerically Controlled Tool Operators	28,179	39,848	45,103	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	33,793	55,219	64,426	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	21,380	30,862	35,079	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	23,944	33,132	43,431	No	No	No	High school diploma or equivalent	No	No	No
51-9193 51-9194	Cooling and Freezing Equipment Operators and Tenders Etchers and Engravers	25,368	42,044	44,782	No No	No	No	High school diploma or equivalent	No	No	No
51-9194	Molders, Shapers, and Casters, Except Metal and Plastic	26,856	32,029	35,300	No No	No	No No	High school diploma or equivalent	No No	No No	No
51-9195		26,718 26,810	35,383 40,868	39,324 48,145	No No	No No	No No	High school diploma or equivalent	No No	No No	No
51-9190	Paper Goods Machine Setters, Operators, and Tenders Tire Builders	20,810	40,808	48,145	NO	INO	NO	High school diploma or equivalent	NO	NO	Yes
51-9198	HelpersProduction Workers	20,893	30.044	33,600	N-	No	No	Ulah sahasi dialama as assisalam	No	N-	No
51-9199	Production Workers All Other	20,893	33,223	36,889	No No	No.	No No	High school diploma or equivalent	No No	No No	No
53-1041	Aircraft Cargo Handling Supervisors	34,785	52,454	57,222	Yes			High school diploma or equivalent	Yes		
33-1041	First-Line Supervisors of Transportation and Material Moving Workers, Except	34,/85	52,454	57,222	res	Yes	Yes	High school diploma or equivalent	res	Yes	Yes
53-1047	Aircraft Cargo Handling Supervisors	35.792	56.788	65,520	Yes	Yes	Yes	Sama callago, no dograo	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	100.084	248.735	03,320	Yes	Yes	Yes*	Some college, no degree Bachelor's degree	Yes	Yes	Yes*
53-2011	Commercial Pilots	42,554	124.585	150.591	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2012	Air Traffic Controllers	73.466	116.098	144,480	Yes	Yes	Yes		Yes	Yes	Yes
53-2022	Airfield Operations Specialists	73,466	116,098	144,480	Yes	Yes		Associate's degree	Yes		Yes
53-2022	Flight Attendants	75,400	110,056	144,460	res	res	Yes	Some college, no degree	res	Yes	162
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	23.659	28.170	29.907	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	19,111	30,568	37,863	No	No	No	High school diploma or equivalent	No No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	34,116	49,231	57,355	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	23.344	45,726	55,582	No	No	Yes	High school diploma or equivalent	No.	Yes	Yes
53-3051	Bus Drivers, School	20,800	35.083	40.640	No	No	No.	High school diploma or equivalent	No.	No.	No.
53-3052	Bus Drivers, Transit and Intercity	26,847	38,369	48,191	No	No	No	High school diploma or equivalent	No.	No	Yes
53-3053	Shuttle Drivers and Chauffeurs	24,103	28,706	29,213	No	No	No	High school diploma or equivalent	No	No	No
53-3054	Taxi Drivers	19,175	29,116	29,346	No	No	No	No formal educational credential	No	No	No
53-3099	Motor Vehicle Operators, All Other	20,535	28,887	32,222	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	,	,	7-,					1		
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers										
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	35,952	54,365	56,864	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	58,224	65,721	68,275	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	26,847	38,369	48,191	No	No	No	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other										
53-5011	Sailors and Marine Oilers	26,755	41,842	46,160	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	34,354	79,236	116,300	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators										
53-5031	Ship Engineers	66,677	90,308	100,506	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	22,124	29,438	33,426	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	19,543	25,019	26,562	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	23,796	30,998	30,362	No	No	No	No formal educational credential	Yes	Yes	No
53-6032	Aircraft Service Attendants	27,380	33,968	34,326	No	No	No	High school diploma or equivalent	No	No	No
53-6041	Traffic Technicians	28,152	43,688	50,102	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	36,935	78,566	99,119	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	19,552	29,943	34,997	No	No	No	High school diploma or equivalent	No	No	No
53-6099	Transportation Workers, All Other	19,111	28,244	29,925	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	27,141	31,818	32,902	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7021	Crane and Tower Operators	33,674	58,169	70,728	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	32,810	43,486	45,287	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
53-7041	Hoist and Winch Operators	29,640	46,445	47,593	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	34,305	37,844	37,558	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	22,974	28,296	29,995	No	No	No	No formal educational credential	No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	25,851	34,291	37,294	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	26,682	34,528	37,312	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7064	Packers and Packagers, Hand	20,682	24,752	26,140	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	24,339	31,877	36,143	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators							1	—		
53-7072	Pump Operators, Except Wellhead Pumpers	30,155	42,411	47,612	No	No	No	High school diploma or equivalent	Yes	No	No
53-7073	Wellhead Pumpers							1	H		
53-7081	Refuse and Recyclable Material Collectors	21,903	33,365	40,930	No	No	No	No formal educational credential	No	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	39,839	55,522	56,377	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
53-7199	Material Moving Workers, All Other	25,937	34,914	36,549	No	No	No	No formal educational credential	Yes	Yes	Yes

 $[\]ensuremath{^{*}}$ indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

Summary - Workforce Region 3

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	31,871	48,531	55,108	760
No formal educational credential	23,410	30,024	32,689	76
High school diploma or equivalent	29,561	42,494	48,087	205
Some college, no degree	24,997	36,482	40,997	47
Postsecondary nondegree award	30,303	42,605	48,673	83
Associate's degree	34,198	52,191	60,837	63
Bachelor's degree	40,356	70,997	82,609	179
Master's degree	46,291	70,918	84,017	38
Doctoral or professional degree	64,519	117,709	126,392	69

	Representative	Starting Wage	Average Ar	nnual Wage	High-Level Wa	age Threshold
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric
All Occupations	476	284	417	343	413	347
No formal educational credential	51.32%	48.68%	36.84%	63.16%	39.47%	60.53%
High school diploma or equivalent	78.05%	21.95%	78.54%	21.46%	76.59%	23.41%
Some college, no degree	25.53%	74.47%	19.15%	80.85%	19.15%	80.85%
Postsecondary nondegree award	55.42%	44.58%	34.94%	65.06%	39.76%	60.24%
Associate's degree	57.14%	42.86%	42.86%	57.14%	39.68%	60.32%
Bachelor's degree	57.54%	42.46%	53.63%	46.37%	53.07%	46.93%
Master's degree	71.05%	28.95%	60.53%	39.47%	57.89%	42.11%
Doctoral or professional degree	76.81%	23.19%	63.77%	36.23%	60.87%	39.13%

Wages - Workforce R	egion 4											
May 2022			/ages (\$) by Occupat Average Annual	ion High-Level Wage	Wage Mee Representative	ts or Exceeds All C Average Annu	Occupation Metric			Wage Meets Representative	or Exceeds Educa Average Annu	ational Level Metric
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
						•		·			•	
11-1011	Chief Executives	27,993	254,944	*	No	Yes	Yes*	Bachelor's degree		No	Yes	Yes*
11-1021 11-1031	General and Operations Managers Legislators	37,491 20.800	93,665 69,591	116,304 102.842	Yes No	Yes	Yes Yes	Bachelor's degree Bachelor's degree		No No	Yes No	Yes Yes
11-1031	Advertising and Promotions Managers	50,707	109,591	132,122	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2021	Marketing Managers	61,561	148,034	185,813	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2022	Sales Managers	56,946	121,473	152,270	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2032	Public Relations Managers	57,271	105,892	123,278	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2033	Fundraising Managers	62,152	118,071	143,758	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3012	Administrative Services Managers	54,131	96,979	110,171	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3013 11-3021	Facilities Managers Computer and Information Systems Managers	57,704 76.418	84,884 137.633	103,843 168,908	Yes	Yes Yes	Yes Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes Yes
11-3031	Financial Managers	61,830	113,555	132,604	Yes Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3051	Industrial Production Managers	35,023	99,768	131,145	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-3061	Purchasing Managers	69,298	106,243	126,381	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	46,180	88,901	101,773	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	69,798	116,362	145,734	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3121 11-3131	Human Resources Managers Training and Development Managers	74,979 59,594	112,686 110.033	142,519 130,824	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	23,072	84,785	130,824	Yes No	Yes	Yes Yes	Bachelor's degree Bachelor's degree		No Yes	Yes	Yes Yes
11-9021	Construction Managers	57.328	105.676	127.581	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	28,988	45,149	48,123	No	No	No	Bachelor's degree		No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	57,561	79,225	80,002	Yes	Yes	Yes	Master's degree		Yes	No	No
11-9033	Education Administrators, Postsecondary	74,950	98,581	100,083	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
11-9039	Education Administrators, All Other	44,720	76,796	91,506	Yes	Yes	Yes	Master's degree		No	No	No
11-9041	Architectural and Engineering Managers	95,796	146,792	164,913	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9051 11-9071	Food Service Managers Gambling Managers	34,986 58,897	62,750 113,059	75,442 114,252	Yes Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes Yes
11-9071	Entertainment and Recreation Managers, Except Gambling	40,175	70,328	89,661	Yes	Yes	Yes Yes	Some college, no degree Bachelor's degree		No	No Yes	Yes No
11-9081	Lodging Managers	34,786	68,989	78,388	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9111	Medical and Health Services Managers	53,993	103.471	116,448	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9121	Natural Sciences Managers	47,778	90,820	122,658	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	72,586	87,945	96,221	Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	36,645	67,798	76,955	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9151	Social and Community Service Managers	38,165	69,507	81,973	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9161	Emergency Management Directors	47,824	85,902	102,664	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9171 11-9179	Funeral Home Managers Personal Service Managers, All Other	44,693 45,772	77,234 74,810	78,256 90,054	Yes Yes	Yes	Yes Yes	Associate's degree Bachelor's degree		Yes	Yes No	Yes No
11-9199	Managers, All Other	45,772	96.583	124.072	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		No No	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	28,628	91,830	149,610	No	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-1020	Buyers and Purchasing Agents	34,965	67,494	87,298	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	45,551	74,304	83,866	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	47,213	65,665	75,067	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
13-1041 13-1051	Compliance Officers	33,935	59,842	74,341	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1051	Cost Estimators Human Resources Specialists	35,340 34,992	66,219 60,954	77,089 72,061	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		No No	No No	No No
13-1074	Farm Labor Contractors	34,332	00,554	72,001	ies	ies	res	bactieioi s degree		NU	INU	NU
13-1075	Labor Relations Specialists	39,128	74,466	95,323	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
13-1081	Logisticians	46,804	77,377	97,885	Yes	Yes	Yes	Bachelor's degree		Yes	No	Yes
13-1082	Project Management Specialists	48,317	85,217	99,709	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1111	Management Analysts	39,593	83,628	101,570	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	31,937	48,487	51,001	No	No	No	Bachelor's degree		No	No	No
13-1131	Fundraisers Compensation, Benefits, and Job Analysis Specialists	31,654 38,778	57,713 57,537	73,445 69.649	No Yes	Yes	Yes Yes	Bachelor's degree		No No	No No	No No
13-1141	Training and Development Specialists	38,778	60.345	75,006	No Yes	Yes	Yes	Bachelor's degree Bachelor's degree	+	No	No No	No No
13-1161	Market Research Analysts and Marketing Specialists	31,309	67.074	77,224	No	Yes	Yes	Bachelor's degree		No	No	No
13-1199	Business Operations Specialists, All Other	35,320	73,266	95,222	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
13-2011	Accountants and Auditors	40,847	74,311	83,865	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2020	Property Appraisers and Assessors	31,914	60,174	61,945	No	Yes	Yes	Bachelor's degree		No	No	No
13-2031	Budget Analysts	54,593	76,062	89,276	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
13-2041	Credit Analysts	47,929	81,368	96,039	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-2051 13-2052	Financial and Investment Analysts Personal Financial Advisors	37,521 41.845	72,643 124.424	115,402 128.630	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		No No	No Yes	Yes Yes
13-2052	Insurance Underwriters	41,845	69.254	128,630 81.558	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes No	Yes No
13-2054	Financial Risk Specialists	51,929	104.974	122.051	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-2061	Financial Examiners	36,894	60,674	70,597	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2071	Credit Counselors	32,551	46,927	47,232	Yes	No	No	Bachelor's degree		No	No	No
13-2072	Loan Officers	38,266	55,299	58,342	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	30,347	44,909	47,572	No	No	No	Bachelor's degree		No	No	No
13-2082 13-2099	Tax Preparers Financial Specialists, All Other	22,804	41,987	61,631	No	No	Yes	Postsecondary nondegree award	-	No	No	Yes
13-2099	Computer Systems Analysts	36,154 46.853	71,116 87.473	86,070 104.624	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		No Yes	No Yes	No Yes
15-1211	Information Security Analysts	57,365	105,962	131,942	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	66,560	100,842	122,179	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
15-1231	Computer Network Support Specialists	46,499	65,873	70,683	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1232	Computer User Support Specialists	31,432	52,451	62,969	No	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
15-1241	Computer Network Architects	62,112	107,356	141,446	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1242	Database Administrators	53,197	97,882	126,011	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1243	Database Architects	70,638	126,356	151,137	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes

Wages - Workforce Re May 2022	egion 4	Annual M	/ages (\$) by Occupat	ion	Wage Mee	ts or Evenode All (Occupation Metric	1		Wago Moots	or Exceeds Educati	anal Lavel Matris
way 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annual	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	\perp	Starting Wage	Wage	Threshold
15-1244 15-1251	Network and Computer Systems Administrators	50,026	79,240	93,965	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1251	Computer Programmers Software Developers	46,007 55.968	87,968 103,568	106,018 129.870	Yes Yes	Yes Yes	Yes Yes	Bachelor's degree		Yes	Yes	Yes Yes
15-1252	Software Developers Software Quality Assurance Analysts and Testers	55,908	88.692	102,680	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
15-1254	Web Developers	50,403	115.467	124.118	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1255	Web and Digital Interface Designers	42,539	74.917	93,980	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1299	Computer Occupations, All Other	50,630	88,271	99,944	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2011	Actuaries	67,765	119,646	128,972	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2021	Mathematicians	38,183	90,732	124,772	Yes	Yes	Yes	Master's degree		No	Yes	Yes
15-2031	Operations Research Analysts	33,946	98,564	122,678	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
15-2041	Statisticians	38,870	80,012	96,917	Yes	Yes	Yes	Master's degree		No	No	Yes
15-2051	Data Scientists	49,442	94,937	100,847	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2099	Mathematical Science Occupations, All Other											
17-1011	Architects, Except Landscape and Naval	48,702	98,392	104,000	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-1012	Landscape Architects	36,503	63,918	73,406	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1021 17-1022	Cartographers and Photogrammetrists	42,240	65,703	77,272	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1022	Surveyors Aerospace Engineers	38,601	63,346	84,712	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2011	Agricultural Engineers	73,826	110,596	128,714	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2021	Bioengineers and Biomedical Engineers	56,768	94,312	118,138	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2041	Chemical Engineers	64,319	104,172	128.141	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2041	Civil Engineers	37,041	85,806	103,168	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
17-2061	Computer Hardware Engineers	66,560	99,739	122,533	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2071	Electrical Engineers	56,773	91,858	105,767	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	75,691	106,666	122,678	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2081	Environmental Engineers	33,964	84,466	107,578	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	47,795	81,377	99,705	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2112	Industrial Engineers	50,527	97,220	104,704	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	49,189	74,466	87,572	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2131	Materials Engineers	54,258	88,670	108,630	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2141 17-2151	Mechanical Engineers	68,266	99,842	122,533	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers Nuclear Engineers	44,330 77.416	92,336 111.580	103,857 120.934	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		No Yes	Yes	Yes Yes
17-2101	Petroleum Engineers	//,410	111,580	120,934	res	res	res	Bacrielor's degree		res	res	res
17-2171	Engineers. All Other	62.687	117.308	139.922	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	36,468	56,434	66,926	Yes	Yes	Yes	Associate's degree		No	No	Yes
17-3012	Electrical and Electronics Drafters	44,158	55,928	65,751	Yes	Yes	Yes	Associate's degree		Yes	No	Yes
17-3013	Mechanical Drafters	36,400	53,267	62,430	Yes	Yes	Yes	Associate's degree		No	No	No
17-3019	Drafters, All Other	34,899	52,940	60,195	Yes	Yes	Yes	Associate's degree		No	No	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	34,689	74,590	101,986	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	31,699	45,198	46,855	No	No	No	Associate's degree		No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	47,507	79,112	89,175	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	43,882	67,946	76,747	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	30,680	37,343	34,246	No	No	No	Associate's degree		No	No	No
17-3026	Industrial Engineering Technologists and Technicians	37,801	57,494	64,214	Yes	Yes	Yes	Associate's degree		No	Yes	No
17-3027	Mechanical Engineering Technologists and Technicians	51,953	68,521	84,519	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3028 17-3029	Calibration Technologists and Technicians	37,324 42,579	60,625 78,395	76,957 96,262	Yes	Yes	Yes Yes	Associate's degree		No Yes	Yes	Yes Yes
17-3029	Engineering Technologists and Technicians, Except Drafters, All Other Surveying and Mapping Technicians	29,833	44,323	48,542	Yes No	No	No No	Associate's degree Associate's degree		No	No	No
19-1011	Animal Scientists	25,055	44,323	40,342	INO	140	NO	Associate's degree		NO	INU	NO
19-1012	Food Scientists and Technologists	37.877	75,211	103.609	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
19-1013	Soil and Plant Scientists	38,040	79,277	98,874	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
19-1021	Biochemists and Biophysicists	38,278	83,830	105,652	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-1022	Microbiologists	34,756	57,160	70,018	Yes	Yes	Yes	Master's degree		No	No	No
19-1023	Zoologists and Wildlife Biologists	33,093	56,507	58,365	Yes	Yes	Yes	Master's degree		No	No	No
19-1029	Biological Scientists, All Other	33,280	60,361	84,989	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1031	Conservation Scientists	31,138	51,390	81,661	No	Yes	Yes	Bachelor's degree		No	No	No
19-1032	Foresters	30,002	61,675	89,482	No	Yes	Yes	Bachelor's degree		No	No	No
19-1041	Epidemiologists	55,251	83,153	97,853	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-1042	Medical Scientists, Except Epidemiologists	52,654	94,646	118,758	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-1099 19-2011	Life Scientists, All Other Astronomers	53,847	82,694	88,374	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
19-2011 19-2012	Astronomers Physicists	74,361 74,361	152,101 152,101	213,365 213,365	Yes Yes	Yes	Yes Yes	Doctoral or professional degree		Yes	No No	Yes Yes
19-2012	Atmospheric and Space Scientists	74,361 59.756	152,101 80.136	213,365 86.331	Yes	Yes	Yes Yes	Doctoral or professional degree Bachelor's degree		Yes	No Yes	Yes No
19-2021	Chemists	45,945	87.403	108.347	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
19-2032	Materials Scientists	65,741	110,873	129.707	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	33,280	53,531	59,134	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	46,048	88,002	106,024	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-2043	Hydrologists	41,371	65,111	77,654	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2099	Physical Scientists, All Other	81,994	120,342	150,946	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-3011	Economists	57,828	91,839	111,962	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
19-3022	Survey Researchers	50,497	96,202	122,004	Yes	Yes	Yes	Master's degree		No	Yes	Yes
19-3032	Industrial-Organizational Psychologists	71,049	122,271	147,958	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	No
19-3033	Clinical and Counseling Psychologists	35,672	89,959	118,348	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3034	School Psychologists	38,002	66,163	94,389	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3039	Psychologists, All Other	47,013	96,001	115,159	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3041	Sociologists Lichan and Regional Planners	28,017	56,033	48,540	No You	Yes	No	Master's degree		No	No	No No
19-3051	Urban and Regional Planners	47,272	69,017	86,560	Yes	Yes	Yes	Master's degree	1	No	No	No

Wages - Workforce Re Way 2022	gion 4	Annual W	ages (\$) by Occupat	ion	Wage Meet	s or Evenode All (Occupation Metric		1 1	Wago Monte	or Exceeds Educati	anal Laval Matric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu			 	Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
19-3091 19-3092	Anthropologists and Archeologists	38,240	60,205	71,220	Yes	Yes	Yes	Master's degree		No	No	No
19-3092	Geographers Historians	53,847 34.365	82,694 68.643	88,374 93,433	Yes Yes	Yes Yes	Yes Yes	Master's degree		res No	No No	No No
19-3093	Political Scientists	34,363	91.686	124.476	Yes	Yes	Yes	Master's degree Master's degree		No.	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	58,365	79,948	89,939	Yes	Yes	Yes	Bachelor's degree		res	Yes	No
19-4012	Agricultural Technicians	28.685	38.154	44.292	No.	No	No	Associate's degree		No	No	No
19-4013	Food Science Technicians	31,100	50,382	69,407	No	No	Yes	Associate's degree		No	No	Yes
19-4021	Biological Technicians	32,677	44,144	52,400	Yes	No	No	Bachelor's degree		No	No	No
19-4031	Chemical Technicians	32,240	66,783	98,270	Yes	Yes	Yes	Associate's degree	1	No	Yes	Yes
19-4042	Environmental Science and Protection Technicians, Including Health	28,605	42,477	58,051	No	No	Yes	Associate's degree	1	No	No	No
19-4043	Geological Technicians, Except Hydrologic Technicians	30,222	38,861	42,459	No	No	No	Associate's degree	1	No	No	No
19-4044	Hydrologic Technicians	34,470	53,876	64,433	Yes	Yes	Yes	Associate's degree	1	No	No	No
19-4051	Nuclear Technicians	37,324	60,625	76,957	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
19-4061	Social Science Research Assistants	29,372	47,079	54,067	No	No	No	Bachelor's degree		No	No	No
19-4071	Forest and Conservation Technicians	32,474	45,037	53,590	Yes	No	No	Associate's degree		No	No	No
19-4092 19-4099	Forensic Science Technicians	35,815	58,219	71,469	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	27,040	55,627	75,026	No V	Yes	Yes	Bachelor's degree		No.	No	No
19-5012	Occupational Health and Safety Specialists Occupational Health and Safety Technicians	39,931 38,507	72,606 59,508	87,485 66,343	Yes Yes	Yes	Yes Yes	Bachelor's degree		No /es	No Yes	No Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	27,265	57,698	74,535	No	Yes	Yes	Postsecondary nondegree award Master's degree		No	No	No
21-1013	Marriage and Family Therapists	30,147	52,332	52,180	No	Yes	No	Master's degree		No	No	No
21-1015	Rehabilitation Counselors	20.836	40.454	43,576	No	No	No	Master's degree		No.	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	31,912	56,004	66,135	No	Yes	Yes	Bachelor's degree		No	No	No
21-1019	Counselors, All Other	29,048	40,722	43,834	No	No	No	Master's degree		No	No	No
21-1021	Child, Family, and School Social Workers	29,739	48,659	61,094	No	No	Yes	Bachelor's degree	1	No	No	No
21-1022	Healthcare Social Workers	20,800	55,580	64,167	No	Yes	Yes	Master's degree	1	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	28,820	47,499	57,051	No	No	No	Bachelor's degree	1	No	No	No
21-1029	Social Workers, All Other	33,509	52,992	53,664	Yes	Yes	No	Bachelor's degree		No	No	No
21-1091	Health Education Specialists	31,200	51,104	61,069	No	Yes	Yes	Bachelor's degree		No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	31,228	38,302	43,659	No	No	No	Bachelor's degree		No	No	No
21-1093 21-1094	Social and Human Service Assistants	23,632	38,201	46,904	No	No	No	Some college, no degree		No	Yes	Yes
21-1094	Community Health Workers	31,974 29,317	46,132 38.277	59,058 44,990	No No	No No	Yes No	Bachelor's degree		No No	No No	No No
21-2011	Community and Social Service Specialists, All Other Clergy	29,317	48.126	56,435	No No	No	No	Bachelor's degree Master's degree		NO No	No	No
21-2011	Directors, Religious Activities and Education	28,408	51,490	61,904	No	Yes	Yes	Bachelor's degree		No.	No	No
21-2021	Religious Workers, All Other	27,969	46,239	58.257	No.	No	Yes	Bachelor's degree		No.	No	No
23-1011	Lawyers	53,040	107,955	126,559	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
23-1012	Judicial Law Clerks	35,672	54,076	60,634	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	40,703	89,462	111,093	Yes	Yes	Yes	Doctoral or professional degree	1	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators											
23-1023	Judges, Magistrate Judges, and Magistrates	40,703	89,462	111,093	Yes	Yes	Yes	Doctoral or professional degree	1	No	No	No
23-2011	Paralegals and Legal Assistants	31,820	47,786	48,383	No	No	No	Associate's degree		No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	30,269	51,098	59,661	No	Yes	Yes	High school diploma or equivalent		/es	Yes	Yes
23-2099	Legal Support Workers, All Other	27,040	53,049	55,162	No	Yes	No	Associate's degree		No	No	No
25-1011	Business Teachers, Postsecondary	45,247	81,969	93,624	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1021 25-1022	Computer Science Teachers, Postsecondary	46,048 46,551	86,961 65.002	107,761 70.509	Yes	Yes	Yes	Doctoral or professional degree		No.	No No	No No
25-1022	Mathematical Science Teachers, Postsecondary Architecture Teachers, Postsecondary	37,047	98,302	123,254	Yes Yes	Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree		No No	No	No
25-1031	Engineering Teachers, Postsecondary	44,922	86,226	118,624	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1032	Agricultural Sciences Teachers, Postsecondary	42,898	59,517	72,366	Yes	Yes	Yes	Doctoral or professional degree		No.	No	No
25-1042	Biological Science Teachers, Postsecondary	50,258	85,214	95,543	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	42.898	59,517	72,366	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	44,693	61,417	59,508	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1052	Chemistry Teachers, Postsecondary	38,126	77,988	93,672	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1053	Environmental Science Teachers, Postsecondary	42,517	69,111	86,159	Yes	Yes	Yes	Doctoral or professional degree	1	No	No	No
25-1054	Physics Teachers, Postsecondary	45,800	61,560	60,835	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	44,693	81,434	95,677	Yes	Yes	Yes	Doctoral or professional degree	1	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	46,421	64,004	73,483	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1063	Economics Teachers, Postsecondary	44,913	56,873	52,215	Yes	Yes	No	Doctoral or professional degree		No	No	No
25-1064	Geography Teachers, Postsecondary	44,693	61,417	59,508	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1065	Political Science Teachers, Postsecondary	43,366	61,064	56,386	Yes	Yes	No	Doctoral or professional degree		No	No	No
25-1066 25-1067	Psychology Teachers, Postsecondary	45,552 45,743	78,208 96.326	88,956 115.045	Yes	Yes	Yes Yes	Doctoral or professional degree		No No	No No	No No
25-1067	Sociology Teachers, Postsecondary Social Sciences Teachers, Postsecondary, All Other	45,743 44,283	96,326 62.314	73.321	Yes Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree		NO No	No No	No No
25-1009	Health Specialties Teachers, Postsecondary	44,283 36.481	69,362	73,321	Yes	Yes	Yes	Bachelor's degree		NO No	No	No No
25-1071	Nursing Instructors and Teachers, Postsecondary	47,748	71,975	79,785	Yes	Yes	Yes	Master's degree		No.	No	No
25-1072	Education Teachers, Postsecondary	36,216	71,335	81,893	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1082	Library Science Teachers, Postsecondary	46,278	70,886	78,112	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	40,837	55,623	58,162	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1112	Law Teachers, Postsecondary	43,318	134,948	199,543	Yes	Yes	Yes	Doctoral or professional degree		No	No	Yes
25-1113	Social Work Teachers, Postsecondary	· ·										
25-1121	Art, Drama, and Music Teachers, Postsecondary	44,836	83,601	94,054	Yes	Yes	Yes	Master's degree		No	Yes	No
25-1122	Communications Teachers, Postsecondary	43,891	76,499	94,894	Yes	Yes	Yes	Doctoral or professional degree	1	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	42,450	65,608	75,144	Yes	Yes	Yes	Doctoral or professional degree	1	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	39,242	64,882	75,335	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1125	History Teachers, Postsecondary	40,149	53,160	46,783	Yes	Yes	No	Doctoral or professional degree		No	No	No
25-1126 25-1192	Philosophy and Religion Teachers, Postsecondary	43,519	64,405	75,487	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
	Family and Consumer Sciences Teachers, Postsecondary	36,216	71,335	81,893	Yes	Yes	Yes	Master's degree	1 1 1	No	No	No

Wages - Workforce Region 4

Nages - Workforce Re Nay 2022	9.4	Annu	al Wages (\$) by Occupa	ition	Wage Mee	ts or Exceeds All Occu	pation Metric		T = T	Wage Meets	or Exceeds Education	nal Level Metric
•		Representative	Average Annual	High-Level Wage	Representative	Average Annual	High-Level Wage		F	Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	۶	Starting Wage	Wage	Threshold
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	42,049	71,745	75,678	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	29,377	39,554	42,304	No	No	No	Master's degree		No	No	No
25-1199 25-2011	Postsecondary Teachers, All Other	22.461	31.870	35.807	No	No	No	Accordately decree		No	N-	N-
25-2011	Preschool Teachers, Except Special Education Kindergarten Teachers, Except Special Education	22,461 46,950	31,870 51,751	35,807 59,925	Yes	Yes	Yes	Associate's degree		Yes	No No	No No
25-2012	Elementary School Teachers, Except Special Education	46,722	51,751	59,925	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	46,722	51,072	58,769	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	45,504	62,887	71,268	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	46,953	52,742	60.059	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2032	Career/Technical Education Teachers, Secondary School	47,447	52,474	59,416	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2051	Special Education Teachers, Preschool	36,742	45,963	46,145	Yes	No	No	Bachelor's degree		No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	47,260	49,719	47,260	Yes	No	No	Bachelor's degree		Yes	No	No
25-2057	Special Education Teachers, Middle School	44,941	60,816	75,010	Yes	Yes	Yes	Bachelor's degree	,	Yes	No	No
25-2058	Special Education Teachers, Secondary School	47,174	50,552	59,471	Yes	No	Yes	Bachelor's degree	,	Yes	No	No
25-2059	Special Education Teachers, All Other	23,492	27,677	28,418	No	No	No	Bachelor's degree	1	No	No	No
	Adult Basic Education, Adult Secondary Education, and English as a Second											
25-3011	Language Instructors	35,682	54,907	70,705	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-3021	Self-Enrichment Teachers	21,906	39,008	50,304	No	No	No	Some college, no degree		No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	25,081	26,242	25,716	No	No	No	Bachelor's degree		No	No	No
25-3041	Tutors	23,247	36,912	41,028	No	No	No	Bachelor's degree		No	No	No
25-3099	Teachers and Instructors, All Other	48,336	66,715	76,504	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-4011	Archivists	28,036	44,893	53,609	No	No	No	Master's degree		No	No	No
25-4012	Curators	30,079	53,981	67,507	No	Yes	Yes	Master's degree		No	No	No
25-4013 25-4022	Museum Technicians and Conservators	28,542	45,046	53,704	No	No	No	Bachelor's degree		No	No	No
	Librarians and Media Collections Specialists	45,488	63,415	74,688	Yes	Yes	Yes	Master's degree		No	No	No
25-4031	Library Technicians	23,625	35,205	43,127	No	No	No	Associate's degree		No	No	No
25-9021	Farm and Home Management Educators	29,172	45,010	56,671	No	No	No	Master's degree		No	No	No
25-9031 25-9044	Instructional Coordinators	43,166 20,227	70,287 31.424	81,828 39.099	Yes	Yes No	Yes No	Master's degree		No	No	No
25-9045 25-9045	Teaching Assistants, Postsecondary Teaching Assistants, Except Postsecondary	20,227	26.652	39,099 28.290	No	No No		Bachelor's degree		No	No	No
25-9045 25-9099	Educational Instruction and Library Workers, All Other	22,869	26,652 46.230	28,290 60.472	No No	No No	No Yes	Some college, no degree		No	No No	No No
27-1011	Art Directors	23,215 47,413	46,230 84.737	95.524			Yes	Bachelor's degree		No		
27-1011	Craft Artists	20,294	32,770	37,791	Yes No	Yes No	No.	Bachelor's degree Some college, no degree		Yes No	Yes No	Yes No
27-1012		20,294	45.103	45.447	No No	No	No No			No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators Special Effects Artists and Animators	44,187	63,259	72,605	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		No	No	No
27-1014	Artists and Related Workers, All Other	25,267	48,635	56,558	No	No	No			No	Yes	Yes
27-1015	Commercial and Industrial Designers	21,755	56.301	71.612	No	Yes	Yes	Some college, no degree Bachelor's degree		No	No	No
27-1021	Fashion Designers	35,730	64,519	75,869	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1023	Floral Designers	22.717	32,236	33,311	No	No.	No.	High school diploma or equivalent		No	No	No
27-1024	Graphic Designers	32,203	50.385	58,960	Yes	No	Yes	Bachelor's degree		No	No	No
27-1025	Interior Designers	30,733	49.250	60,285	No.	No	Yes	Bachelor's degree		No	No	No
27-1026	Merchandise Displayers and Window Trimmers	27,579	37,099	41,072	No	No	No	Some college, no degree		Yes	No	No
27-1027	Set and Exhibit Designers	34,832	44,034	45,590	Yes	No	No	Bachelor's degree		No	No	No
27-1029	Designers, All Other	27,797	58.448	72.003	No	Yes	Yes	Bachelor's degree		No	No	No
27-2011	Actors	28,752	32,789	30,632	No	No	No	Some college, no degree	,	Yes	No	No
27-2012	Producers and Directors	31,865	68,467	95,222	No	Yes	Yes	Bachelor's degree	1	No	No	Yes
27-2021	Athletes and Sports Competitors	24,237	61,837	61,493	No	Yes	Yes	Some college, no degree	1	No	Yes	Yes
27-2022	Coaches and Scouts	22,354	47,250	62,005	No	No	Yes	Bachelor's degree	1	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	20,256	44,216	44,445	No	No	No	Some college, no degree	1	No	Yes	Yes
27-2031	Dancers	28,752	32,789	30,632	No	No	No	High school diploma or equivalent	1	No	No	No
27-2032	Choreographers											
27-2041	Music Directors and Composers	30,308	66,973	79,516	No	Yes	Yes	Bachelor's degree	1	No	No	No
27-2042	Musicians and Singers	28,752	32,789	30,632	No	No	No	Some college, no degree		Yes	No	No
27-2091	Disc Jockeys, Except Radio	21,191	57,942	57,379	No	Yes	No	Bachelor's degree		No	No	No
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	21,191	57,942	57,379	No	Yes	No	Some college, no degree		No	Yes	Yes
27-3011	Broadcast Announcers and Radio Disc Jockeys	21,191	57,942	57,379	No	Yes	No	Bachelor's degree		No	No	No
27-3023	News Analysts, Reporters, and Journalists	33,071	52,455	61,694	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3031	Public Relations Specialists	30,292	60,130	70,259	No	Yes	Yes	Bachelor's degree		No	No	No
27-3041	Editors	36,953	68,551	81,991	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3042	Technical Writers	52,862	76,304	83,705	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
27-3043	Writers and Authors	33,460	50,644	49,008	Yes	No	No	Bachelor's degree		No	No	No
27-3091 27-3092	Interpreters and Translators	38,398	51,553	60,830	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3092	Court Reporters and Simultaneous Captioners Media and Communication Workers, All Other	32,781	50,714	62,005	Yes No	Yes No	Yes No	Postsecondary nondegree award		Yes No	Yes	Yes
27-4011	Audio and Video Technicians	20,189 34,853	45,084 53,456	55,795 58,543	No Yes	No Yes	No Yes	Associate's degree		No No	No No	No No
27-4011	Broadcast Technicians	34,853 26,014	42,792	58,543 52,073	No	No	Yes No	Associate's degree Associate's degree		No	No No	No
27-4012	Sound Engineering Technicians	25,014	64.682	96.249	No No		Yes			No	Yes	Yes
27-4014	Lighting Technicians	25,812	47.041	96,249 57.895	No No	Yes No	Yes	Associate's degree Associate's degree		No	Yes No	No
27-4013	Photographers	26,232	41,610	49.972	No No	No No	nes No			No	Yes	Yes
27-4021	Camera Operators, Television, Video, and Film	29,019	56.367	49,972 62.257	No	Yes	Yes	Some college, no degree Bachelor's degree		No	No	No.
27-4032	Film and Video Editors	31.654	50,367	62,257	No No	Yes	Yes	Bachelor's degree		No	No	No
27-4099	Media and Communication Equipment Workers, All Other	63,193	82,868	92,581	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
29-1011	Chiropractors	32,205	80,377	95,511	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
29-1021	Dentists, General	94,586	162.861	179,723	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree		Yes	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	50,144	216,983	1/3,/23	Yes	Yes	Yes*	Doctoral or professional degree Doctoral or professional degree		No	Yes	Yes*
29-1023	Orthodontists	67.211	163.165	203.228	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree		Yes	Yes	Yes
29-1024	Prosthodontists	07,211	103,103	203,220					+++			
	*** ***	50 144	216 092	*	Ves	Ves	Vec*	Doctoral or professional degree	+ +,	No	Ves	Yes*
29-1029	Dentists, All Other Specialists	50,144	216,983	*	Yes	Yes	Yes*	Doctoral or professional degree	N	No	Yes	Ye

Wages - Workforce Re May 2022	egion 4	Annual M	Vages (\$) by Occupat	tion	Waga Maa	ts or Exceeds All C	Occupation Matric	1	Maga M	ets or Exceeds Educa	tional Loyal Matris
iviay 2022			Average Annual	High-Level Wage	Representative	Average Annu			Representativ		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage		Threshold
29-1031 29-1041	Dietitians and Nutritionists Optometrists	44,731 68.994	62,579 130,391	72,771 138,206	Yes	Yes	Yes	Bachelor's degree	Yes	No No	No No
29-1041	Pharmacists	71,460	118.819	138,206	Yes Yes	Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree	Yes Yes	No	No
29-1071	Physician Assistants	36,854	93.857	119.886	Yes	Yes	Yes	Master's degree	No.	Yes	Yes
29-1081	Podiatrists	29,563	124,810	177,655	No	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1122	Occupational Therapists	72,062	89,607	97,543	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	52,258	92,014	99,822	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124 29-1125	Radiation Therapists	71,427 29.086	84,679 51.814	92,039 60,262	Yes No	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1126	Recreational Therapists Respiratory Therapists	48,535	64,175	72,714	Yes	Yes	Yes Yes	Bachelor's degree	No Yes	No Yes	No Yes
29-1127	Speech-Language Pathologists	72.645	92,600	100.341	Yes	Yes	Yes	Associate's degree Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	37,820	50,640	54,153	Yes	No	No	Master's degree	No	No	No
29-1129	Therapists, All Other	33,840	59,269	73,406	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	59,585	107,725	132,992	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	58,540	74,213	77,219	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151 29-1161	Nurse Anesthetists Nurse Midwives	143,599 87,566	195,778 152,342	208,001 155,192	Yes Yes	Yes	Yes Yes	Master's degree	Yes Yes	Yes	Yes Yes
29-1171	Nurse Practitioners	80.281	107.699	119.047	Yes	Yes	Yes	Master's degree Master's degree	Yes	Yes	Yes
29-1181	Audiologists	59,174	90,713	102,549	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	99,275	286,352	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1212	Cardiologists	172,243	409,329	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1213	Dermatologists	59,441	248,160	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1214 29-1215	Emergency Medicine Physicians Family Medicine Physicians	196,603 58.420	331,140 207.924	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	General Internal Medicine Physicians	59,420	248.160	*	Yes Yes	Yes	Yes* Yes*	Doctoral or professional degree Doctoral or professional degree	No No	Yes Yes	Yes* Yes*
29-1217	Neurologists	89,109	262,268	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1218	Obstetricians and Gynecologists	59,441	248,160	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1221	Pediatricians, General	184,781	206,417	197,312	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1222	Physicians, Pathologists	94,894	243,091	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1223 29-1224	Psychiatrists	44,646	285,287	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1224	Radiologists Physicians, All Other	48,569 43,434	290,600 238,705	*	Yes Yes	Yes	Yes* Yes*	Doctoral or professional degree Doctoral or professional degree	No No	Yes	Yes* Yes*
29-1241	Ophthalmologists, Except Pediatric	97.376	209.604	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1242	Orthopedic Surgeons, Except Pediatric	196,298	745,252	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1243	Pediatric Surgeons	62,047	305,873	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1249	Surgeons, All Other	62,047	305,873	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1291	Acupuncturists	27,683	48,263	52,110	No	No	No	Master's degree	No	No	No
29-1292 29-1299	Dental Hygienists Healthcare Diagnosing or Treating Practitioners, All Other	56,448 68,411	68,571 136,351	75,867 177,278	Yes Yes	Yes	Yes Yes	Associate's degree	Yes Yes	Yes Yes	Yes Yes
29-2010	Clinical Laboratory Technologists and Technicians	29,602	55.606	69.306	No No	Yes	Yes	Master's degree Associate's degree	No.	No	Yes
29-2031	Cardiovascular Technologists and Technicians	28,971	52,654	72,986	No	Yes	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	50,005	64,081	74,225	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	62,830	78,141	81,749	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	44,983	58,460	65,155	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
29-2035 29-2036	Magnetic Resonance Imaging Technologists	51,998 96,431	64,841 121,994	75,171 135,616	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2036	Medical Dosimetrists Emergency Medical Technicians	22,643	29,382	31,438	Yes No	Yes No	Yes No	Postsecondary nondegree award Postsecondary nondegree award	Yes No	Yes No	Yes No
29-2043	Paramedics	29,769	39,993	42,495	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	22,738	29,601	32,007	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	30,294	36,350	38,926	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	27,267	34,849	41,275	No	No	No	Postsecondary nondegree award	No	No	No
29-2055 29-2056	Surgical Technologists	30,880	45,781	56,052	No No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians Ophthalmic Medical Technicians	28,022 28,044	34,472 37,928	35,839 45,990	No No	No No	No No	Associate's degree	No No	No No	No No
29-2061	Licensed Practical and Licensed Vocational Nurses	35,957	44,760	48,960	Yes	No	No	Postsecondary nondegree award Postsecondary nondegree award	Yes	Yes	No
29-2072	Medical Records Specialists	28,244	40,919	46,497	No	No	No	Postsecondary nondegree award	No	No	No
29-2081	Opticians, Dispensing	29,561	49,072	59,627	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	40,703	79,688	92,641	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	29,783	50,649	63,956	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
29-2099 29-9021	Health Technologists and Technicians, All Other Health Information Technologists and Medical Registrars	28,786 32,446	42,779 59,947	44,221 77,272	No Yes	No Yes	No Yes	Postsecondary nondegree award Postsecondary nondegree award	No Yes	No Yes	No Yes
29-9091	Athletic Trainers	32,446	59,947	58.525	Yes	Yes	Yes	Bachelor's degree	No Yes	No	No
29-9092	Genetic Counselors	49,103	84,737	98,302	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-9093	Surgical Assistants	32,799	58,735	68,567	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-9099	Healthcare Practitioners and Technical Workers, All Other	30,088	62,944	68,509	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
31-1120	Home Health and Personal Care Aides	23,181	28,272	31,200	No	No	No	High school diploma or equivalent	No	No	No
31-1131 31-1132	Nursing Assistants Orderlies	27,040 23,931	32,474 29,305	35,442 31,367	No No	No No	No No	Postsecondary nondegree award	No No	No No	No No
31-1132	Psychiatric Aides	23,931	29,305 31.062	31,367	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No No	No No	No No
31-2011	Occupational Therapy Assistants	49,587	61,998	66,560	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	28,580	53,475	65,216	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
31-2021	Physical Therapist Assistants	45,760	63,409	72,752	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	22,779	27,269	28,415	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	27,400	46,015	52,718	No	No	No	Postsecondary nondegree award	No	Yes	Yes
31-9091	Dental Assistants Medical Assistants	36,311 29,967	41,808 35,289	45,488 35,893	Yes No	No No	No No	Postsecondary nondegree award	Yes No	No No	No No
			33,289	55,693	I IVO	INO	NO	Postsecondary nondegree award	INO	INO	INO
31-9092 31-9093	Medical Equipment Preparers	27.864	36.512	41.600	No	No	No	High school diploma or equivalent	No	No	No

Vages - Workforce Re Vay 2022	egion 4	Annual W	/ages (\$) by Occupat	tion	Waga	Meets or Exceeds All C	Occupation Matric	1		Wage Moets	or Evenade Educa	tional Level Metric
viay 2022			Average Annual	High-Level Wage	Representati					Representative	Average Annu	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wag		Threshold	Educational Requirement		Starting Wage	Wage	Threshold
31-9095	Pharmacy Aides	22,916	28,058	28,772	No	No	No	High school diploma or equivalent		No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	27,741	30,884	34,416	No	No	No	High school diploma or equivalent		No	No	No
31-9097 31-9099	Phlebotomists	29,488 27,210	36,118 37,253	36,756 44.867	No No	No No	No No	Postsecondary nondegree award		No	No	No No
31-9099	Healthcare Support Workers, All Other First-Line Supervisors of Correctional Officers	, .	. ,	,				High school diploma or equivalent		No	No	
33-1012	First-Line Supervisors of Correctional Officers First-Line Supervisors of Police and Detectives	40,187 49,698	51,709 69,522	50,592 78.597	Yes	Yes Yes	No Yes	Some college, no degree Bachelor's degree		Yes Yes	Yes No	Yes No
33-1021	First-Line Supervisors of Friefighting and Prevention Workers	44,006	69,512	81,758	Yes	Yes	Yes	Associate's degree	-	Yes	Yes	Yes
33-1091	First-Line Supervisors of Security Workers	34,642	56.810	64,736	Yes	Yes	Yes	Bachelor's degree		No	No	No.
33-1099	First-Line Supervisors of Protective Service Workers, All Other	38,431	55,869	62,581	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
33-2011	Firefighters	27,107	37,605	42,887	No	No	No	Postsecondary nondegree award		No	No	No
33-2021	Fire Inspectors and Investigators	35,309	41,074	35,309	Yes	No	No	Postsecondary nondegree award		Yes	No	No
33-2022	Forest Fire Inspectors and Prevention Specialists	53,131	87,372	98,636	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
33-3011	Bailiffs	27,854	52,855	62,248	No	Yes	Yes	High school diploma or equivalent		No	Yes	Yes
33-3012	Correctional Officers and Jailers	38,294	40,336	41,258	Yes	No	No	High school diploma or equivalent		Yes	No	No
33-3021	Detectives and Criminal Investigators	40,366	66,379	74,963	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
33-3031	Fish and Game Wardens	25,812	27,988	28,150	No	No	No	Bachelor's degree		No	No	No
33-3041	Parking Enforcement Workers	30,308	38,880	40,464	No	No	No	High school diploma or equivalent		Yes	No	No
33-3051	Police and Sheriff's Patrol Officers	38,381	50,418	52,336	Yes	No	No	Associate's degree		No	No	No
33-3052	Transit and Railroad Police	57,007	70,829	58,133	Yes	Yes	Yes	Associate's degree		Yes	Yes	No
33-9011	Animal Control Workers	27,014	38,135	42,192	No	No	No	Postsecondary nondegree award		No	No	No
33-9021	Private Detectives and Investigators	31,774 27.081	48,704 34.011	56,935	No No	No No	No No	Bachelor's degree		No	No No	No No
33-9031 33-9032	Gambling Surveillance Officers and Gambling Investigators Security Guards	27,081	34,011 29.887	36,865 33,576	No No	No No	No No	High school diploma or equivalent	-	No No	No No	No No
33-9032 33-9091	Crossing Guards and Flaggers	21,171	29,887 32.434	33,576 34,572	No No	No No	No No	High school diploma or equivalent No formal educational credential	-			
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	23,934	32,434 24,681	34,572 28,081	No No	No No	No No	No formal educational credential No formal educational credential		Yes No	Yes No	Yes No
33-9092	Transportation Security Screeners	20,800 37.024	42,314	28,081 43.909	Yes	No No	No No	High school diploma or equivalent	-	Yes	No No	No No
33-9094	School Bus Monitors	21,793	42,314 26,022	43,909 27,177	Yes No	No No	No No	High school diploma or equivalent High school diploma or equivalent		Yes No	No No	No No
33-9099	Protective Service Workers, All Other	26,253	42.587	50.534	No	No	No	High school diploma or equivalent		No	No	Yes
35-1011	Chefs and Head Cooks	31,110	49,372	59,824	No	No.	Yes	Associate's degree		No	No	No
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	27,959	38,841	45,928	No	No	No	High school diploma or equivalent		No	No	No
35-2011	Cooks, Fast Food	20,991	25,315	27,558	No.	No.	No.	No formal educational credential		No.	No	No.
35-2012	Cooks, Institution and Cafeteria	24,184	32.144	34,768	No	No	No	No formal educational credential		Yes	Yes	Yes
35-2013	Cooks, Private Household	30,880	56.186	69,235	No	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
35-2014	Cooks, Restaurant	23,691	31,485	35,265	No	No	No	High school diploma or equivalent		No	No	No
35-2015	Cooks, Short Order	21,316	29,610	33,091	No	No	No	No formal educational credential		No	No	No
35-2019	Cooks, All Other	25,936	32,007	33,868	No	No	No	No formal educational credential		Yes	Yes	Yes
35-2021	Food Preparation Workers	23,053	29,737	33,645	No	No	No	No formal educational credential		Yes	No	Yes
35-3011	Bartenders	20,945	33,823	37,262	No	No	No	No formal educational credential		No	Yes	Yes
35-3023	Fast Food and Counter Workers	21,519	24,573	26,827	No	No	No	No formal educational credential		No	No	No
35-3031	Waiters and Waitresses	20,800	31,416	35,296	No	No	No	No formal educational credential		No	Yes	Yes
35-3041	Food Servers, Nonrestaurant	22,234	27,398	32,211	No	No	No	No formal educational credential		No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	20,800	26,568	28,677	No	No	No	No formal educational credential		No	No	No
35-9021	Dishwashers	21,498	25,811	27,873	No	No	No	No formal educational credential		No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	20,810	27,010	28,815	No	No	No	No formal educational credential		No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	21,316	26,978	27,149	No	No	No	No formal educational credential		No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	27,622	43,446	50,805	No	No	No	High school diploma or equivalent		No	No	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	36,124	52,825	61,137	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
37-2011 37-2012	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	22,327	28,529	31,200	No	No	No	High school diploma or equivalent		No	No	No
	Maids and Housekeeping Cleaners	22,174	27,846	28,611	No	No	No	No formal educational credential		No	No	No
37-2019 37-2021	Building Cleaning Workers, All Other Pest Control Workers	23,330	29,038	31,692	No	No	No	No formal educational credential		Yes	No	No
37-2021	Landscaping and Groundskeeping Workers	30,640 24,218	39,881 32.451	44,637 35.833	No No	No No	No No	High school diploma or equivalent		Yes	No Yes	No Yes
37-3011		24,218	37,925	43,578	No No	No No	No No	No formal educational credential High school diploma or equivalent	-	Yes No	Yes No	Yes No
37-3012 37-3013	Pesticide Handlers, Sprayers, and Applicators, Vegetation Tree Trimmers and Pruners	22,522	37,925 37,505	43,578 45.027	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent		No No	No No	No No
37-3019	Grounds Maintenance Workers, All Other	34.071	36,376	35.816	Yes	No.	No	No formal educational credential	-	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	31,501	55,107	67,631	No No	Yes	Yes			Yes	Yes	Yes
	First-Line Supervisors of Entertainment and Recreation Workers, Except	31,301	33,107	07,031	1			Some college, no degree				1.03
39-1014	Gambling Services	27,372	42.805	49,409	No	No	No	Some college, no degree		Yes	Yes	Yes
39-1022	First-Line Supervisors of Personal Service Workers	27,740	42,327	48,006	No	No	No	Some college, no degree		Yes	Yes	Yes
39-2011	Animal Trainers	26,905	33,175	30,358	No	No	No	High school diploma or equivalent		No	No	No
39-2021	Animal Caretakers	22,957	28,656	28,947	No	No	No	High school diploma or equivalent		No	No	No
39-3011	Gambling Dealers	20,495	33,601	45,380	No	No	No	High school diploma or equivalent		No	No	No
39-3012	Gambling and Sports Book Writers and Runners	20,456	27,301	29,372	No	No	No	High school diploma or equivalent		No	No	No
39-3019	Gambling Service Workers, All Other	19,855	30,919	35,949	No	No	No	High school diploma or equivalent		No	No	No
39-3021	Motion Picture Projectionists							·				
39-3031	Ushers, Lobby Attendants, and Ticket Takers	21,442	24,284	26,966	No	No	No	No formal educational credential		No	No	No
39-3091	Amusement and Recreation Attendants	20,800	26,335	27,861	No	No	No	No formal educational credential		No	No	No
39-3092	Costume Attendants	24,685	39,653	46,144	No	No	No	High school diploma or equivalent		No	No	No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	21,631	28,914	31,615	No	No	No	High school diploma or equivalent		No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	22,232	27,673	27,721	No	No	No	High school diploma or equivalent		No	No	No
39-4011	Embalmers	31,186	44,569	49,934	No	No	No	Associate's degree		No	No	No
39-4012	Crematory Operators	29,668	37,811	45,189	No	No	No	High school diploma or equivalent		Yes	No	No
39-4021	Funeral Attendants	22,576	29,105	32,236	No	No	No	High school diploma or equivalent		No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	33,104	52,988	61,675	Yes	Yes	Yes	Associate's degree		No	No	No
39-5011	Barbers	20,848	32,245	35,596	No	No	No	Postsecondary nondegree award		No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	21,611	34,756	45,317	No	No	No	Postsecondary nondegree award		No	No	No
39-5091	Makeup Artists, Theatrical and Performance				-1					l		
39-5092	Manicurists and Pedicurists	21,459	32,026	33,620	No	No	No	Postsecondary nondegree award		No	No	No

Wages - Workforce Re May 2022	ESION 7	Annual W	ages (\$) by Occupat	ion	Wage Meet	ts or Exceeds All O	ccupation Metric	1	Wage Ma	ets or Exceeds Educa	tional Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annua			Representativ		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage		Threshold
39-5093	Shampooers	19,855	23,425	25,277	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	28,322	40,218	43,319	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	20,638	28,322	32,885	No	No	No	High school diploma or equivalent	No	No	No
39-6012 39-7010	Concierges	23,597	34,088	36,503	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	21,764	34,737	38,211	No No	No	No	High school diploma or equivalent	No	No	No
39-9031	Childcare Workers Exercise Trainers and Group Fitness Instructors	21,918 22.618	26,233 51.869	28,067 57.567	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Recreation Workers	22,618	30,017	31,122	No No	Yes No	Yes No	Postsecondary nondegree award	No No	Yes No	Yes No
39-9041	Residential Advisors	24,781	35,233	39,748	No	No	No	Bachelor's degree Some college, no degree	No	No	No
39-9099	Personal Care and Service Workers, All Other	20,800	24,353	23,799	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	28,929	47,252	54.016	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	45,573	86,015	92,568	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	21,389	26,186	28,838	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	20,266	31,768	32,914	No	No	No	No formal educational credential	No	Yes	No
41-2021	Counter and Rental Clerks	26,221	37,062	42,971	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	22,787	35,735	40,649	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	21,795	31,483	34,219	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	25,121	71,506	70,145	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	35,087	59,204	67,936	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	37,028	58,444	59,501	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	20,800	35,437	45,544	No	No	No	Some college, no degree	No	No	Yes
	Sales Representatives of Services, Except Advertising, Insurance, Financial										
41-3091	Services, and Travel	30,052	58,497	70,110	No	Yes	Yes	Bachelor's degree	No	No	No
	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific										
41-4011	Products	36,977	85,559	110,289	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
	Sales Representatives, Wholesale and Manufacturing, Except Technical and										
41-4012	Scientific Products	31,825	67,469	78,706	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	20,218	46,860	74,600	No	No	Yes	No formal educational credential	No	Yes	Yes
41-9012	Models										
41-9021	Real Estate Brokers	31,094	69,111	80,427	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	30,785	52,260	54,585	No	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
41-9031	Sales Engineers	60,489	103,395	125,154	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	20,504	29,916	31,386	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	20,581	33,868	47,652	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	21,774	32,896	35,023	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	35,894	56,837	67,131	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	23,429	28,284	29,664	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	24,876	29,888	32,723	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	22,175	46,955	55,069	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-3011	Bill and Account Collectors	33,245	41,929	47,715	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	30,602	39,194	43,688	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	29,324	43,544	49,599	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041 43-3051	Gambling Cage Workers	21,182	30,594	36,398	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks Procurement Clerks	28,373 32,920	42,058 41,953	48,545 48,554	No Yes	No No	No No	Some college, no degree	Yes No	Yes No	Yes
43-3001	Tellers	29,878	37,894	44,113	No No	No	No	Associate's degree		No	No No
43-3071	Financial Clerks, All Other	34,250	51,929	58,162	Yes	Yes	Yes	High school diploma or equivalent	Yes Yes	Yes	Yes
43-4011	Brokerage Clerks	35,567	52,950	57,465	Yes	Yes	Yes	Some college, no degree Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	31,921	35,653	38,756	No.	No.	No.		Yes	No.	No.
43-4021	Court, Municipal, and License Clerks	29,192	40,258	44,873	No	No	No	High school diploma or equivalent Some college, no degree	Yes	Yes	Yes
43-4041	Credit Authorizers, Checkers, and Clerks	27,558	40,238	44,873	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	27,472	36.311	38.216	No	No	No	High school diploma or equivalent	No No	No	No
43-4061	Eligibility Interviewers, Government Programs	27.040	34,323	35.675	No.	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	20.800	33,115	38.196	No	No	No	High school diploma or equivalent	No No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	23,292	27,925	28.704	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	26,623	32,809	35,290	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	23,597	27,251	27,728	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	31.994	46,501	59.134	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	34,613	41,457	44,903	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	27,323	38,866	47,158	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	28,254	39,233	44,720	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	21,844	29,525	33,047	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	24,699	35,318	35,678	No	No	No	High school diploma or equivalent	No	No	No
43-4199	Information and Record Clerks, All Other	31,162	42,376	50,690	No	No	No	High school diploma or equivalent	Yes	No	Yes
43-5011	Cargo and Freight Agents	31,193	47,581	61,090	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	21,967	28,985	31,056	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	30,618	35,584	35,834	No	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	28,859	42,089	48,972	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	31,218	42,780	50,218	No	No	No	High school diploma or equivalent	Yes	No	Yes
43-5051	Postal Service Clerks	49,130	60,224	68,962	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	39,354	55,123	71,344	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	36,827	49,790	64,109	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	30,888	48,686	55,862	No	No	No	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	27,040	35,670	39,277	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	24,413	35,997	41,559	No	No	No	High school diploma or equivalent	No	No	No
	Executive Secretaries and Executive Administrative Assistants	33,280	56,260	65,187	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6011	Executive Secretaries and Executive Administrative Assistants										
43-6011 43-6012	Legal Secretaries and Administrative Assistants	27,596	41,847	46,722	No	No	No	Some college, no degree	Yes	Yes	Yes

Wages - Workforce Region 4

Nages - Workforce Re Nay 2022		Annu	al Wages (\$) by Occupa	tion	Wage M	eets or Exceeds All Occi	pation Metric		Wage Mee	ts or Exceeds Education	nal Level Metric
•		Representative	Average Annual	High-Level Wage	Representativ	e Average Annual	High-Level Wage		Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	26,022	38,365	45,408	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	28,863	36,266	38,030	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	22,681	32,131	35,481	No	No	No	High school diploma or equivalent	No	No	No
43-9031 43-9041	Desktop Publishers	24,542	47,767	57,723	No	No	Yes	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks Mail Clarks and Mail Machine Operators Except Postal Society	33,029	40,837	41,164 29,555	Yes	No	No	High school diploma or equivalent	Yes	No	No No
43-9061	Mail Clerks and Mail Machine Operators, Except Postal Service Office Clerks. General	22,478 25,746	29,886 37.997	43.670	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
43-9071	Office Machine Operators, Except Computer	21,344	32,131	36,445	No	No	No	High school diploma or equivalent High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	26,919	33,276	34.851	No	No	No	Bachelor's degree	No No	No	No
43-9111	Statistical Assistants	33,849	43,891	48,654	Yes	No	No	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	27,638	38,804	43,863	No	No	No	Some college, no degree	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	31,225	42,727	44.845	No	No	No	High school diploma or equivalent	Yes	No	No
45-2011	Agricultural Inspectors	25,812	37,400	39,777	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	.,.									
45-2041	Graders and Sorters, Agricultural Products	21,306	25,115	26,127	No	No	No	No formal educational credential	No	No	No
45-2091	Agricultural Equipment Operators	25,048	34,708	36,913	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	21,430	28,469	31,595	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	25,554	34,326	41,085	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2099	Agricultural Workers, All Other	20,504	34,059	40,016	No	No	No	No formal educational credential	No	Yes	Yes
45-3031	Fishing and Hunting Workers	25,554	34,326	41,085	No	No	No	No formal educational credential	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	31,243	40,340	47,595	No	No	No	Postsecondary nondegree award	Yes	No	No
45-4021	Fallers	37,371	44,397	50,210	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
45-4022	Logging Equipment Operators	29,554	42,117	47,880	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	21,306	25,115	26,127	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	39,720	43,042	44,559	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	40,398	64,204	74,255	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	19,855	44,722	54,410	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-2021	Brickmasons and Blockmasons	28,480	41,961	48,754	No	No	No	High school diploma or equivalent	No	No	No
47-2022	Stonemasons	27,826	44,368	55,088	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-2031	Carpenters	31,200	43,279	47,290	No	No	No	Postsecondary nondegree award	Yes	No	No
47-2041 47-2042	Carpet Installers	28,650	36,862	38,990	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Layers, Except Carpet, Wood, and Hard Tiles Floor Sanders and Finishers	32,226 23.187	43,299 37.562	48,836 46,783	Yes	No No	No No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	23,187	41.793	46,783	No No	No No	No No	No formal educational credential	Yes	Yes	Yes
47-2044	Cement Masons and Concrete Finishers	33,212	40,026	44,587	Yes	No No	No No	No formal educational credential	Yes	Yes Yes	Yes Yes
47-2053								No formal educational credential	Yes		
47-2053	Terrazzo Workers and Finishers Construction Laborers	33,534 25.093	49,580 35.651	55,155 37.837	Yes No	No No	No No	High school diploma or equivalent No formal educational credential	Yes Yes	Yes Yes	Yes Yes
47-2001	Paving, Surfacing, and Tamping Equipment Operators	32,046	40,104	43,710	No	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	31,200	42,455	47,143	No	No	No	High school diploma or equivalent	Yes	No	No
47-2073	Operating Engineers and Other Construction Equipment Operators	32,096	42,864	46,694	No	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	20,800	33.597	44,388	No	No	No	No formal educational credential	No	Yes	Yes
47-2082	Tapers	27.301	40.063	44,970	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2111	Electricians	35,350	48,758	55,981	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	27,301	40,063	44,970	No	No	No	High school diploma or equivalent	No	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	27,950	41,514	46,125	No	No	No	High school diploma or equivalent	No	No	No
47-2132	Insulation Workers, Mechanical	34,756	46,803	48,712	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2141	Painters, Construction and Maintenance	29,422	38,349	42,870	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	28,303	35,300	42,507	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	32,968	39,665	41,658	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	34,008	46,124	51,347	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	25,687	39,901	45,151	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	33,649	44,798	52,587	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	27,412	39,781	47,825	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	28,552	43,675	48,669	No	No	No	High school diploma or equivalent	No	No	No
47-2221	Structural Iron and Steel Workers	34,706	44,465	53,096	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	33,916	41,495	44,683	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-3011	HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	19,855	32,761	36,426	No	No	No	No formal educational credential	No	Yes	Yes
47-3012	HelpersCarpenters	24,449	31,090	33,775	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	HelpersElectricians	25,519	33,053	35,648	No	No	No	High school diploma or equivalent	No	No	No
47-3014	HelpersPainters, Paperhangers, Plasterers, and Stucco Masons	25,449	30,021	31,434	No	No	No	No formal educational credential	Yes	No	No
47-3015	HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters	28,693	34,265	35,819	No	No	No	High school diploma or equivalent	No	No	No
47-3016 47-3019	Helpers Roofers Helpers Construction Trades All Other	28,523	34,603	36,780	No.	No No	No	No formal educational credential	Yes	Yes	Yes
47-3019 47-4011	Helpers, Construction Trades, All Other	26,690	35,319	39,013	No	No	No Voc	No formal educational credential	Yes	Yes	Yes
47-4011 47-4021	Construction and Building Inspectors Elevator and Escalator Installers and Repairers	40,628 46,573	62,489 80,766	74,979 98,340	Yes Yes	Yes	Yes	Postsecondary nondegree award	Yes Yes	Yes	Yes
47-4021 47-4031	Fence Erectors	46,573 27,788	38,278	98,340 44.416	No No	Yes No	Yes No	Postsecondary nondegree award No formal educational credential	Yes	Yes Yes	Yes Yes
47-4031	Hazardous Materials Removal Workers	27,788	40.426	44,416	No	No No	No No	High school diploma or equivalent	No Yes	No.	No Yes
47-4041	Highway Maintenance Workers	28,666	35.667	45,625 37.529	No	No No	No No	High school diploma or equivalent	No	No No	No
47-4051	Rail-Track Laying and Maintenance Equipment Operators	43.022	52,349	59.432	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-4001	Septic Tank Servicers and Sewer Pipe Cleaners	30.671	42,764	44.253	No	No.	No.	High school diploma or equivalent	Yes	No	No
47-4090	Miscellaneous Construction and Related Workers	30,327	41,123	45,008	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas	30,327	72,223	-3,300	1.00			g saloor diploma or equivalent	1 1		
	Rotary Drill Operators, Oil and Gas	39.080	51,537	53,857	Yes	Yes	No	No formal educational credential	Yes	Yes	Yes
47-5012		,	51,833	59.603	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5012	Service Unit Operators, Oil and Gas	35 634									
	Service Unit Operators, Oil and Gas Excavating and Loading Machine and Dragline Operators, Surface Mining	35,634 31,625							Yes		No
47-5012 47-5013	Service Unit Operators, Oil and Gas Excavating and Loading Machine and Dragline Operators, Surface Mining Earth Drillers, Except Oil and Gas	35,634 31,625 33,267	43,738 47,165	49,666 49,027	No	No No	No No	High school diploma or equivalent	Yes Yes	No Yes	No No
47-5012 47-5013 47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	31,625	43,738	49,666		No	No		Yes Yes Yes	No	

Wages - Workforce Re Way 2022	gion 4	Annual W	/ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All (Occupation Metric		l v	Vage Meets or	Exceeds Educatio	nal Level Metric
, 2022	ľ		Average Annual	High-Level Wage	Representative	Average Annu					Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starti		Wage	Threshold
47-5043	Roof Bolters, Mining											
47-5044	Loading and Moving Machine Operators, Underground Mining											
47-5049 47-5051	Underground Mining Machine Operators, All Other	34,221 35,224	38,746 63,899	42,965 85,234	Yes	No	No	No formal educational credential	Yes		Yes	Yes
47-5051	Rock Splitters, Quarry Roustabouts, Oil and Gas	32,656	47,223	58,362	Yes Yes	Yes No	Yes Yes	No formal educational credential No formal educational credential	Yes Yes		Yes Yes	Yes Yes
47-5071	HelpersExtraction Workers	28.055	33.524	36,780	No.	No	No No	High school diploma or equivalent	No.		No	No
47-5099	Extraction Workers, All Other	26,537	42,793	41,829	No	No	No	High school diploma or equivalent	No		No	No
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	37.500	57.414	68.765	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	30,047	38,697	41,836	No	No	No	Postsecondary nondegree award	No		No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	36,445	56,052	68,672	Yes	Yes	Yes	Associate's degree	No		No	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	36,964	60,238	81,895	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-2091	Avionics Technicians	36,198	62,255	76,956	Yes	Yes	Yes	Associate's degree	No		Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	29,391	43,557	48,693	No	No	No	High school diploma or equivalent	No		No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	38,259	53,704	60,730	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	36,980	54,468	65,856	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	38,126	72,977	94,436	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	31,701	42,345	46,373	No	No	No	Postsecondary nondegree award	Yes		No	No
49-2097	Audiovisual Equipment Installers and Repairers	36,474	44,979	48,263	Yes	No	No	Postsecondary nondegree award	Yes		Yes	No
49-2098 49-3011	Security and Fire Alarm Systems Installers Aircraft Mechanics and Service Technicians	31,207 46,290	47,071 68,580	57,291 77,297	No V	No	No	Postsecondary nondegree award	Yes		Yes	Yes
49-3021	Automotive Body and Related Repairers	29,996	43,021	45,356	Yes No	Yes No	Yes No	Associate's degree	Yes No		Yes No	Yes No
49-3022	Automotive Glass Installers and Repairers	32.007	44.168	52,320	No	No	No	Postsecondary nondegree award High school diploma or equivalent	Yes		Yes	Yes
49-3022	Automotive Grass installers and Repairers Automotive Service Technicians and Mechanics	27.802	45.090	57,475	No No	No	Yes	Postsecondary nondegree award	No.		Yes	Yes
49-3023	Bus and Truck Mechanics and Diesel Engine Specialists	34.144	50.787	59.534	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	29,525	45,447	47,270	No	No	No	High school diploma or equivalent	No		Yes	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	37.028	50,695	56.898	Yes	Yes	No	Postsecondary nondegree award	Yes		Yes	Yes
49-3043	Rail Car Repairers	35,749	51,327	57,074	Yes	Yes	No	High school diploma or equivalent	Yes		Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	35,555	49,519	58,156	Yes	No	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-3052	Motorcycle Mechanics	28,456	43,910	56,329	No	No	No	High school diploma or equivalent	No		Yes	Yes
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	25,232	35,764	40,123	No	No	No	High school diploma or equivalent	No		No	No
49-3091	Bicycle Repairers	22,394	34,909	41,696	No	No	No	High school diploma or equivalent	No		No	No
49-3092	Recreational Vehicle Service Technicians	29,191	46,411	58,525	No	No	Yes	High school diploma or equivalent	No		Yes	Yes
49-3093	Tire Repairers and Changers	25,258	30,929	36,251	No	No	No	High school diploma or equivalent	No		No	No
49-9011	Mechanical Door Repairers	30,530	41,554	44,480	No	No	No	High school diploma or equivalent	Yes		No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	34,447	44,108	47,258	Yes	No	No	Postsecondary nondegree award	Yes		Yes	No
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	32,908	51,549	59,962	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-9031	Home Appliance Repairers	20,809	36,339	47,873	No	No	No	Postsecondary nondegree award	No		No	No
49-9041	Industrial Machinery Mechanics	35,848	52,488	62,812	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-9043 49-9044	Maintenance Workers, Machinery	31,720	51,680	56,100	No	Yes	No	High school diploma or equivalent	Yes		Yes	Yes
49-9045	Millwrights Refractory Materials Repairers, Except Brickmasons	38,975	53,408	63,049	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-9051	Electrical Power-Line Installers and Repairers	37,395	61,187	76,810	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	32,649	46.073	53.145	Yes	No.	No.	Postsecondary nondegree award	Yes		Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	38,421	51,060	56,959	Yes	Yes	No	Associate's degree	No		No	No
49-9062	Medical Equipment Repairers	31.013	41.170	45.372	No	No	No	Associate's degree	No		No	No
49-9063	Musical Instrument Repairers and Tuners	27,234	40,092	49,189	No	No	No	High school diploma or equivalent	No		No	No
49-9064	Watch and Clock Repairers	23,645	28,131	27,444	No	No	No	High school diploma or equivalent	No		No	No
49-9069	Precision Instrument and Equipment Repairers, All Other	38,727	55,088	63,040	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
49-9071	Maintenance and Repair Workers, General	28,396	38,213	44,403	No	No	No	High school diploma or equivalent	No		No	No
49-9081	Wind Turbine Service Technicians											
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	26,155	38,517	46,278	No	No	No	High school diploma or equivalent	No		No	No
49-9092	Commercial Divers	37,753	50,850	54,468	Yes	Yes	No	Postsecondary nondegree award	Yes		Yes	Yes
49-9094	Locksmiths and Safe Repairers	35,242	42,867	50,247	Yes	No	No	High school diploma or equivalent	Yes		No	Yes
49-9095	Manufactured Building and Mobile Home Installers	20,867	29,506	37,333	No	No	No	High school diploma or equivalent	No		No	No
49-9096	Riggers Signal and Track Switch Repairers	31,778	49,399	57,360	No	No	No	High school diploma or equivalent	Yes		Yes	Yes
49-9097 49-9098	Signal and Track Switch Repairers	45,123	60,462	68,271	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
49-9098	HelpersInstallation, Maintenance, and Repair Workers Installation, Maintenance, and Repair Workers, All Other	26,230 30.843	30,794 34,811	35,297 35,768	No No	No No	No No	High school diploma or equivalent	No		No No	No No
51-1011	First-Line Supervisors of Production and Operating Workers	30,843	60,512	75,914	Yes	Yes	Yes	High school diploma or equivalent	Yes Yes		Yes	Yes
51-1011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	31,568	44,932	75,914 53,313	No	No	No Yes	Some college, no degree Postsecondary nondegree award	Yes		Yes	Yes
51-2011	Coil Winders, Tapers, and Finishers	31,730	44,932	46,297	No	No	No		Yes		No	No
	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders,	31,/30	+3,432	40,237	140	140	NO	High school diploma or equivalent	res			NO
51-2028	Tapers, and Finishers	24.888	35.538	39.893	No	No	No	High school diploma or equivalent	No		No	No
51-2031	Engine and Other Machine Assemblers	32,140	41,495	46,068	Yes	No	No	High school diploma or equivalent	Yes		No	No
51-2041	Structural Metal Fabricators and Fitters	29,162	41,591	47,032	No	No	No	High school diploma or equivalent	No		No	No
51-2051	Fiberglass Laminators and Fabricators	28,188	36,102	38,708	No	No	No	High school diploma or equivalent	No		No	No
51-2061	Timing Device Assemblers and Adjusters											
51-2090	Miscellaneous Assemblers and Fabricators	26,284	35,499	37,484	No	No	No	High school diploma or equivalent	No		No	No
51-3011	Bakers	23,235	30,948	35,360	No	No	No	High school diploma or equivalent	No		No	No
51-3021	Butchers and Meat Cutters	24,584	36,344	41,600	No	No	No	No formal educational credential	Yes		Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	23,922	32,121	36,796	No	No	No	No formal educational credential	Yes		Yes	Yes
51-3023	Slaughterers and Meat Packers	25,411	26,718	27,730	No	No	No	No formal educational credential	Yes		No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	23,759	35,367	34,727	No	No	No	No formal educational credential	Yes		Yes	Yes
51-3092	Food Batchmakers	21,736	31,778	36,274	No	No	No	High school diploma or equivalent	No		No	No
51-3093	Food Cooking Machine Operators and Tenders	23,969	30,565	33,849	No	No	No	High school diploma or equivalent	No		No	No
51-3099	Food Processing Workers, All Other	22,938	30,394	34,040	No	No	No	No formal educational credential	Yes		Yes	Yes
F1 4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and	20.002	20.054	40.054	N-	N-	N-	High select distance in the control of			N-	N-
51-4021	Plastic	29,802	38,651	42,851	No	No	No	High school diploma or equivalent	Yes		No	No

May 2022	egion 4	Annual M	ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All O	ccupation Metric		Wage Meet	ts or Exceeds Educa	tional Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annua			Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	28,971	38,269	43,710	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	29,286	40,025	43,232	No	No	No	High school diploma or equivalent	No	No	No
	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and	27.400	25.752	40.007							
51-4031	Plastic	27,186	36,760	42,097	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20.700	F2 722	70.013	N-	V	V	High cabact distance as a six stant	N-	V	V
51-4032	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and	28,790	53,723	79,812	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-4033	Tenders, Metal and Plastic	24,800	32,570	34,699	No	No	No	High school diploma or equivalent	No	No	No
31 4033	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and	24,000	32,370	34,033	140	140	NO	riigii scriooi dipiona oi equivalent	140	140	110
51-4034	Plastic	26,671	37,171	45,667	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	30,107	40.254	44.082	No	No	No	Postsecondary nondegree award	No	No	No
51-4041	Machinists	27,662	43,891	50,573	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	37,381	47,662	48,549	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-4052	Pourers and Casters, Metal	28,494	44,550	54,029	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-4061	Model Makers, Metal and Plastic	31,558	49,704	57,847	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic										
51-4071	Foundry Mold and Coremakers	22,222	38,383	52,482	No	No	No	High school diploma or equivalent	No	No	Yes
	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders,										
51-4072	Metal and Plastic	26,270	35,310	37,963	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	33,942	52,208	60,370	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4111	Tool and Die Makers	37,362	55,642	62,782	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	31,423	47,449	58,578	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	28,398	35,978	39,128	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	23,826	38,927	45,247	No	No	No	High school diploma or equivalent	No	No	No
51-4192 51-4193	Layout Workers, Metal and Plastic	32,417	45,609	50,258	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	28,723	38,431	42,832	No	No	No	High school diploma or equivalent	No	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	26,289	35,176	37,133	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	27,940	37,295	43,748	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	30,327	43,080	47,079	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	23,418	32,767	36,228	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	25,840	37,333	44,168	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	21,633	25,657	27,192	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	22,757	27,339	28,160	No	No	No	No formal educational credential	Yes	No	No
51-6031	Sewing Machine Operators	22,566	33,751	37,209	No	No	No	No formal educational credential	No	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	22,490	31,482	35,539	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders										
51-6051 51-6052	Sewers, Hand	21,048	28,446	29,000	No No	No	No	No formal educational credential	No	No	No
51-6061	Tailors, Dressmakers, and Custom Sewers Taytile Pleaching and Diving Machine Operators and Tondors	27,301	33,773	35,500	NO	No	No	No formal educational credential	Yes	Yes	Yes
51-6062	Textile Bleaching and Dyeing Machine Operators and Tenders Textile Cutting Machine Cetters, Operators, and Tenders	26.489	31,673	34,756	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Cutting Machine Setters, Operators, and Tenders Textile Knitting and Washing Machine Setters, Operators, and Tenders	20,465	31,073	34,730	NO	INU	NO	rigit school diploma of equivalent	INU	NU	INU
31-0003	Textile Knitting and Weaving Machine Setters, Operators, and Tenders Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and										
51-6064	Tenders	22,213	32,064	36,445	No	No	No	High school diploma or equivalent	No	No	No
31-0004	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and	22,213	32,004	30,443	NO	INU	NO	riigii scriooi dipionia oi equivalent	INO	INU	INU
51-6091	Glass Fibers	32,255	56,196	79,926	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	32,233	30,130	73,320	163	163	163	Tilgii scriool dipionia of equivalent	163	163	163
51-6093	Upholsterers	26,785	36,293	40,942	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	26,117	32,618	36.379	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	30.322	40.663	46.142	No	No	No	High school diploma or equivalent	Yes	No	No
51-7021	Furniture Finishers	29,363	43,691	51,356	No	No	No	High school diploma or equivalent	No	No	Yes
51-7031	Model Makers, Wood		,	,					1 1		
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	24.972	33.095	36.388	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	24,886	32,866	36,789	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	26,289	31,129	31,463	No	No	No	High school diploma or equivalent	No	No	No
51-8011	Nuclear Power Reactor Operators	46,344	73,120	92,574	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	51,232	84,728	99,008	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	46,344	73,120	92,574	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	46,048	60,138	65,025	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	32,013	41,972	46,360	No	No	No	Postsecondary nondegree award	Yes	No	No
51-8091	Chemical Plant and System Operators	39,939	59,164	64,052	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
51-8092	Gas Plant Operators	32,999	49,752	60,157	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	48,485	56,321	71,012	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	38,507	55,279	61,971	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	28,494	44,550	54,029	No	No	No	High school diploma or equivalent	No	Yes	Yes
	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,										
51-9012	Operators, and Tenders	27,014	40,817	47,394	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	26,909	39,634	44,874	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	24,254	34,403	37,021	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	26,843	37,620	42,784	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	20,953	34,040	38,240	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	27,329	37,037	42,402	No	No	No	High school diploma or equivalent	No	No	No
	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and										
51-9041	Tenders	26,461	36,484	43,127	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	29,277	37,496	42,087	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	26,443	43,809	54,377	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	35,735	51,800	62,831 54,515	Yes No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-9081		29,277	47,585			No	No		No		Yes

Wages - Workforce Region 4

Лау 2022	gion 4	Annua	al Wages (\$) by Occup	ation		Wage Meets	or Exceeds All Occu	pation Metric		Wage Meets	or Exceeds Education	nal Level Metric
		Representative	Average Annual	High-Level Wage	Re	epresentative	Average Annual	High-Level Wage		Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Sta	arting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-9082	Medical Appliance Technicians	27,100	38,479	47,623	No		No	No	Postsecondary nondegree award	No	No	No
51-9083	Ophthalmic Laboratory Technicians	28,763	34,429	36,387	No		No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	22,041	34,193	38,364	No		No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	24,074	34,288	40,541	No		No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	29,582	41,308	46,250	No	0	No	No	High school diploma or equivalent	Yes	No	No
51-9141	Semiconductor Processing Technicians											
51-9151	Photographic Process Workers and Processing Machine Operators	22,346	33,792	36,388	No		No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	35,267	43,504	49,324	Ye		No	No	Postsecondary nondegree award	Yes	Yes	No
51-9162	Computer Numerically Controlled Tool Programmers	35,109	57,370	66,934	Ye		Yes	Yes	Associate's degree	No	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	22,213	32,064	36,445	No		No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	24,876	34,422	45,123	No		No	No	High school diploma or equivalent	No	No	No
51-9193 51-9194	Cooling and Freezing Equipment Operators and Tenders Etchers and Engravers	26,356	43,681	46,526	No		No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	27,902 27,759	33,276 36,760	36,675 40,856	No No		No No	No No	High school diploma or equivalent	No No	No No	No No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	27,854	42,459	50,019	No		No	No	High school diploma or equivalent High school diploma or equivalent	No	No	Yes
51-9197	Tire Builders	27,034	42,433	30,013	INC	U	IVU	INU	rigit school diplotta of equivalent	INU	NU	165
51-9198	HelpersProduction Workers	25.552	31,240	35.407	No	•	No	No	High school diploma or oguivalent	No	No	No
51-9199	Production Workers, All Other	25,552	35,605	39,347	No		No	No	High school diploma or equivalent High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	36,140	54,496	59,451	Ye		Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
33 1011	First-Line Supervisors of Transportation and Material Moving Workers, Except	30,140	54,450	33,431	16.	-3	163	163	riigii scriooi dipionia oi equivalent	163	163	163
53-1047	Aircraft Cargo Handling Supervisors	34,017	53,615	62,541	Ye	95	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	103,981	258,421	*	Ye		Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	49,538	111,989	143.590	Ye		Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	76.327	120,619	150.106	Ye		Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	76,327	120,619	150,106	Ye		Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	33,610	66,133	75,516	Ye		Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	24,580	29,267	31,071	No		No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	20,800	32,581	38,634	No		No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	33,476	45,467	48,761	Ye	es	No	No	Postsecondary nondegree award	Yes	Yes	No
53-3033	Light Truck Drivers	25,074	42,716	50,804	No	0	No	No	High school diploma or equivalent	No	No	Yes
53-3051	Bus Drivers, School	28,752	33,138	37,043	No	0	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	27,893	39,863	50,067	No	0	No	No	High school diploma or equivalent	No	No	Yes
53-3053	Shuttle Drivers and Chauffeurs	20,800	35,150	34,176	No	0	No	No	High school diploma or equivalent	No	No	No
53-3054	Taxi Drivers	19,922	30,250	30,489	No	0	No	No	No formal educational credential	No	No	No
53-3099	Motor Vehicle Operators, All Other	20,800	27,429	30,181	No	0	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	54,019	65,617	70,886	Ye	es	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	30,737	51,528	49,638	No	0	Yes	No	High school diploma or equivalent	Yes	Yes	No
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	37,352	56,482	59,078	Ye	es	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	60,491	68,280	70,934	Ye		Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	27,893	39,863	50,067	No		No	No	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	39,386	40,044	39,395	Ye:		No	No	High school diploma or equivalent	Yes	No	No
53-5011	Sailors and Marine Oilers	24,549	39,345	53,088	No	0	No	No	High school diploma or equivalent	No	No	Yes
53-5021	Captains, Mates, and Pilots of Water Vessels	35,913	64,502	74,324	Ye		Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	33,127	41,047	41,754	Ye		No	No	Postsecondary nondegree award	Yes	No	No
53-5031	Ship Engineers	69,273	93,825	104,420	Ye:		Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	22,986	30,584	34,727	No		No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	20,950	26,983	30,059	No		No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	26,787	31,387	36,023	No		No	No	No formal educational credential	Yes	Yes	Yes
53-6032	Aircraft Service Attendants	28,446	35,290	35,663	No		No	No	High school diploma or equivalent	No	No	No
53-6041	Traffic Technicians	29,248	45,390	52,053	No		No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	38,374	81,625	102,979	Ye		Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	20,313	31,109	36,360	No		No	No	High school diploma or equivalent	No	No	No
53-6099	Transportation Workers, All Other	19,855	29,343	31,090	No		No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	28,198	33,057	34,183	No		No	No	No formal educational credential	Yes	Yes	Yes
53-7021	Crane and Tower Operators	34,212	50,933	51,711	Ye		Yes	No	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	34,088	45,180	47,051	Ye		No	No	High school diploma or equivalent	Yes	Yes	No
53-7041	Hoist and Winch Operators	30,794	48,254	49,447	No No		No	No No	No formal educational credential	Yes	Yes	Yes
53-7051 53-7061	Industrial Truck and Tractor Operators	29,342 21,248	37,448 29.048	40,504 32,368	No No		No No	No No	No formal educational credential	Yes	Yes	Yes
53-7061 53-7062	Cleaners of Vehicles and Equipment	,	29,048	,	No No		No No	No No	No formal educational credential No formal educational credential	No	No	No
53-7062 53-7063	Laborers and Freight, Stock, and Material Movers, Hand	24,549	,	36,974						Yes	Yes	Yes
53-7063 53-7064	Machine Feeders and Offbearers	27,721	35,873	38,765	No		No	No	No formal educational credential	Yes	Yes	Yes
53-7064 53-7065	Packers and Packagers, Hand Stockers and Order Fillers	22,403	26,314	27,856	No		No	No	No formal educational credential	No	No No	No
		25,065	32,709	35,360	No		No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	29,305	34,956	32,474	No		No	No	High school diploma or equivalent	No	No	No
53-7072 53-7073	Pump Operators, Except Wellhead Pumpers	31,329	44,063	49,466	No	U	No	No	High school diploma or equivalent	Yes	Yes	No
	Wellhead Pumpers	20.7	20.477		I				1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
53-7081	Refuse and Recyclable Material Collectors	28,301	39,108	45,308	No		No	No	No formal educational credential	Yes	Yes	Yes
53-7121 53-7199	Tank Car, Truck, and Ship Loaders	41,390	57,685	58,572	Ye		Yes	Yes	No formal educational credential	Yes	Yes	Yes
25-7199	Material Moving Workers, All Other	27,230	43,416	49,768	No	0	No	No	No formal educational credential	Yes	Yes	Yes

 $[\]ensuremath{^{*}}$ indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

Summary - Workforce Region 4

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
_	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	32,129	50,680	57,422	802
No formal educational credential	22,672	30,328	33,433	81
High school diploma or equivalent	29,582	43,787	49,686	225
Some college, no degree	27,083	38,131	43,014	48
Postsecondary nondegree award	30,625	43,356	49,525	88
Associate's degree	38,435	56,795	65,295	67
Bachelor's degree	44,360	78,820	92,570	181
Master's degree	52,950	82,898	95,218	42
Doctoral or professional degree	62,464	156,059	150,240	70

	Representative	Starting Wage	Average Ar	nual Wage	High-Level Wage Threshold		
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	
All Occupations	466	336	465	337	453	349	
No formal educational credential	37.04%	62.96%	32.10%	67.90%	32.10%	67.90%	
High school diploma or equivalent	68.00%	32.00%	77.78%	22.22%	75.56%	24.44%	
Some college, no degree	29.17%	70.83%	20.83%	79.17%	18.75%	81.25%	
Postsecondary nondegree award	40.91%	59.09%	37.50%	62.50%	42.05%	57.95%	
Associate's degree	64.18%	35.82%	53.73%	46.27%	50.75%	49.25%	
Bachelor's degree	57.46%	42.54%	60.22%	39.78%	58.01%	41.99%	
Master's degree	73.81%	26.19%	64.29%	35.71%	64.29%	35.71%	
Doctoral or professional degree	78.57%	21.43%	70.00%	30.00%	64.29%	35.71%	

May 2022 Occupational Code 11-1011 11-1021 11-1031 11-2011 11-2021 11-2022 11-2032 11-2033 11-3012	Chief Executives General and Operations Managers Legislators		Ages (\$) by Occupat Average Annual Wage (\$)	High-Level Wage Threshold (\$)	Representative Starting Wage	Average Annu Wage	Threshold	Educational Requirement		Representative Starting Wage	or Exceeds Education Average Annual Wage	High-Level Wage Threshold
11-1011 11-1021 11-1031 11-2011 11-2021 11-2022 11-2032 11-2033	Chief Executives General and Operations Managers Legislators	Starting Wage (\$) 70,210	Wage (\$) 202,961	Threshold (\$)		Wage	Threshold	·			Wage	Threshold
11-1021 11-1031 11-2011 11-2021 11-2022 11-2032 11-2033	General and Operations Managers Legislators		,	*								
11-1021 11-1031 11-2011 11-2021 11-2022 11-2032 11-2033	General and Operations Managers Legislators		,	*								
11-1031 11-2011 11-2021 11-2022 11-2032 11-2033	Legislators	35,334			Yes	Yes	Yes*	Bachelor's degree		Yes	Yes	Yes*
11-2011 11-2021 11-2022 11-2032 11-2033	0	21.025	95,029 51.672	116,819 61,959	Yes No	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-2021 11-2022 11-2032 11-2033		60.350	51,672 84.375	78.547	Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	-	No Yes	No Yes	No No
11-2022 11-2032 11-2033	Advertising and Promotions Managers Marketing Managers	66,710	136,971	167.984	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2032 11-2033	Sales Managers	52.381	127.437	155.394	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
	Public Relations Managers	57,660	96,700	107,994	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
	Fundraising Managers	63,199	119.734	133,879	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
	Administrative Services Managers	58,098	88,789	105,061	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3013	Facilities Managers	46,342	84,712	103,147	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	80,397	128,121	155,967	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3031	Financial Managers	56,139	111,057	124,718	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3051	Industrial Production Managers	57,561	119,575	132,676	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3061	Purchasing Managers	62,317	110,761	132,299	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	47,967	92,743	101,691	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	52,541	77,425	88,941	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3121	Human Resources Managers	61,388	93,799	99,948	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3131 11-9013	Training and Development Managers Farmers, Ranchers, and Other Agricultural Managers	55,619	81,913	89,104	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9013	Construction Managers	34,332 52,000	70,405 102,760	74,577 109,990	Yes Yes	Yes	Yes	Bachelor's degree Bachelor's degree	-	No Yes	No Yes	No Yes
11-9021		29.880	49,287	109,990 46,212	Yes No	Yes No	Yes No		-	Yes No	Yes No	Yes No
11-9031	Education and Childcare Administrators, Preschool and Daycare Education Administrators, Kindergarten through Secondary	29,880 56,306	49,287 83,186	46,212 96,826	Yes	Yes	NO Yes	Bachelor's degree Master's degree		Yes	Yes	Yes
11-9032	Education Administrators, Kindergarten through Secondary Education Administrators, Postsecondary	55,306	83,186 88,714	90,034	Yes	Yes	Yes	Master's degree Master's degree		Yes	Yes	Yes
11-9039	Education Administrators, Postsecondary Education Administrators, All Other	47.025	78.919	95.533	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
11-9041	Architectural and Engineering Managers	81,536	132.660	159.994	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9051	Food Service Managers	31,506	60,096	76,886	No	Yes	Yes	Some college, no degree		Yes	Yes	Yes
11-9071	Gambling Managers	57,772	110,899	112,069	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
11-9072	Entertainment and Recreation Managers, Except Gambling	34,930	60,067	65,043	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9081	Lodging Managers	37,594	62,465	75,872	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9111	Medical and Health Services Managers	57,248	102,602	104,000	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9121	Natural Sciences Managers	52,000	74,922	83,179	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	74,703	90,925	100,797	Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	30,365	61,301	72,799	No	Yes	Yes	Bachelor's degree		No	No	No
11-9151	Social and Community Service Managers	36,670	69,331	84,157	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
11-9161	Emergency Management Directors	45,641	96,606	125,008	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9171	Funeral Home Managers	43,839	75,758	76,760	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
11-9179	Personal Service Managers, All Other	44,897	73,380	88,333	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9199	Managers, All Other	52,588	95,458	108,160	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	28,081	90,075	146,751	No	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-1020	Buyers and Purchasing Agents	32,281	53,865	58,573	No	Yes	Yes	Bachelor's degree		No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	34,507	62,417	81,661	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage Compliance Officers	46,311	64,410	73,633	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
13-1041	Cost Estimators	27,934	52,142 56.123	49,442	No	Yes	No	Bachelor's degree		No	No	No
13-1051	Human Resources Specialists	34,451 33,280	55,123	61,246 59,870	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		No No	No No	No No
13-1074	Farm Labor Contractors	22,631	83,165	116,189	No	Yes	Yes	No formal educational credential		Yes	Yes	Yes
13-1074	Labor Relations Specialists	23,640	63,579	94.685	No	Yes	Yes	Bachelor's degree	-	No	No	Yes
13-1075	Logisticians	30.160	59,285	70.616	No	Yes	Yes	Bachelor's degree		No	No	No
13-1082	Project Management Specialists	47.341	83,955	100.903	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1111	Management Analysts	39,177	56,262	61,651	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1121	Meeting, Convention, and Event Planners	34,320	50,612	57,756	Yes	No	No	Bachelor's degree		No	No	No
13-1131	Fundraisers	31,407	55,694	72,379	No	Yes	Yes	Bachelor's degree		No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	30,992	43,368	47,216	No	No	No	Bachelor's degree		No	No	No
13-1151	Training and Development Specialists	32,249	55,512	64,185	No	Yes	Yes	Bachelor's degree		No	No	No
13-1161	Market Research Analysts and Marketing Specialists	32,698	61,496	72,847	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1199	Business Operations Specialists, All Other	31,200	61,919	74,714	No	Yes	Yes	Bachelor's degree		No	No	No
13-2011	Accountants and Auditors	33,509	60,908	73,347	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2020	Property Appraisers and Assessors	27,600	58,763	70,830	No	Yes	Yes	Bachelor's degree		No	No	No
13-2031	Budget Analysts	44,990	62,903	68,162	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
13-2041	Credit Analysts	47,220	85,706	95,978	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-2051	Financial and Investment Analysts	45,597	65,695	72,821	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
13-2052	Personal Financial Advisors	34,626	94,436	104,274	Yes	Yes	Yes	Bachelor's degree	-	No	Yes	Yes
13-2053	Insurance Underwriters	36,462	57,228	63,604	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2054	Financial Risk Specialists Financial Examiners	42,078 38.667	112,741 54.552	120,719 57,637	Yes	Yes	Yes No	Bachelor's degree	-	Yes	Yes	Yes
13-2061		38,667 44.388	54,552 44.843	57,637 44.783	Yes	Yes No	No No	Bachelor's degree	-	No Yes	No No	No No
13-2071	Credit Counselors Loan Officers	,	,	,	Yes			Bachelor's degree	-			No
13-20/2	Tax Examiners and Collectors, and Revenue Agents	26,775 29,286	59,566 36,689	74,828 38,834	No No	Yes No	Yes No	Bachelor's degree		No No	No No	No No
13-2081	Tax Preparers	29,286	43,830	38,834 59,420	No No	No	Yes	Bachelor's degree Postsecondary nondegree award	-	No No	Yes	Yes
	Financial Specialists, All Other	32,718	43,830 54,797	59,420 66.259	Yes	Yes	Yes	Bachelor's degree	-	No No	Yes No	Yes No
	Computer Systems Analysts	42,233	67,769	79,643	Yes	Yes	Yes	Bachelor's degree	-	Yes	No	No
13-2099		56,659	98.747	107.684	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
	Information Security Analysts	/	123,521	166.096	Yes	Yes	Yes	Master's degree	-	Yes	Yes	Yes
13-2099 15-1211 15-1212		74.139										
13-2099 15-1211 15-1212 15-1221	Information Security Analysts Computer and Information Research Scientists Computer Network Support Specialists	74,139 38,002		,								
13-2099 15-1211 15-1212 15-1221	Computer and Information Research Scientists Computer Network Support Specialists	38,002	66,250	81,141	Yes	Yes	Yes No	Associate's degree Postsecondary nondegree award		Yes Yes	Yes Yes	Yes Yes
13-2099 15-1211 15-1212 15-1221 15-1231	Computer and Information Research Scientists	,	66,250 46,552	,	Yes No	Yes No	Yes	Associate's degree Postsecondary nondegree award		Yes	Yes	Yes
13-2099 15-1211 15-1212 15-1221 15-1231 15-1232	Computer and Information Research Scientists Computer Network Support Specialists Computer User Support Specialists	38,002 28,642	66,250	81,141 55,646	Yes	Yes	Yes No	Associate's degree		Yes Yes	Yes Yes	Yes Yes

Wages - Workforce Region 5

Wages - Workforce Re Way 2022	-0	Annua	al Wages (\$) by Occupa	ition	Wage Mee	ts or Exceeds All Occu	pation Metric			Wage Meets	or Exceeds Education	nal Level Metric
•		Representative	Average Annual	High-Level Wage	Representative	Average Annual	High-Level Wage			Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
15-1244 15-1251	Network and Computer Systems Administrators Computer Programmers	38,106	72,362	84,089 71,932	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
15-1251	Software Developers	43,514 50.005	65,755 98.791	71,932 118.672	Yes	Yes Yes	Yes Yes	Bachelor's degree		Yes	No Yes	No Yes
15-1252	Software Developers Software Quality Assurance Analysts and Testers	45.334	98,791 80.535	118,672	Yes Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
15-1254	Web Developers	37,645	71,299	83,126	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1255	Web and Digital Interface Designers	38,958	65,117	63,825	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1299	Computer Occupations, All Other	30,805	69.247	96.371	No.	Yes	Yes	Bachelor's degree		No	No	Yes
15-2011	Actuaries	35,048	107,751	133,659	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
15-2021	Mathematicians	37,453	88,998	122,388	Yes	Yes	Yes	Master's degree		No	Yes	Yes
15-2031	Operations Research Analysts	31,200	45,594	46,342	No	No	No	Bachelor's degree		No	No	No
15-2041	Statisticians	29,349	44,847	52,187	No	No	No	Master's degree		No	No	No
15-2051	Data Scientists	44,671	78,344	100,025	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2099	Mathematical Science Occupations, All Other	38,127	78,483	95,066	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
17-1011	Architects, Except Landscape and Naval	44,823	84,238	94,880	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-1012	Landscape Architects	27,878	59,627	70,923	No	Yes	Yes	Bachelor's degree		No	No	No
17-1021	Cartographers and Photogrammetrists	45,631	62,078	63,829	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-1022	Surveyors	35,280	61,978	71,240	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2011 17-2021	Aerospace Engineers	64,507	86,830	107,380	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2021	Agricultural Engineers Bioengineers and Biomedical Engineers	55.684	92,509	115.880	V	Yes	Yes	Deskelede desere		V	Yes	
17-2031	Chemical Engineers	63,090	102,182	125,693	Yes Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes Yes
17-2051	Civil Engineers	35.384	91.662	109.741	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
17-2051	Computer Hardware Engineers	62.650	112.041	130.253	Yes	Yes	Yes	Bachelor's degree	++	Yes	Yes	Yes
17-2001	Electrical Engineers	47.147	94,646	118.398	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	75.204	95.173	102.316	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
17-2081	Environmental Engineers	55,784	85,830	102,426	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	50,618	57,874	50,618	Yes	Yes	No	Bachelor's degree		Yes	No	No
17-2112	Industrial Engineers	64,207	94,926	107,932	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	48,249	73,043	85,899	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2131	Materials Engineers	53,221	86,976	106,554	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2141	Mechanical Engineers	55,295	93,694	112,108	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	43,483	90,571	101,873	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2161	Nuclear Engineers	75,936	109,448	118,624	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2171	Petroleum Engineers	62,921	122,931	147,481	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2199	Engineers, All Other	41,974	66,449	81,618	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-3011	Architectural and Civil Drafters	35,697	53,383	61,753	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters Mechanical Drafters	43,315	54,860	64,494	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3013 17-3019	Mechanical Drafters Drafters, All Other	31,434 38,124	49,405 53.429	55,362 60,556	No	No	No	Associate's degree		No	No	No
17-3019		38,124 34.026	73,165	100.037	Yes	Yes Yes	Yes Yes	Associate's degree		Yes	Yes Yes	Yes Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians Civil Engineering Technologists and Technicians	34,026	73,165 45.041	100,037	Yes No	Yes No	Yes No	Associate's degree		No No	Yes No	Yes No
17-3022	Electrical and Electronic Engineering Technologists and Technicians	30,924	60,262	78,520	Yes	Yes	Yes	Associate's degree Associate's degree		No	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	43,043	66,648	75,281	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	28,592	43.758	50.198	No.	No	No	Associate's degree		No	No	No
17-3026	Industrial Engineering Technologists and Technicians	38,282	52,529	58,369	Yes	Yes	Yes	Associate's degree		Yes	Yes	No
17-3027	Mechanical Engineering Technologists and Technicians	36,713	56.030	62,566	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3028	Calibration Technologists and Technicians	36,611	59,466	75,487	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3029	Engineering Technologists and Technicians, Except Drafters, All Other	31,930	54,662	59,974	No	Yes	Yes	Associate's degree		No	Yes	Yes
17-3031	Surveying and Mapping Technicians	30,309	46,642	53,619	No	No	No	Associate's degree		No	No	No
19-1011	Animal Scientists	34,944	76,442	113,970	Yes	Yes	Yes	Master's degree		No	Yes	Yes
19-1012	Food Scientists and Technologists	37,154	73,773	101,629	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
19-1013	Soil and Plant Scientists	37,313	77,762	96,985	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
19-1021	Biochemists and Biophysicists	37,547	82,229	103,633	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-1022	Microbiologists	34,092	56,067	68,680	Yes	Yes	Yes	Master's degree		No	No	No
19-1023	Zoologists and Wildlife Biologists	37,190	49,595	53,352	Yes	No	No	Master's degree	1 1	No	No	No
19-1029 19-1031	Biological Scientists, All Other	40,123	50,113	52,000	Yes	No	No	Bachelor's degree	11	No	No	No
19-1031 19-1032	Conservation Scientists Foresters	30,410 41.122	50,878 55,300	67,290 65,104	No Yes	No	Yes	Bachelor's degree	++	No No	No.	No No
						Yes	Yes	Bachelor's degree			No	
19-1041 19-1042	Epidemiologists Medical Scientists, Except Epidemiologists	54,195 57,723	81,564 105,244	95,983 117,810	Yes Yes	Yes Yes	Yes Yes	Doctoral or professional degree Bachelor's degree	++	No Yes	No Yes	No Yes
19-1042	Life Scientists, All Other	57,723	81,114	117,810 86.685	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-1099	Astronomers	52,818 72.940	81,114 149.195	209.288	Yes	Yes	Yes	Doctoral or professional degree	++	Yes	Yes	Yes
19-2012	Physicists	72,940	149,195	209,288	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	++	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	44,720	78,392	106.954	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
19-2031	Chemists	31,200	44,985	47,653	No	No	No	Bachelor's degree	1 1	No	No	No
19-2032	Materials Scientists	64,485	108,755	127,229	Yes	Yes	Yes	Bachelor's degree	11	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	36,462	47,827	52,000	Yes	No	No	Bachelor's degree		No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	48,901	63,319	66,539	Yes	Yes	Yes	Bachelor's degree	11	Yes	No	No
19-2043	Hydrologists	39,402	55,246	62,808	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
19-2099	Physical Scientists, All Other	42,378	101,124	125,290	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-3011	Economists	50,003	84,106	98,259	Yes	Yes	Yes	Master's degree	11	Yes	Yes	Yes
19-3022	Survey Researchers	49,532	94,363	119,672	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
19-3032	Industrial-Organizational Psychologists	69,691	119,935	145,131	Yes	Yes	Yes	Doctoral or professional degree		Yes	Yes	Yes
19-3033	Clinical and Counseling Psychologists	34,320	66,775	78,540	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3034	School Psychologists	38,009	53,911	72,096	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3039	Psychologists, All Other	66,206	105,004	122,678	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	Yes
	L	27.481	54.963	47.612	No	Yes	No	Master's degree	1 1	No	No	No
19-3041 19-3051	Sociologists Urban and Regional Planners	36.504	59,806	66,889	Yes	Yes	Yes	Master's degree		No	No	No

Wages - Workforce Re Way 2022	egion 5	Annual M	ages (\$) by Occupat	tion	Waga Maat	s or Evenode All (Occupation Metric			Maga Moots	s or Exceeds Educat	tional Loyal Matric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu				resentative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		rting Wage	Wage	Threshold
19-3091 19-3092	Anthropologists and Archeologists	40,602	58,658	62,619	Yes	Yes	Yes	Master's degree	No		No	No
19-3092	Geographers Historians	52,818 33,708	81,114 67.331	86,685 91,648	Yes Yes	Yes Yes	Yes Yes	Master's degree	Yes		Yes	Yes Yes
19-3094	Political Scientists	36.011	89,934	122.097	Yes	Yes	Yes	Master's degree Master's degree	No		Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	54,995	79,702	97,843	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
19-4012	Agricultural Technicians	28,137	37,425	43,446	No	No	No	Associate's degree	No		No	No
19-4013	Food Science Technicians	30,506	49,419	68,081	No	No	Yes	Associate's degree	No		No	Yes
19-4021	Biological Technicians	29,609	43,216	47,627	No	No	No	Bachelor's degree	No		No	No
19-4031 19-4042	Chemical Technicians	47,449 29.682	61,700 41.044	64,087 45,600	Yes No	Yes	Yes No	Associate's degree	Yes		Yes	Yes
19-4042	Environmental Science and Protection Technicians, Including Health Geological Technicians, Except Hydrologic Technicians	29,682	38,118	41,648	No No	No	No No	Associate's degree Associate's degree	No No		No No	No No
19-4044	Hydrologic Technicians	33,811	52,846	63.202	Yes	Yes	Yes	Associate's degree	No		Yes	Yes
19-4051	Nuclear Technicians	36,611	59,466	75,487	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
19-4061	Social Science Research Assistants	26,782	43,270	50,063	No	No	No	Bachelor's degree	No		No	No
19-4071	Forest and Conservation Technicians	32,578	51,498	61,100	No	No	Yes	Associate's degree	No		No	Yes
19-4092	Forensic Science Technicians	31,510	51,678	63,107	No	Yes	Yes	Bachelor's degree	No		No	No
19-4099 19-5011	Life, Physical, and Social Science Technicians, All Other	27,040	40,633	47,715	No	No	No	Bachelor's degree	No		No	No
19-5011	Occupational Health and Safety Specialists Occupational Health and Safety Technicians	29,622 37,772	59,040 58,371	76,332 65,075	No Yes	Yes	Yes Yes	Bachelor's degree	No Yes		No Yes	No Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	35,812	47,465	53,283	Yes	No	No	Postsecondary nondegree award Master's degree	No		No	No
21-1013	Marriage and Family Therapists	27,504	39,137	46,935	No	No	No	Master's degree	No		No	No
21-1015	Rehabilitation Counselors	22,380	38,195	42,929	No	No	No	Master's degree	No		No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	32,143	47,110	53,040	No	No	No	Bachelor's degree	No		No	No
21-1019	Counselors, All Other	37,003	42,366	47,382	Yes	No	No	Master's degree	No		No	No
21-1021 21-1022	Child, Family, and School Social Workers	29,951	44,500	51,283	No	No	No	Bachelor's degree	No		No	No
21-1022	Healthcare Social Workers Mental Health and Substance Abuse Social Workers	40,805 21.898	44,838 36.490	49,681 44,190	Yes No	No No	No No	Master's degree Bachelor's degree	No No		No No	No No
21-1025	Social Workers, All Other	31,200	49,914	57,200	No	No	No	Bachelor's degree	No		No	No
21-1025	Health Education Specialists	31,990	50,690	56,901	No	No	No	Bachelor's degree	No		No	No
21-1092	Probation Officers and Correctional Treatment Specialists	31,096	43,852	47,550	No	No	No	Bachelor's degree	No		No	No
21-1093	Social and Human Service Assistants	22,293	38,060	44,859	No	No	No	Some college, no degree	No		No	No
21-1094	Community Health Workers	28,303	41,735	43,407	No	No	No	Bachelor's degree	No		No	No
21-1099	Community and Social Service Specialists, All Other	28,472	46,437	52,327	No	No	No	Bachelor's degree	No		No	No
21-2011	Clergy	27,013	49,898	60,903	No	No	Yes	Master's degree	No		No	No
21-2021 21-2099	Directors, Religious Activities and Education Religious Workers, All Other	29,577 27,434	55,191 45.356	66,991 57,144	No No	Yes No	Yes No	Bachelor's degree	No No		No No	No No
23-1011	Lawyers	27,434 47,269	45,356 97,688	105,672	Yes	Yes	Yes	Bachelor's degree Doctoral or professional degree	No No		No No	No No
23-1012	Judicial Law Clerks	30.886	44,480	47.986	No	No	No	Doctoral or professional degree	No		No	No.
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	39,925	87,753	108,970	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
23-1022	Arbitrators, Mediators, and Conciliators	40,252	68,844	88,587	Yes	Yes	Yes	Bachelor's degree	No		No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	39,925	87,753	108,970	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
23-2011	Paralegals and Legal Assistants	35,113	50,027	59,414	Yes	No	Yes	Associate's degree	Yes		No	No
23-2093	Title Examiners, Abstractors, and Searchers	34,046	51,676	64,733	Yes No	Yes	Yes Yes	High school diploma or equivalent	Yes No		Yes	Yes No
25-1011	Legal Support Workers, All Other Business Teachers, Postsecondary	29,120 44.382	53,424 80.403	59,446 91.835	Yes	Yes	Yes	Associate's degree Doctoral or professional degree	No No		No.	No No
25-1021	Computer Science Teachers, Postsecondary	45,169	85,300	105,702	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1022	Mathematical Science Teachers, Postsecondary	44,700	71,217	84,363	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1031	Architecture Teachers, Postsecondary	36,339	96,423	120,899	Yes	Yes	Yes	Doctoral or professional degree	No		No	Yes
25-1032	Engineering Teachers, Postsecondary	44,064	84,579	116,358	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1041 25-1042	Agricultural Sciences Teachers, Postsecondary	42,079	58,380	70,983	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1042	Biological Science Teachers, Postsecondary Forestry and Conservation Science Teachers, Postsecondary	49,298 42.079	83,586 58.380	93,717 70,983	Yes Yes	Yes	Yes Yes	Doctoral or professional degree	No No		No No	No No
25-1043	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	43,839	60,243	58,371	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No		No	No
25-1052	Chemistry Teachers, Postsecondary	37,397	76,498	91,882	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1053	Environmental Science Teachers, Postsecondary	41,704	67,790	84,513	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1054	Physics Teachers, Postsecondary	44,925	60,384	59,672	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	43,839	79,878	93,848	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	45,534	62,781	72,079	Yes	Yes	Yes	Doctoral or professional degree	No No		No No	No
25-1063 25-1064	Economics Teachers, Postsecondary Geography Teachers, Postsecondary	44,054 43,839	55,787 60,243	51,217 58,371	Yes Yes	Yes	No Yes	Doctoral or professional degree Doctoral or professional degree	No No		No No	No No
25-1064	Political Science Teachers, Postsecondary	43,839	59,897	55,309	Yes	Yes	No No	Doctoral or professional degree	No		No	No
25-1066	Psychology Teachers, Postsecondary	44,682	76,714	87,257	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1067	Sociology Teachers, Postsecondary	44,869	94,485	112,846	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	43,436	61,124	71,920	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1071	Health Specialties Teachers, Postsecondary	44,579	87,940	95,365	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	45,178	75,056	88,736	Yes	Yes	Yes	Master's degree	No.		Yes	Yes
25-1081 25-1082	Education Teachers, Postsecondary Library Science Teachers, Postsecondary	35,524 45,393	69,972 69,532	80,328 76,620	Yes Yes	Yes	Yes Yes	Doctoral or professional degree	No No		No No	No No
25-1082	Criminal Justice and Law Enforcement Teachers, Postsecondary	45,393 40,056	54,560	76,620 57,051	Yes	Yes	Yes No	Doctoral or professional degree Doctoral or professional degree	No No		No No	No No
25-1112	Law Teachers, Postsecondary	42,491	132,369	195,730	Yes	Yes	Yes	Doctoral or professional degree	No		Yes	Yes
25-1113	Social Work Teachers, Postsecondary	57,397	65,833	72,341	Yes	Yes	Yes	Doctoral or professional degree	Yes		No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	43,979	82,004	92,257	Yes	Yes	Yes	Master's degree	No		Yes	Yes
25-1122	Communications Teachers, Postsecondary	43,052	75,037	93,081	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1123	English Language and Literature Teachers, Postsecondary	41,639	64,354	73,708	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	38,493	63,642	73,895	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1125 25-1126	History Teachers, Postsecondary Philosophy and Religion Teachers, Postsecondary	39,382 42.687	52,144 63.174	45,890 74,045	Yes	Yes	No	Doctoral or professional degree	No No		No No	No No
25-1126		42,687 35,524	63,174 69,972	74,045 80,328	Yes Yes	Yes	Yes Yes	Doctoral or professional degree	No No		No Yes	No Yes
£J-1124	Family and Consumer Sciences Teachers, Postsecondary	33,324	05,572	00,528	162	162	res	Master's degree	NO		162	162

Wages - Workforce Re Way 2022	egion 5	Annual W	ages (\$) by Occupat	tion	Waga Maat	e or Evcoade All (Occupation Metric		т т	Wage Meets	or Evenade Educat	tional Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	41,245	70,375	74,232	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1194 25-1199	Career/Technical Education Teachers, Postsecondary Postsecondary Teachers, All Other	29,773 34.785	48,727	50,146 72,706	No	No	No	Master's degree		No	No	No
25-1199 25-2011	Preschool Teachers, Except Special Education	34,785 21.989	61,639 33.517	72,706 34,934	Yes No	Yes No	Yes No	Doctoral or professional degree Associate's degree		No No	No No	No No
25-2011	Kindergarten Teachers, Except Special Education	21,989 44.000	60.650	63,018	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2021	Elementary School Teachers, Except Special Education	42,727	58.066	63.021	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2021	Middle School Teachers, Except Special and Career/Technical Education	42,727	56,164	63,076	Yes	Yes	Yes	Bachelor's degree	-	Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	44.635	61.685	69,906	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	No	No
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	44,945	59,582	62,646	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2032	Career/Technical Education Teachers, Secondary School	52,396	62,372	63,410	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2051	Special Education Teachers, Preschool	35,440	56,433	71,966	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	41,170	54,101	60,918	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2057	Special Education Teachers, Middle School	44,082	59,654	73,577	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2058	Special Education Teachers, Secondary School	43,539	62,004	72,800	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2059	Special Education Teachers, All Other	27,191	55,599	75,412	No	Yes	Yes	Bachelor's degree		No	No	No
	Adult Basic Education, Adult Secondary Education, and English as a Second											
25-3011	Language Instructors	39,104	56,972	63,697	Yes	Yes	Yes	Bachelor's degree	1	No	No	No
25-3021 25-3031	Self-Enrichment Teachers	21,737	41,951	48,671	No	No	No	Some college, no degree		No	Yes	Yes
25-3041	Substitute Teachers, Short-Term Tutors	22,357	40,436	36,326	No	No No	No No	Bachelor's degree		No	No	No
25-3041	Teachers and Instructors, All Other	23,091 21.661	38,890 55,682	55,215 63,003	No No	Yes	Yes	Bachelor's degree		No No	No No	No No
25-4011	Archivists	27,500	44,036	52,584	No	No	No No	Bachelor's degree Master's degree		No	No	No No
25-4011	Curators	28,080	50.413	63,700	No	No	Yes	Master's degree Master's degree		No	No	No
25-4012	Museum Technicians and Conservators	27,996	50,413 44.185	52,678	No	No.	No.	Bachelor's degree		No	No	No No
25-4013	Librarians and Media Collections Specialists	43,700	51,656	58,951	Yes	No	Yes	Master's degree		No	No	No No
25-4031	Library Technicians	32.844	39,181	46,608	Yes	No	No.	Associate's degree		No	No	No
25-9021	Farm and Home Management Educators	27,575	44,363	54.551	No	No	No	Master's degree		No	No	No
25-9031	Instructional Coordinators	35,526	49,817	54,961	Yes	No	No	Master's degree		No	No	No
25-9044	Teaching Assistants, Postsecondary	19,841	30,824	38,352	No	No	No	Bachelor's degree		No	No	No
25-9045	Teaching Assistants, Except Postsecondary	21,591	28,266	29,319	No	No	No	Some college, no degree		No	No	No
25-9099	Educational Instruction and Library Workers, All Other	27,040	44,412	48,934	No	No	No	Bachelor's degree		No	No	No
27-1011	Art Directors	33,904	87,922	84,581	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
27-1012	Craft Artists	19,906	32,144	37,069	No	No	No	Some college, no degree		No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	25,740	44,242	44,579	No	No	No	Bachelor's degree		No	No	No
27-1014	Special Effects Artists and Animators	43,343	62,051	71,217	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
27-1019	Artists and Related Workers, All Other	24,785	47,706	55,478	No	No	No	Some college, no degree		No	Yes	Yes
27-1021	Commercial and Industrial Designers	20,800	63,305	88,785	No	Yes	Yes	Bachelor's degree		No	No	Yes
27-1022	Fashion Designers	35,047	63,287	74,420	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1023	Floral Designers	24,728	33,237	36,997	No	No	No	High school diploma or equivalent		No	No	No
27-1024	Graphic Designers	30,811	50,810	58,673	No	No	Yes	Bachelor's degree		No	No	No
27-1025	Interior Designers	31,497	48,245	62,782	No	No	Yes	Bachelor's degree		No	No	No
27-1026 27-1027	Merchandise Displayers and Window Trimmers Set and Exhibit Designers	26,547	33,012	35,277	No	No	No	Some college, no degree		No	No	No
27-1027	Designers, All Other	34,167 27,266	43,193	44,719 70.627	Yes	No	No	Bachelor's degree		No	No	No
27-2011	Actors	27,266	57,331 32,163	30,047	No No	Yes No	Yes No	Bachelor's degree Some college, no degree		No Yes	No No	No No
27-2011	Producers and Directors	36.488	67,559	80,595	Yes	Yes	Yes	Bachelor's degree	-	No	No	No
27-2012	Athletes and Sports Competitors	23,773	60.655	60,318	No No	Yes	Yes	Some college, no degree		No	Yes	Yes
27-2022	Coaches and Scouts	26,158	50,000	45,749	No	No	No	Bachelor's degree		No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	52,388	178.960	208.000	Yes	Yes	Yes	Some college, no degree	-	Yes	Yes	Yes
27-2031	Dancers	28,202	32,163	30.047	No	No	No	High school diploma or equivalent		No	No	No
27-2032	Choreographers	28,202	32,163	30,047	No	No	No	Some college, no degree		Yes	No	No
27-2041	Music Directors and Composers	29,728	65,693	77,996	No	Yes	Yes	Bachelor's degree		No	No	No
27-2042	Musicians and Singers	28,202	32,163	30,047	No	No	No	Some college, no degree	1 1	Yes	No	No
27-2091	Disc Jockeys, Except Radio	20,787	56,835	56,283	No	Yes	No	Bachelor's degree		No	No	No
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	20,787	56,835	56,283	No	Yes	No	Some college, no degree		No	Yes	Yes
27-3011	Broadcast Announcers and Radio Disc Jockeys	20,787	56,835	56,283	No	Yes	No	Bachelor's degree		No	No	No
27-3023	News Analysts, Reporters, and Journalists	33,942	67,828	80,927	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3031	Public Relations Specialists	33,459	70,103	74,584	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3041	Editors	43,747	65,773	78,448	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
27-3042	Technical Writers	48,716	76,247	81,047	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
27-3043	Writers and Authors	31,101	67,295	72,106	No	Yes	Yes	Bachelor's degree		No	No	No
27-3091	Interpreters and Translators	34,832	51,052	54,995	Yes	No	No	Bachelor's degree		No	No	No
27-3092	Court Reporters and Simultaneous Captioners	26,965	50,237	60,715	No No	No	Yes	Postsecondary nondegree award		No	Yes	Yes
27-3099 27-4011	Media and Communication Workers, All Other Audio and Video Technicians	20,800 30,861	34,914 49,246	41,787 53.010	No No	No No	No No	Associate's degree		No	No	No
27-4011 27-4012		30,861 24,638	,=		No No	No No	No No	Associate's degree		No No	No	No
27-4012	Broadcast Technicians	,	45,912	57,024				Associate's degree			No	No
27-4014	Sound Engineering Technicians Lighting Technicians	25,318 28.081	63,446 46.142	94,410 56,788	No No	Yes No	Yes No	Associate's degree		No No	Yes No	Yes No
27-4015	Photographers	28,081	46,142 33,105	36,200	No	No	No No	Associate's degree Some college, no degree		No	No No	No No
27-4021	Camera Operators, Television, Video, and Film	23,248	55,290	61.067	No No	Yes	Yes	Bachelor's degree		No No	No No	No No
27-4032	Film and Video Editors	33,588	44,727	44,435	Yes	No	No No	Bachelor's degree	++	No	No	No
27-4099	Media and Communication Equipment Workers, All Other	26.142	63.006	86.685	No.	Yes	Yes	Associate's degree	1 1	No	Yes	Yes
29-1011	Chiropractors	44,355	78,950	91,686	Yes	Yes	Yes	Doctoral or professional degree		No	No	No.
29-1011	Dentists, General	101,177	174.263	204,535	Yes	Yes	Yes	Doctoral or professional degree		Yes	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	37,440	244,366	204,333	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*
29-1023	Orthodontists	65.927	160,047	199.345	Yes	Yes	Yes	Doctoral or professional degree		Yes	Yes	Yes
29-1024	Prosthodontists	49,185	212,837	*	Yes	Yes	Yes*	Doctoral or professional degree	+	No	Yes	Yes*
29-1029	Dentists, All Other Specialists	49,185	212,837	*	Yes	Yes	Yes*	Doctoral or professional degree	1 1	No	Yes	Yes*
	1	45,205			1			p. p. c. catalonial degree				

Wages - Workforce Re May 2022	egion 5	A	ages (\$) by Occupat		14/ 844	Fd- All (Occupation Metric			e Meets or Exceeds Edu	
way 2022			Average Annual	High-Level Wage	Representative	Average Annu			Represen		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting V		Threshold
29-1031	Dietitians and Nutritionists	42,798	57,836	62,396	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1041 29-1051	Optometrists Pharmacists	35,048 66,686	134,835 114.920	162,422 134,272	Yes Yes	Yes	Yes Yes	Doctoral or professional degree	No Yes	Yes Yes	Yes Yes
29-1051	Physician Assistants	78.814	114,920	134,272	Yes	Yes	Yes	Doctoral or professional degree Master's degree	Yes	Yes	Yes
29-1071	Podiatrists	28.998	122,425	174.260	No	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1122	Occupational Therapists	54,725	83,859	98,583	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	53,326	88,260	102,316	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	67,758	82,472	93,643	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1125	Recreational Therapists	34,428	46,746	55,754	Yes	No	No	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	50,460	68,039	73,519	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127 29-1128	Speech-Language Pathologists	60,107	83,789	95,388	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists Therapists, All Other	37,097 37.536	49,672 62,350	53,118 52,286	Yes Yes	No Yes	No No	Master's degree	No No	No No	No No
29-1125	Veterinarians	58.841	105,821	125.535	Yes	Yes	Yes	Bachelor's degree Doctoral or professional degree	Yes	No	Yes
29-1141	Registered Nurses	57.191	71.903	78,749	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
29-1151	Nurse Anesthetists	74,045	172,962	180,227	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	45,304	84,098	101,385	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-1171	Nurse Practitioners	86,775	137,955	128,459	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	58,043	88,979	100,590	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1211	Anesthesiologists	181,014	434,133	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1212	Cardiologists	185,453	688,676	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1213	Dermatologists - Devision - Devis	63,548	182,613	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1214 29-1215	Emergency Medicine Physicians Family Medicine Physicians	172,013	320,055 221,994	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215 29-1216	General Internal Medicine Physicians	127,353 57,220	221,994 331,450		Yes Yes	Yes	Yes* Yes*	Doctoral or professional degree Doctoral or professional degree	Yes	Yes Yes	Yes* Yes*
29-1217	Neurologists	87,406	257.257	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1218	Obstetricians and Gynecologists	213,261	294,192	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	112,668	207,217	223,062	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1222	Physicians, Pathologists	93,081	238,446	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1223	Psychiatrists	50,408	238,017	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1224	Radiologists	47,640	285,047	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1229	Physicians, All Other	125,202	241,889	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1241	Ophthalmologists, Except Pediatric	95,515	205,599	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1242	Orthopedic Surgeons, Except Pediatric	60,861	300,028	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1243 29-1249	Pediatric Surgeons Surgeons, All Other	60,861 61.314	300,028 388.240		Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1249	Acupuncturists	27,154	47,341	51,114	Yes No	Yes No	Yes* No	Doctoral or professional degree Master's degree	Yes No	Yes No	Yes* No
29-1292	Dental Hygienists	55.308	68.388	75.030	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1299	Healthcare Diagnosing or Treating Practitioners, All Other	68,411	140,611	180,255	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-2010	Clinical Laboratory Technologists and Technicians	27,626	49,666	62,710	No	No	Yes	Associate's degree	No	No	Yes
29-2031	Cardiovascular Technologists and Technicians	27,915	42,143	60,951	No	No	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	56,772	77,958	80,518	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	61,983	77,100	79,034	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	37,298	58,546	62,095	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	40,234	64,391	73,511	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2036 29-2042	Medical Dosimetrists Emergency Medical Technicians	94,588 24.614	119,663 32.020	133,024 36.331	Yes No	Yes No	Yes No	Postsecondary nondegree award Postsecondary nondegree award	Yes No	Yes No	Yes No
29-2043	Paramedics	35,710	47,845	48,492	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2051	Dietetic Technicians	26,278	28,561	30,770	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	28,507	34,997	36,815	No	No	No	Postsecondary nondegree award	Yes	No	No
29-2053	Psychiatric Technicians	25,357	32,245	34,497	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	22,397	41,817	47,987	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-2056	Veterinary Technologists and Technicians	26,922	35,640	42,048	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	26,832	32,872	35,810	No	No	No	Postsecondary nondegree award	No	No	No
29-2061 29-2072	Licensed Practical and Licensed Vocational Nurses	39,151	48,869	51,536	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2072	Medical Records Specialists Opticians, Dispensing	28,476 28,582	44,771 49,504	54,569 62,099	No No	No No	No Yes	Postsecondary nondegree award	Yes	Yes Yes	Yes Yes
29-2091	Orthotists and Prosthetists	39,925	78,165	90.871	Yes	Yes	Yes	Postsecondary nondegree award Master's degree	No	Yes	Yes
29-2092	Hearing Aid Specialists	29,213	49,682	62,734	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2099	Health Technologists and Technicians, All Other	30,691	40,137	43,228	No	No	No	Postsecondary nondegree award	Yes	No	No
29-9021	Health Information Technologists and Medical Registrars	30,841	54,798	78,275	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	37,144	51,620	57,406	Yes	No	No	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	48,165	83,118	96,423	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9093	Surgical Assistants	24,011	47,307	50,529	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-9099	Healthcare Practitioners and Technical Workers, All Other	30,462	88,518	119,517	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120 31-1131	Home Health and Personal Care Aides	20,985	27,296	29,531	No No	No	No No	High school diploma or equivalent	No	No	No No
31-1131	Nursing Assistants Orderlies	22,643 27.040	28,246 31.409	31,106 33,280	No No	No No	No No	Postsecondary nondegree award	No No	No No	No No
31-1133	Psychiatric Aides	27,040	31,409	34,070	No	No	No	High school diploma or equivalent High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	39.662	57,387	66.215	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	28,034	52,453	63,970	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
31-2021	Physical Therapist Assistants	45,841	61,333	68,053	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	23,774	26,402	27,547	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	27,154	47,341	51,114	No	No	No	Postsecondary nondegree award	No	Yes	Yes
31-9091	Dental Assistants	30,140	38,454	43,390	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9092	Medical Assistants	29,627	34,934	36,709	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9093	Medical Equipment Preparers	24,186	31,760	36,516	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	25,110	37,165	43,929	No	No	No	Postsecondary nondegree award	No	No	No

Wages - Workforce Re May 2022	egion 5	A	ages (\$) by Occupat	e I		14/ 84		Occupation Metric			14/ 84	or Exceeds Education	
way 2022			Average Annual	High-Level Wage			Average Annu			 -	Representative	Average Annual	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)			Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
31-9095	Pharmacy Aides	22,787	27,974	29,950	No		No	No	High school diploma or equivalent		No	No	No
31-9096 31-9097	Veterinary Assistants and Laboratory Animal Caretakers	24,201	30,146	34,007	No		No	No	High school diploma or equivalent		No	No	No
31-9097	Phlebotomists Healthcare Support Workers, All Other	29,161 25.626	33,842 35.967	35,842 39,728	No No		No No	No No	Postsecondary nondegree award High school diploma or equivalent		Yes No	No No	No No
33-1011	First-Line Supervisors of Correctional Officers	42,099	50,207	49,878	Yes		No	No			Yes	Yes	Yes
33-1011	First-Line Supervisors of Police and Detectives	57.767	88.010	108.164	Yes		Yes	Yes	Some college, no degree Bachelor's degree		Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	39,645	84,031	92,577	Yes		Yes	Yes	Associate's degree		Yes	Yes	Yes
33-1091	First-Line Supervisors of Security Workers	29,635	46,846	48,973	No		No	No	Bachelor's degree		No	No	No
33-1099	First-Line Supervisors of Protective Service Workers, All Other	24,567	49,406	62,421	No		No	Yes	Some college, no degree	l f	No	Yes	Yes
33-2011	Firefighters	31,200	44,988	58,711	No		No	Yes	Postsecondary nondegree award		Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	36,837	72,884	87,364	Yes		Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	52,116	85,702	96,751	Yes		Yes	Yes	Some college, no degree		Yes	Yes	Yes
33-3011	Bailiffs	27,322	51,845	61,058	No		Yes	Yes	High school diploma or equivalent		No	Yes	Yes
33-3012 33-3021	Correctional Officers and Jailers	38,750 31,782	45,801 59.350	51,529 77,730	Yes		No	No	High school diploma or equivalent		Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators Fish and Game Wardens	25,318	27,453	77,730 27,612	No No		Yes No	Yes No	Some college, no degree		Yes No	Yes No	Yes No
33-3031	Parking Enforcement Workers	25,318	38.137	39.691	No No		No	No No	Bachelor's degree		Yes	No No	No No
33-3051	Police and Sheriff's Patrol Officers	38,043	61,447	39,691 84.257	Yes		Yes	Yes	High school diploma or equivalent Associate's degree		Yes	Yes	Yes
33-3052	Transit and Railroad Police	55,918	69,476	57,022	Yes		Yes	No	Associate's degree		Yes	Yes	No
33-9011	Animal Control Workers	31,754	40,373	40,067	No		No	No	Postsecondary nondegree award		Yes	No	No
33-9021	Private Detectives and Investigators	32,265	51,328	59,010	No		No	Yes	Bachelor's degree		No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	26,564	33,361	36,161	No		No	No	High school diploma or equivalent		No	No	No
33-9032	Security Guards	22,333	30,272	32,097	No		No	No	High school diploma or equivalent		No	No	No
33-9091	Crossing Guards and Flaggers	23,595	28,702	31,599	No		No	No	No formal educational credential		Yes	Yes	Yes
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	20,948	24,816	25,935	No		No	No	No formal educational credential		No	No	No
33-9093	Transportation Security Screeners	35,277	42,066	46,280	Yes		No	No	High school diploma or equivalent		Yes	No	No
33-9094	School Bus Monitors	24,405	24,684	24,811	No		No	No	High school diploma or equivalent		No	No	No
33-9099	Protective Service Workers, All Other	25,118	34,452	35,734	No		No	No	High school diploma or equivalent		No	No	No
35-1011	Chefs and Head Cooks	31,506	52,178	62,615	No		Yes	Yes	Associate's degree		No	Yes	Yes
35-1012 35-2011	First-Line Supervisors of Food Preparation and Serving Workers Cooks, Fast Food	25,448	36,087 24.544	42,334 26,600	No No		No	No No	High school diploma or equivalent		No	No	No
35-2011	Cooks, Institution and Cafeteria	21,079	24,544	26,600 31.501	No No		No No	No No	No formal educational credential No formal educational credential		No Yes	No Yes	No Yes
35-2012	Cooks, Private Household	30,290	29,549 55.112	67.912	No		Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
35-2013	Cooks, Restaurant	22,942	29,485	33.182	No		No	No.	High school diploma or equivalent		No	No	No
35-2014	Cooks, Short Order	22,217	29,032	30,939	No		No	No	No formal educational credential		Yes	Yes	No
35-2019	Cooks, All Other	24.016	32.471	34,603	No		No	No	No formal educational credential		Yes	Yes	Yes
35-2021	Food Preparation Workers	21,983	28,876	32,282	No		No	No	No formal educational credential		No	Yes	Yes
35-3011	Bartenders	20,800	32,235	36,476	No		No	No	No formal educational credential		No	Yes	Yes
35-3023	Fast Food and Counter Workers	20,946	23,717	26,239	No		No	No	No formal educational credential		No	No	No
35-3031	Waiters and Waitresses	20,800	29,910	34,464	No		No	No	No formal educational credential		No	Yes	Yes
35-3041	Food Servers, Nonrestaurant	22,136	26,625	27,716	No		No	No	No formal educational credential		No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	20,800	26,626	30,798	No		No	No	No formal educational credential		No	No	No
35-9021	Dishwashers	21,208	24,752	26,551	No		No	No	No formal educational credential		No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	20,800	26,075	27,695	No		No	No	No formal educational credential		No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	20,777	26,442	27,051	No		No	No	No formal educational credential		No	No	No
37-1011 37-1012	First-Line Supervisors of Housekeeping and Janitorial Workers First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	28,038 30,253	42,025 47.197	48,837 56.662	No No		No No	No No	High school diploma or equivalent Some college, no degree		No Yes	No Yes	Yes Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	21,064	26,695	28,560	No		No	No	High school diploma or equivalent		No	No	No
37-2011	Maids and Housekeeping Cleaners	21,492	26,029	28,275	No		No	No	No formal educational credential		No	No	No
37-2019	Building Cleaning Workers, All Other	22,884	28,483	31,086	No		No	No	No formal educational credential		Yes	No	No
37-2021	Pest Control Workers	29,586	39,863	45,907	No		No	No	High school diploma or equivalent		Yes	No	No
37-3011	Landscaping and Groundskeeping Workers	26,236	30,788	34,197	No		No	No	No formal educational credential		Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	21,555	32,184	36,936	No		No	No	High school diploma or equivalent		No	No	No
37-3013	Tree Trimmers and Pruners	26,236	36,788	44,167	No		No	No	High school diploma or equivalent		No	No	No
37-3019	Grounds Maintenance Workers, All Other												
39-1013	First-Line Supervisors of Gambling Services Workers	30,899	54,054	66,339	No		Yes	Yes	Some college, no degree		Yes	Yes	Yes
	First-Line Supervisors of Entertainment and Recreation Workers, Except												
39-1014	Gambling Services	29,282	49,997	55,720	No		No	No	Some college, no degree	$\sqcup \bot$	Yes	Yes	Yes
39-1022	First-Line Supervisors of Personal Service Workers	26,539	42,590	48,523	No		No	No	Some college, no degree		No	Yes	Yes
39-2011	Animal Trainers	26,257	29,803	28,993	No		No	No	High school diploma or equivalent		No	No	No
39-2021 39-3011	Animal Caretakers	22,509	27,403	28,484	No		No	No No	High school diploma or equivalent		No	No	No No
39-3011	Gambling Dealers Gambling and Sports Book Writers and Runners	20,103	32,959 26,779	44,513 28.811	No No		No No	No No	High school diploma or equivalent		No No	No No	No No
39-3012	Gambling Service Workers, All Other	19.476	30.328	35.262	No		No	No	High school diploma or equivalent High school diploma or equivalent		No	No	No No
39-3021	Motion Picture Projectionists	29,794	36,011	40,262	No		No	No	No formal educational credential		Yes	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	20,075	24,672	26,564	No		No	No	No formal educational credential		No	No	No
39-3091	Amusement and Recreation Attendants	20,800	24,720	27,347	No		No	No	No formal educational credential		No	No	No
39-3092	Costume Attendants	24,213	38,895	45,262	No		No	No	High school diploma or equivalent		No	No	No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	21,217	28,361	31,011	No		No	No	High school diploma or equivalent		No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	21,807	27,144	27,191	No		No	No	High school diploma or equivalent		No	No	No
39-4011	Embalmers	30,590	43,717	48,979	No		No	No	Associate's degree		No	No	No
39-4012	Crematory Operators	29,101	37,088	44,326	No		No	No	High school diploma or equivalent		Yes	No	No
39-4021	Funeral Attendants	22,144	28,549	31,620	No		No	No	High school diploma or equivalent	$\sqcup \bot$	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	32,472	51,976	60,496	No		Yes	Yes	Associate's degree		No	Yes	Yes
39-5011	Barbers Hairdraceare Hairstyliste and Cosmotologiste	20,800	31,007	35,183	No		No	No No	Postsecondary nondegree award		No	No	No
39-5012 39-5091	Hairdressers, Hairstylists, and Cosmetologists Makeup Artists, Theatrical and Performance	21,599 35,272	33,521 40.983	38,847 36,348	No Yes		No No	No No	Postsecondary nondegree award	\vdash	No Yes	No Yes	No No
39-5091 39-5092	Manicurists and Pedicurists	35,272 21,049	40,983 31,414	36,348 32,978	Yes No		No No	No No	Postsecondary nondegree award	\vdash	Yes No	Yes No	No No
33-3032	manicurists dilu redicurists	21,049	31,414	32,978	INO		INU	NU	Postsecondary nondegree award		IVU	NU	INU

Wages - Workforce Re May 2022	egion 5	Annual W	ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All O	ccupation Metric		Wage Mee	ets or Exceeds Educa	tional Level Metric
,			Average Annual	High-Level Wage	Representative	Average Annu			Representative		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
39-5093 39-5094	Shampooers	19,476	22,978	24,794	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	25,437	39,759	45,336	No	No No	No No	Postsecondary nondegree award	No No	No	No No
39-6011	Baggage Porters and Bellhops	20,243 22,459	27,781 31,668	32,257 34,503	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
39-7010	Concierges Tour and Travel Guides	22,433	24.301	23,207	No	No	No	High school diploma or equivalent High school diploma or equivalent	No No	No	No
39-9011	Childcare Workers	21,258	26,017	28,136	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	20,800	36.683	45.657	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	25,562	26,081	25,562	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	23,002	34,687	39,052	No	No	No	Some college, no degree	No	No	No
39-9099	Personal Care and Service Workers, All Other	20,800	27,894	32,870	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	26,606	45,982	54,409	No	No	No	Some college, no degree	No	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	39,852	93,962	109,664	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	20,800	24,917	27,349	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	19,878	31,161	32,285	No	No	No	No formal educational credential	No	Yes	Yes
41-2021	Counter and Rental Clerks	23,428	34,715	40,815	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	21,593	34,067	39,355	No	No	No	High school diploma or equivalent	No	No	No
41-2031 41-3011	Retail Salespersons	20,965	29,565	30,290	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents Insurance Sales Agents	35,630 29,520	63,114 60,938	64,506 72,679	Yes No	Yes	Yes Yes	Some college, no degree	Yes	Yes	Yes Yes
41-3021	Securities, Commodities, and Financial Services Sales Agents	29,520 36,005	69,609	72,679 75.881	Yes		Yes	Postsecondary nondegree award Bachelor's degree	Yes No	Yes No	Yes No
41-3041	Travel Agents	25,084	42,698	52,876	No No	Yes No	No No		No	Yes	Yes
41-3041	Sales Representatives of Services, Except Advertising, Insurance, Financial	23,004	42,038	32,070	NU	INU	INU	Some college, no degree	INU	res	ies
41-3091	Services, and Travel	30,592	60,405	72,011	No	Yes	Yes	Bachelor's degree	No	No	No
	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific	30,332	30,703	,2,011	1				1 1		
41-4011	Products	39,998	88,211	101,364	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
	Sales Representatives, Wholesale and Manufacturing, Except Technical and	,	,	,					1 1		
41-4012	Scientific Products	30,450	65,584	75,239	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	19,831	45,964	73,174	No	No	Yes	No formal educational credential	No	Yes	Yes
41-9012	Models	20,581	30,599	32,903	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	29,711	69,813	88,123	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	21,398	46,324	55,619	No	No	No	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	45,674	115,609	150,487	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	20,112	29,345	30,787	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	20,187	33,221	46,742	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	20,833	36,383	39,906	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	34,846	57,761	68,569	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	24,042	26,219	27,040	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	24,401	29,316	32,097	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	21,751	46,058	54,017	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-3011	Bill and Account Collectors	30,828	41,110	46,184	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	27,777	37,184	40,758	No	No	No	High school diploma or equivalent	No	No	No
43-3031 43-3041	Bookkeeping, Accounting, and Auditing Clerks	29,082	43,896	47,449	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	20,777	30,009	35,702	No	No	No No	High school diploma or equivalent	No	No	No
43-3061	Payroll and Timekeeping Clerks Procurement Clerks	32,991 29,414	43,183 39,095	46,680 49,213	Yes No	No No	No No	Some college, no degree	Yes No	Yes No	Yes No
43-3001	Tallars	28,153	33,896	37,025	No	No	No	Associate's degree	No	No	No
43-3071	Financial Clerks, All Other	28,530	46,356	54,853	No.	No	No	High school diploma or equivalent Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	34,888	51,938	56,367	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	31,311	34,972	38.015	No.	No	No	High school diploma or equivalent	Yes	No	No
43-4031	Court, Municipal, and License Clerks	30,503	37,747	39,009	No	No	No	Some college, no degree	Yes	No	No
43-4041	Credit Authorizers, Checkers, and Clerks	27,032	40,899	47,669	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	24,353	32,625	35,874	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	27,040	31,533	31,200	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	27,040	34,405	46,117	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	22,484	26,747	27,693	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	25,473	33,990	38,033	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	25,139	30,915	29,218	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	31,225	43,991	54,318	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	33,951	40,665	44,045	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	24,038	33,651	35,997	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	29,120	38,650	43,779	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	22,090	29,937	33,556	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	20,800	45,550	70,301	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
43-4199	Information and Record Clerks, All Other	28,924	38,974	43,927	No	No	No	High school diploma or equivalent	Yes	No	No
43-5011	Cargo and Freight Agents	39,088	47,084	49,354	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5021 43-5031	Couriers and Messengers	21,988	30,460	33,380	No	No	No No	High school diploma or equivalent	No No	No No	No
43-5031 43-5032	Public Safety Telecommunicators Dispatchers, Event Police, Fire, and Ambulance	25,276	37,285	40,386	No No	No	No No	High school diploma or equivalent	No No	No No	No No
43-5032	Dispatchers, Except Police, Fire, and Ambulance Meter Readers, Utilities	27,907	39,547 43,247	46,843 59.023	No No	No	No	High school diploma or equivalent	No	No	No
43-5041	Postal Service Clerks	29,409 39,770	43,247 54,439	59,023 65,083	No Vec	No Yes	Yes Yes	High school diploma or equivalent	Yes Yes	Yes	Yes Yes
43-5051	Postal Service Cierks Postal Service Mail Carriers	39,770	54,439	67,808	Yes Yes	Yes	Yes	High school diploma or equivalent High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers Postal Service Mail Sorters, Processors, and Processing Machine Operators	39,770	52,996	67,163	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	32,048	44.948	51.368	No.	No	No.	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	24,592	33,779	37,542	No	No	No	High school diploma or equivalent	No No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	24,592	33,335	38,564	No	No	No	High school diploma or equivalent	No	No	No
	Executive Secretaries and Executive Administrative Assistants	35,006	49,915	58,863	Yes	No	Yes	Some college, no degree	Yes	Yes	Yes
43-6011			,	30,003			,				
43-6011 43-6012	Legal Secretaries and Administrative Assistants	30.877	41.799	44,989	No	No	No	Some college, no degree	Yes	Yes	No

Page	Vages - Workforce Re	egion 5	A	/ /ĉ\ h O	e		 F				14/ 844-	F d- F-d	
Description Companies (Principles Companies Co	May 2022									-			
Section 1972 1986	Occupational Code	Occupational Title							Educational Requirement				Threshold
Section Sect		·		-					·				
1985 1985				,	,	No							No
Section Control processes Control proces		, ,	,.	. ,	,								
Section			/		0.,000								
4.66 March			,	-,	,								Yes
Sept	43-9051												No
September March			24,001	35,780	40,820	No	No	No			No	No	No
Section Section Accordance Section Sec			,		-,								No
Section Continue of Section Continue o													
Second Content Second Content February Second Conten			,	,	,=								
Second													
Section Continue for surfacement producted production Continue for surfacement production Continue for surfacement Cont	45-2011												No
45-90.50 Aground fragment Greeners 1,46-90 1,46-9	45-2021	Animal Breeders	25,328	34,878	36,891	No	No	No	High school diploma or equivalent		No	No	No
Second Proposed and protection of control protection 1,74 at 2,77 at 1,77			.,		-,-								No
August September Septemb													Yes
4-2001										\vdash			
Add					.,								
Section Section and Commentation Worksome 20,000													Yes
Second Perform	45-4011												Yes
5-6000 Top General restrictions 15,000 1						Yes			High school diploma or equivalent		Yes	Yes	Yes
1.05 1.05													No
A-1-10 Similar for forement of Contractors Frieder and Farestrian Warners 20,044 2,000 73,040 74,04		.0											No
## 47-2012 Solemakers 19,297 3,2421 19,5174 19													
47-2012 Britamesone 15-20-27 40-197 40-50 No													
27-2022 Spannessons			,										Yes
2-7-2013 Copyright troublems 22,047	47-2022	Stonemasons	27,294	43,521	54,036	No	No	No					Yes
47-2052 Floor Layers, Expect Curpet, Wood, and from Time			29,402				No	No	Postsecondary nondegree award		Yes	Yes	No
## 27-2013 Four Sandarrs and Finisher 22,743 3,8,845 4,198 4,724 4,181 4,724 4,724 4,181 4,724 4				,	,								Yes
## 24-2044 Tile and Strone Setters 29,432 41,181 43,794 No			. ,.		,								
## 27-2013 Cement Masons and Concrete Finishers 23,131 41,389 47,254 Vo No No No No No No No				,	,								
4-7205 Ferrazza Workers and Frinchers 32,893 46,633 54,102 70.000 70.					., .								Yes
## 2-2012 Pareng, Furning, and Tamping Equipment Operators 22,727 37,827 41,957 100 No No No 1889 school delplanes or equivalent Yes Yes No No No 1899 school delplanes or equivalent Yes Yes No No No 1899 school delplanes or equivalent Yes Yes No No No No 1899 school delplanes or equivalent Yes Yes No No No No No No No No	47-2053				54,101	Yes	No	No					Yes
## 47-2073 Pile Direct Operators 32,475 45,281 46,689 No No No Pigh school deplorms or equivalent Yes No No No Pigh school deplorms or equivalent Yes No No No Pigh school deplorms or equivalent Yes No No No Pigh school deplorms or equivalent Yes No No No Pigh school deplorms or equivalent Yes No No No Pigh school deplorms or equivalent Yes No No No No Pigh school deplorms or equivalent Yes No No No No Pigh school deplorms or equivalent Yes No No No No Pigh school deplorms or equivalent Yes		Construction Laborers	26,223	35,422	38,896	No	No	No	No formal educational credential		Yes	Yes	Yes
47-2073 Operating Engineers and Other Construction Equipment Operators 29.917 39.714 43,082 No.			,	- ,	,								No
## 2-79282 Tapers		·											
## 27-2022 Tapers 26,779 39,298 44,111 No													
47-2111 Sectricians													
47-2132 Glaziers 26,779 39,298 44,111 No No No No High school diploma or equivalent No		1-1-1-1											Yes
47-2131 Insulation Workers, Floor, Celling, and Wall 27,416 40,721 45,248 No No No High-school diploma or equivalent No No No A7-2141 Painters, Construction and Maintenance 28,256 36,555 41,624 No No No High-school diploma or equivalent Yes Y	47-2121	Glaziers	26,779			No	No	No			No	No	No
### 47-2141 Painters, Construction and Maintenance 28,256 36,555 41,624 No No No No No Formal educational credential Yes Yes		Insulation Workers, Floor, Ceiling, and Wall	27,416	40,721	45,243	No	No	No	High school diploma or equivalent		No	No	No
47-2142 Paperhagners		·											No
47-2151 Pipulespres Pipu			-,	,						1			Yes
Pubmers, Pipefitters, and Steamfitters					,								
47-2151 Plasterers and Stucco Massons 25,197 39,139 44,288 No No No No flarest delighers or equivalent Yes Y													
47-2171 Reinforcing Iron and Rebar Workers 33,006 43,942 51,582 Yes No No High school diploma or equivalent Yes Yes Yes Yes 47-2211 Sheet Metal Workers 23,859 41,604 45,795 No No No No High school diploma or equivalent Yes Yes Yes Yes 47-2211 Sheet Metal Workers 30,671 40,039 33,776 No No No No High school diploma or equivalent Yes No No No No No High school diploma or equivalent Yes No No No No No No No High school diploma or equivalent Yes No No No No No No No N													Yes
47-2211 Sheek Metal Workers 28,999 41,604 45,795 No	47-2171	Reinforcing Iron and Rebar Workers	33,006	43,942	51,582	Yes							Yes
47-2221 Structural from and Steel Workers 30,671 40,039 38,776 No		****							No formal educational credential		Yes		Yes
47-2211 Solar Photovoltalic Installers Solar Photovoltalic I				,	-,								No
47-3012 Helpers-Enickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters 20,800 31,032 34,333 No			,-	-,	,					\vdash			
47-3012 Helpers-Carpenters 25,749 32,329 33,518 34,382 No													
47-3013 Helpers—Electricians 27,985 31,648 34,382 No					. ,								Yes
47-3014 Helpers-Painters, Plasterers, and Stucco Masons 24,963 29,448 30,833 No N						No							No
47-3016 Helpers-Roofers 27,978 33,942 36,077 No No No No No Formal educational credential Yes	47-3014				30,833		No		No formal educational credential		Yes	Yes	No
47-3019 Helpers, Construction Trades, All Other 28,861 35,193 37,188 No No No No No No Formal educational credential Yes Yes Yes 47-4021 Construction and Building Inspectors 40,319 57,656 66,170 Yes Yes Yes Postsecondary nondegree award Yes Yes Yes Yes 47-4021 Elevator and Escalator Installers and Repairers 45,684 79,223 96,461 Yes Yes Yes Postsecondary nondegree award Yes Yes Yes Yes Yes Yes Postsecondary nondegree award Yes													No
47-4011 Construction and Building Inspectors 40,319 57,656 66,170 Yes Yes Yes Postsecondary nondegree award Yes Yes Yes 47-4021 Elevator and Escalator Installers and Repairers 45,654 79,223 96,461 Yes Yes Yes Postsecondary nondegree award Yes Yes Yes Yes 47-4021 Elevator and Escalator Installers and Repairers 45,654 79,223 96,461 Yes Yes Yes Postsecondary nondegree award Yes Yes Yes Yes Yes 47-4031 Fence Ferctors 27,795 36,300 39,899 No										$\sqcup \bot$			Yes
47-4021 Elevator and Escalator Installers and Repairers 45,684 79,223 96,461 Ves Yes Yes Pence Frectors 77-75 36,300 39,859 No No No No No No No No Modernal Evaluation of Pence Frectors 77-75 36,300 39,859 No No No No No No No No Modernal Evaluation of Pence Frectors 77-75 No				,	0.,_00					\vdash			
47-4031 Fence Erectors			-,,-	. ,	, .					++			Yes
47-4041 Hazardous Materials Removal Workers 28,558 37,828 43,333 No No No No High school diploma or equivalent Yes No No No A7-4051 Highway Maintenance Workers 25,693 34,532 37,060 No No No High school diploma or equivalent No No No No High school diploma or equivalent Yes Yes Yes No No No High school diploma or equivalent Yes Yes No No No High school diploma or equivalent Yes Yes No No No High school diploma or equivalent Yes Yes No No No No High school diploma or equivalent Yes Yes No No No No High school diploma or equivalent Yes Yes No										+			Yes
47-4051 Highway Maintenance Workers 25,693 34,532 37,060 No No No High school diploma or equivalent No	47-4041												No
47-4071 Septic Tank Servicers and Sewer Pipe Cleaners 29,898 44,176 46,199 No No No High school diploma or equivalent Yes Yes No No No High school diploma or equivalent Yes Yes No No No High school diploma or equivalent No		Highway Maintenance Workers	-,	34,532	37,060				High school diploma or equivalent				No
47-4090 Miscellaneous Construction and Related Workers 27,384 39,796 42,024 No No No High school diploma or equivalent No No No A7-5011 Derrick Operators, Oil and Gas 52,888 Yes No No No No No Formal educational credential Yes Yes Yes Yes 47-5013 Service Unit Operators, Oil and Gas 34,953 50,843 58,464 Yes No No No Yes No formal educational credential Yes Yes Yes Yes 47-5022 Excavating and Loading Machine and Dragline Operators, Surface Mining 35,484 43,982 47,398 Yes No No No High school diploma or equivalent Yes													Yes
47-5011 Derrick Operators, Oil and Gas 47-5012 Rotary Drill Operators, Oil and Gas 47-5013 Service Unit Operators, Oil and Gas 58,484 43,982 47,398 Yes 50,584 58,464 Yes 50,684 58,464 Yes 50,684 58,464 Yes 50,684 58,464 Yes 50,684 58,464 Yes 50,685 58,464 Yes 50,6										$\sqcup \bot$			No
47-5012 Rotary Drill Operators, Oil and Gas 38,333 50,552 52,828 Yes No No No formal educational credential Yes Yes <t< td=""><td></td><td></td><td>27,384</td><td>39,796</td><td>42,024</td><td>No</td><td>INO</td><td>NO</td><td>riigh school dipioma or equivalent</td><td>\vdash</td><td>INO</td><td>NO</td><td>NO</td></t<>			27,384	39,796	42,024	No	INO	NO	riigh school dipioma or equivalent	\vdash	INO	NO	NO
47-5013 Service Unit Operators, Oil and Gas 34,953 50,843 58,464 Yes No Yes No formal educational credential Yes Yes Yes 47-5022 Excavating and Loading Machine and Dragline Operators, Surface Mining 35,484 43,982 47,398 Yes No No High school diploma or equivalent Yes Yes No No High school diploma or equivalent Yes			38.333	50.552	52.828	Yes	No	No	No formal educational credential	\vdash	Yes	Yes	Yes
47-5022 Excavating and Loading Machine and Dragline Operators, Surface Mining 35,484 43,982 47,398 Yes No No High school diploma or equivalent Yes Yes No 47-5023 Earth Drillers, Except Oil and Gas 53,51 47,274 58,240 Yes No No High school diploma or equivalent Yes Yes Yes Yes Explosives Workers, Ordnance Handling Experts, and Blasters 49,775 66,358 76,479 Yes Yes Yes High school diploma or equivalent Yes Yes Yes Yes Yes High school diploma or equivalent Yes Yes Yes Yes Yes Yes Yes High school diploma or equivalent Yes													Yes
47-5032 Explosives Workers, Ordnance Handling Experts, and Blasters 49,775 66,358 76,479 Yes Yes High school diploma or equivalent Yes Yes Yes													No
													Yes
47-5041 Continuous Mining Machine Operators 25,712 37,687 41,695 No No No No No formal educational credential Yes Yes Yes													Yes
	47-5041	Continuous Mining Machine Operators	25,712	37,687	41,695	No	No	No	No formal educational credential		Yes	Yes	Yes

Wages - Workforce Re May 2022	· · ·	Annual W	Vages (\$) by Occupat	ion I	Wage Meet	s or Exceeds All O	ccupation Metric		Wage Meet	s or Exceeds Educa	tional Level Metric
,			Average Annual	High-Level Wage	Representative	Average Annua			Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
47-5043	Roof Bolters, Mining	22.557	20.000	42.444			.,				
47-5044	Loading and Moving Machine Operators, Underground Mining	33,567	38,006	42,144	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5049 47-5051	Underground Mining Machine Operators, All Other	34.551	62.678	83.605	Voc	Yes	Yes	No formal educational credential	Voc	Yes	Yes
47-5051	Rock Splitters, Quarry Roustabouts, Oil and Gas	32,032	46.320	57.247	Yes No	No No	No Tes	No formal educational credential	Yes Yes	Yes	Yes
47-5071	HelpersExtraction Workers	27,519	32,884	36,077	No	No	No	High school diploma or equivalent	No	No	No
47-5099	Extraction Workers, All Other	26.030	41.976	41.030	No	No	No	High school diploma or equivalent	No	No	No
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	33,924	59,006	70,007	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	26,043	36,257	42,033	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	44,011	60,999	70,565	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	26,972	50,692	66,394	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2091	Avionics Technicians	35,927	64,120	73,483	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	27,369	42,306	47,755	No	No	No	High school diploma or equivalent	No	Yes	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	37,528	52,678	59,569	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	38,815	58,500	64,782	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	37,397	71,582	92,631	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096 49-2097	Electronic Equipment Installers and Repairers, Motor Vehicles	31,096	41,536	45,487	No	No	No	Postsecondary nondegree award	Yes	Yes	No
49-2097	Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers	35,777 30,437	44,120 40,905	47,341 48,174	Yes No	No No	No No	Postsecondary nondegree award	Yes Yes	Yes	Yes Yes
49-3011	Aircraft Mechanics and Service Technicians	37,234	40,905 54.516	48,174 59.092	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	No.
49-3021	Automotive Body and Related Repairers	30,346	43,876	44,077	No	No	No	Associate's degree Postsecondary nondegree award	Yes	Yes	No
49-3022	Automotive Body and Related Repairers Automotive Glass Installers and Repairers	31,395	43,324	51.320	No.	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3023	Automotive Glass installers and Repairers Automotive Service Technicians and Mechanics	26,416	41,318	49,915	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	32,908	50.401	60.416	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	28,961	44,579	46.367	No	No	No	High school diploma or equivalent	Yes	Yes	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	34,327	55,315	61,727	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	35,066	50,346	55,983	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	30,829	45,543	46,924	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	23,336	37,193	44,933	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	28,057	38,245	43,947	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	21,966	34,242	40,899	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	27,503	42,425	42,101	No	No	No	High school diploma or equivalent	No	Yes	No
49-3093	Tire Repairers and Changers	26,016	31,072	33,513	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	29,852	39,125	39,512	No	No	No	High school diploma or equivalent	Yes	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	34,979	52,695	54,827	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	30,576	44,562	50,797	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	23,784	39,918	45,792	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	34,973	54,365	62,964	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	29,061	45,806	57,036	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9044	Millwrights	38,230	52,388	61,845	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045 49-9051	Refractory Materials Repairers, Except Brickmasons							l			
49-9051	Electrical Power-Line Installers and Repairers Telecommunications Line Installers and Repairers	36,165	70,548	84,450	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Camera and Photographic Equipment Repairers	31,110 37,687	43,050 50,084	51,114 55,871	No	No	No No	Postsecondary nondegree award	Yes	Yes	Yes
49-9062	Medical Equipment Repairers	27,137	52,963	66,855	Yes No	No Yes	Yes	Associate's degree Associate's degree	Yes No	No Yes	No Yes
49-9063	Musical Instrument Repairers and Tuners	26,713	39,326	48,249	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	23,193	27,594	26,919	No	No	No	High school diploma or equivalent	No	No	No
49-9069	Precision Instrument and Equipment Repairers, All Other	37.987	54,036	61,835	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	27,174	38,077	44,726	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	=-,=-:	,	,. ==					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	26.074	33.310	38.033	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	37,032	49,878	53,427	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	28,308	41,351	52,155	No	No	No	High school diploma or equivalent	No	No	Yes
49-9095	Manufactured Building and Mobile Home Installers	20,468	28,942	36,620	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	31,170	48,455	56,264	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	44,260	59,307	66,966	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	HelpersInstallation, Maintenance, and Repair Workers	20,800	30,926	34,550	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	27,498	37,207	42,451	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	35,324	59,415	71,601	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	30,964	44,073	52,294	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	31,124	42,622	45,412	No	No	No	High school diploma or equivalent	Yes	Yes	No
	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders,										
51-2028	Tapers, and Finishers	23,814	35,262	40,419	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	31,526	40,702	45,187	No	No	No	High school diploma or equivalent	Yes	No	No
51-2041	Structural Metal Fabricators and Fitters	33,074	40,765	48,880	Yes	No	No	High school diploma or equivalent	Yes	No	Yes
51-2051	Fiberglass Laminators and Fabricators	27,650	35,412	37,968	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters				1				1		
51-2090	Miscellaneous Assemblers and Fabricators	22,561	31,680	35,333	No No	No	No No	High school diploma or equivalent	No No	No	No
51-3011 51-3021	Bakers Butchers and Most Cuttors	24,328	29,732	33,920	No No	No	No No	High school diploma or equivalent	No	No V	No
51-3021 51-3022	Butchers and Meat Cutters	26,155	37,069	42,401	No	No	No	No formal educational credential	Yes	Yes	Yes
	Meat, Poultry, and Fish Cutters and Trimmers	24,996	26,266	24,996	No	No	No	No formal educational credential	Yes	No	No
51-3023 51-3091	Slaughterers and Meat Packers	24,925	26,208 34,691	27,200 34.064	No No	No	No No	No formal educational credential	Yes	No	No
	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders Food Batchmakers	23,305	,	,		No		No formal educational credential	Yes	Yes	Yes
	rood pateninakers	26,709	27,632	26,714	No	No	No	High school diploma or equivalent	No	No No	No No
51-3092	Food Cooking Machine Operators and Tondors	22 544									
51-3093	Food Cooking Machine Operators and Tenders Food Processing Workers All Other	23,511	29,981	33,202	No No	No No	No No	High school diploma or equivalent	No Vec	No Vec	
	Food Cooking Machine Operators and Tenders Food Processing Workers, All Other Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and	23,511 22,500	29,981 29,813	33,202 33,390	No No	No No	No No	No formal educational credential	Yes	Yes	Yes

Wages - Workforce Ro May 2022	tegion 5	Annual W	ages (\$) by Occupat	ion	Wage Meet	e or Evenade All C	Occupation Metric		Wage Mee	e or Evenade Educ	ational Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu			Representative	Average Annu	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
						-		·			-
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	28,418	37,537	42,875	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	28,727	39,260	42,406	No	No	No	High school diploma or equivalent	Yes	No	No
	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and										
51-4031	Plastic	31,039	36,980	39,962	No	No	No	High school diploma or equivalent	Yes	No	No
F4 4000	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and								1 1		
51-4032	Plastic	28,240	52,697	78,287	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	24.226	24.040	24.026	No	No	No	High sales of dialogue as a subsequent	N-	N-	N-
31*4033	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and	24,326	31,948	34,036	NO	NO	NO	High school diploma or equivalent	No	No	No
51-4034	Plastic	26,161	36.461	44.794	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	29,532	39,485	43,240	No	No	No	Postsecondary nondegree award	Yes	No	No
51-4041	Machinists	29,617	46,006	48,631	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	36,667	46,751	47,622	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-4052	Pourers and Casters, Metal							, ,			
51-4061	Model Makers, Metal and Plastic	30,955	48,755	56,742	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic										
51-4071	Foundry Mold and Coremakers	21,798	37,650	51,479	No	No	No	High school diploma or equivalent	No	No	Yes
	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders,										
51-4072	Metal and Plastic	25,768	34,635	37,238	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	29,213	35,646	36,058	No	No	No	High school diploma or equivalent	Yes	No	No
51-4111	Tool and Die Makers	36,648	54,579	61,582	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	28,809	40,485	45,276	No	No	No	Postsecondary nondegree award	Yes	No	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	27,856	35,290	38,380	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	23,371	38,184	44,382	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic										
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	28,174	37,697	42,013	No	No	No	High school diploma or equivalent	No	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	25,787	34,504	36,423	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	27,406	36,582	42,912	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	28,495	34,505	38,599	No	No	No	Postsecondary nondegree award	Yes	No	No
51-5112	Printing Press Operators	23,304	32,632	36,144	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	29,566	36,251	36,660	No	No	No	High school diploma or equivalent	Yes	No	No
51-6011	Laundry and Dry-Cleaning Workers	20,800	24,258	26,553	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	22,322	26,816	27,622	No	No	No	No formal educational credential	Yes	No	No
51-6031	Sewing Machine Operators	19,476	28,184	32,603	No	No	No	No formal educational credential	No	No	Yes
51-6041	Shoe and Leather Workers and Repairers	22,060	30,880	34,860	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders										
51-6051	Sewers, Hand	20,646	27,903	28,446	No	No	No	No formal educational credential	No	No	No
51-6052	Tailors, Dressmakers, and Custom Sewers	28,500	29,954	29,264	No	No	No	No formal educational credential	Yes	Yes	No
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	21,610	25,880	26,451	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	25,983	31,067	34,092	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	25,843	29,719	32,360	No	No	No	High school diploma or equivalent	No	No	No
	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and										
51-6064	Tenders	21,788	31,451	35,749	No	No	No	High school diploma or equivalent	No	No	No
	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and										
51-6091	Glass Fibers	31,639	55,122	78,399	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	25,290	47,313	73,109	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6093	Upholsterers	26,273	35,599	40,159	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	25,618	31,994	35,684	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	29,643	37,674	41,600	No	No	No	High school diploma or equivalent	Yes	No	No
51-7021	Furniture Finishers	28,802	42,856	50,375	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	24,494	32,463	35,693	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	24,410	32,238	36,086	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	25,787	30,534	30,861	No	No	No	High school diploma or equivalent	No	No	No
51-8011	Nuclear Power Reactor Operators	45,459	71,723	90,805	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	50,253	83,109	97,116	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	53,198	77,588	87,587	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	45,169	58,989	63,783	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	31,247	49,678	58,504	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	39,176	58,034	62,828	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-8092	Gas Plant Operators	32,369	48,802	59,008	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	45,393	58,914	74,232	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	37,772	54,223	60,787	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	41,023	53,431	65,323	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,								1 1		
	Operators, and Tenders	26,498	40,037	46,489	No	No	No	High school diploma or equivalent	No	No	No
51-9012		26,395	38,876	44,017	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders		33,305	36,217	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9021 51-9022	Grinding and Polishing Workers, Hand	26,667		43,594	No	No	No	High school diploma or equivalent	No	No	No
51-9021 51-9022 51-9023	Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders	26,590	37,078					The second second second			
51-9021 51-9022 51-9023 51-9031	Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand	26,590 20,552	33,390	37,509	No	No	No	No formal educational credential	No	Yes	Yes
51-9021 51-9022 51-9023 51-9031	Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Slicing Machine Setters, Operators, and Tenders	26,590			No No	No No	No No	No formal educational credential High school diploma or equivalent	No No	Yes No	Yes No
51-9021 51-9022 51-9023 51-9031 51-9032	Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and	26,590 20,552 26,807	33,390 36,330	37,509 41,592	No	No	No	High school diploma or equivalent	No	No	No
51-9021 51-9022 51-9023 51-9031 51-9032 51-9041	Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Silicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	26,590 20,552 26,807 25,955	33,390 36,330 35,787	37,509 41,592 42,303	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No No	No No	No No
51-9021 51-9022 51-9023 51-9031 51-9032 51-9041 51-9051	Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	26,590 20,552 26,807 25,955 28,717	33,390 36,330 35,787 36,779	37,509 41,592 42,303 41,283	No No No	No No No	No No	High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent	No No Yes	No No No	No No No
51-9021 51-9022 51-9023 51-9031 51-9032 51-9041 51-9051 51-9061	Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Silicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders Inspectors, Testers, Sorters, Samplers, and Weighers	26,590 20,552 26,807 25,955 28,717 24,201	33,390 36,330 35,787 36,779 40,263	37,509 41,592 42,303 41,283 48,695	No No No	No No No	No No No	High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent Postsecondary nondegree award	No No Yes No	No No No	No No No Yes
51-9021 51-9022 51-9023 51-9031	Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	26,590 20,552 26,807 25,955 28,717	33,390 36,330 35,787 36,779	37,509 41,592 42,303 41,283	No No No	No No No	No No	High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent	No No Yes	No No No	No No No

Wages - Workforce Region 5

	Nages - Workforce Re Nay 2022	gion 5	Annual	Wages (\$) by Occupa	tion	Wage Mee	ts or Exceeds All Or	cupation Matric	T	Wage Meets	or Exceeds Education	aal Level Metric
Company No.	viay 2022											High-Level Wage
1920	Occupational Code	Occupational Title				Starting Wage			Educational Requirement			Threshold
1920												
19.11 Principal part large plant for planters and Proteins 19.00 10 10 10 10 10 10 10						No			,			
19-25 19-2									0			
1922 1922												
1995 SeriorOccer Processor Processor 1,000 1,0												
Septiment Sept			-,	,								
1995 1995			,	,								
Section Computer Market			,									
1979 Advisor floring floring out in real relations 7,708 11,93 1,93												
\$2.00 Clausing, Washing, and Polater Kingling Equipment of Professor \$7.00 \$7.												
14-90 States and Express of Security Process of Security Proce					,							
1945 Moder, Departs, and Courter, Energy Moderal and Princise 172.23 30.09 10.00 1			-,	,	-,							
1949 Price from Machine Septems, openers, and Federal 173,222 4,144 40,004 100			,		,.							
19-257 The Burders				,	.,							
19-99			,-									
19-19-19 Production Worker, All Doors 19-19-19 Production Worker												
Section Provided Compressions of Manufal Model Works, Energy March Golge Compression of Compression of Manufal Model Works, Energy March Golge Compression of Compr												
First Live Seprenters of Transportation and Marinet Money Workers, Energy 1 1,1297 1,12												
3-2017 Arrord Corps Indusing Sperituring Sperituri	33 1011		33,443	33,433	30,313	163	163	140	riigii scriooi dipiorila oi equivalent	163	163	163
5.2011 Artine Profits, Capitals, self-light Registers 191,944 251,485 1 1 1 1 1 1 1 1 1	53-1047		34 569	52 530	62 244	Vec	Ves	Ves	Some college, no degree	Ves	Ves	Ves
Section			. ,		*							
5-2012			. ,		104.022							
5-2022 A refed Operations Specialishs 7-2,880 14,315 14,735 14,			,									
5.2013 Right Attendants 2.2.68					/====							
5-3011 Ambeliance (here and Attendant, Except Emergency Medical Technicas) 24,100 32,707 71,755 100		·			,							
5-35032 Tomer-Paller Nuchers 20,000 32,097 37,655 No		Ambulance Drivers and Attendants, Except Emergency Medical Technicians										
1-3-1032 New year Tracker Track Prokers 19,0520 42,882 47,033 No	53-3031		20,800	32,097	37,652	No	No	No		No	No	No
\$3.95.51 Bis Drivers, Transford \$29,124 \$35,326 \$39,800 No No No High school depines or equivalent No No No No No No High school depines or equivalent No No No No No No High school depines or equivalent No No No No No High school depines or equivalent No No No No No High school depines or equivalent No	53-3032	Heavy and Tractor-Trailer Truck Drivers	30,502	42,882	47,013	No	No	No		Yes	Yes	Yes
\$3.9522 Bus Drivers, Transit and Intercity	53-3033		23,239	39,628	44,455	No	No	No		No	No	No
53-3053 Shuttle Divers and Chauffeurs 12,318 30,742 30,028 No	53-3051	Bus Drivers, School				No		No	High school diploma or equivalent	Yes	No	No
13-3954 Tax Drivers 12-541 29-672 29-506 No No No No No No Formal educational credential No No No No Shadow Precise Operators, All Other 20-800 A6-672 27-671 No	53-3052	Bus Drivers, Transit and Intercity	25,043	35,050	42,627	No	No	No	High school diploma or equivalent	No	No	No
53-3099 Motor Vehicle Operators, All Other 20,000 25,672 27,621 No No No No High-school deforms or equivalent Ves Ves Ves S-4011 Concombite Engineers 51,683 64,583 64,583 65,322 Ves Ves Ves Ves High-school deforms are requivalent Ves Ves Ves Ves S-40022 Rail Your Engineers, Dinkey Operators, and Hosters 30,150 50,543 48,689 No No No No High-school deforms are requivalent Ves	53-3053	Shuttle Drivers and Chauffeurs	22,318	30,742	30,218	No	No	No	High school diploma or equivalent	No	No	No
13-4011 Locomobre Engineers 53,087 64,363 69,322 Ves Ves 148 shooth diploma or equivalent Ves Ves Ves S3-4013	53-3054	Taxi Drivers	19,541	29,672	29,906	No	No	No	No formal educational credential	No	Yes	No
Sail Trail Engineers, Dinkey Operators, and Hoststers 30,554 48,889 No	53-3099	Motor Vehicle Operators, All Other	20,800	26,672	27,621	No	No	No	High school diploma or equivalent	No	No	No
53-4022 Railroad Brake, Signal, and Switch Operators and Locomotive Firers 56,639 55,403 57,949 Ves	53-4011	Locomotive Engineers	52,987	64,363	69,532	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031 Ralinacd Conductors and Variamenters 59.335 66,576 69,579 Ves Ves Ves Ves High-school digloman or equivalent Ves Ves Ves S3-4099 Rali Transportation Workers, All Other 38,633 39,279 38,642 Ves No No High-school digloman or equivalent No No No No No No No N		Rail Yard Engineers, Dinkey Operators, and Hostlers	30,150	50,543	48,689	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-4091 Sulway and Streetar Operators 27,360 39,101 49,111 No No No No High school diploma or equivalent No No No 53-5019 Salloran of Markine Ollers 27,266 42,540 47,041 No No No High school diploma or equivalent Yes No No No 53-5011 Salloran di Marine Ollers 27,266 42,540 47,041 No No No No High school diploma or equivalent No Yes No No No No High school diploma or equivalent No Yes No No No High school diploma or equivalent No Yes No No No No No No High school diploma or equivalent No Yes No No No No No No No High school diploma or equivalent No						Yes	Yes	No		Yes		
S3-4099 Rail Transportation Workers, All Other S8,633 39,279 38,642 Yes No No High school diploma or equivalent Yes No No S3-5011 Sallors and Marine Oilers 22,266 42,640 47,041 No No No No No High school diploma or equivalent Yes No No Yes No 3-5021 Captain, Mates, and Pilots of Water Vessels 35,009 80,749 118,521 Yes Yes Yes Fostsecondary nondegree award Yes Yes Yes S3-5031 Ship Engineers S												
53-5011 Saliors and Marine Olier 27,266 42,640 47,041 No No No High school diploma or equivalent No Yes No S3-5022 Saliors and Marine Olier Saliors and Marine Olier Saliors and Marine Olier Saliors and Marine Olier Saliors and Sal										No		
\$3,9021 Captains, Mates, and Pillst of Water Vessels \$3,000 \$80,749 \$118,521 Yes Yes Yes Yes Yes \$3,9032 \$3,9022 \$10,24,25 Yes Yes Yes Yes Yes Yes \$1,900 \$1,90						Yes	No	No	High school diploma or equivalent	Yes	No	No
\$3.9022 Motorboat Operators 2,6,776 42,537 49,850 No							No	No	High school diploma or equivalent	No	Yes	
53-6011 Ship Engineers 67.949 92.032 102.425 Yes Yes Yes Postsecondar diploma or equivalent No									Postsecondary nondegree award			
1.53 dol1												
S3-6021 Parking Attendants 19,916 25,496 27,069 No									,			
33-6031 Automative and Watercraft Service Attendants 23,411 28,579 29,823 No												
S3-6032 Aircraft Service Attendants 27,903 34,616 34,981 No												
1.53-6041 Traffic Technicians 30,263 52,294 64,918 No Yes Yes Associate's degree No Yes Yes Yes Yes Yes Yes Yes Associate's degree No Yes				-,								
S3-6051 Transportation Inspectors 37,640 80,066 101,011 Yes												
Sa-6061 Passenger Attendants 19,925 30,515 35,665 No No No No High school diploma or equivalent No No No No No No No N												
S3-009									0			
S3-7011 Conveyor Operators and Tenders 27,659 32,425 33,530 No No No No No No No No Formal educational credential Yes Yes Yes Yes S3-7021 Crane and Tower Operators 24,051 47,318 52,446 No No No No No High school diplom or equivalent Yes Yes No No No No High school diplom or equivalent Yes Yes No No No No High school diplom or equivalent Yes Yes No No No No High school diplom or equivalent Yes Yes No No No No No No No High school diplom or equivalent Yes Yes No												
S3-7021 Crane and Tower Operators 24,051 47,318 52,446 No No No No High school diploma or equivalent No Yes												
S3-7031 Dredge Operators S3,436 44,316 46,152 Yes No No High school diploma or equivalent Yes Yes No No No No No High school diploma or equivalent Yes			,	,								
S3-7041 Hoist and Winch Operators 30,206 47,331 48,502 No No No No No No No N			,	,								
S3-7051 Industrial Truck and Tractor Operators 28,590 36,081 39,270 No No No No No No No N												
S3-7061 Cleaners of Vehicles and Equipment 21,394 27,665 29,112 No No No No No No formal educational credential No												
53-7062 Laborers and Freight, Stock, and Material Movers, Hand 24,194 30,492 32,784 No No No No formal educational credential Yes Y												
53-7063 Machine Feeders and Offbearers 27,191 35,187 38,024 No No <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>												
S3-7064 Packers and Packagers, Hand 20,800 24,663 25,413 No No No No No formal educational credential No												
53-7065 Stockers and Order Fillers 23,916 30,723 32,901 No No No No High school diploma or equivalent No No No No S3-7071 Gas Compressor and Gas Pumping Station Operators 28,745 34,288 31,854 No No No No High school diploma or equivalent Yes No No No No No High school diploma or equivalent Yes Yes Yes No				,								
53-7071 Gas Compressor and Gas Pumping Station Operators 28,745 34,288 31,854 No No No No High school diploma or equivalent Yes No No No School Schoo			,	,								
53-7072 Pump Operators, Except Wellhead Pumpers 30,730 43,221 48,521 No No No High school diploma or equivalent Yes Yes Yes 53-7073 Wellhead Pumpers 53-7081 Refuse and Recyclable Material Collectors 30,081 38,915 41,260 No No No No Moformal educational credential Yes Yes Yes 53-7121 Tank Car, Truck, and Ship Loaders 40,599 55,582 57,453 Yes Yes No No formal educational credential Yes Yes Yes Yes			-,									
53-7073 Wellhead Pumpers Sefuse and Recyclable Material Collectors 30,081 38,915 41,260 No No No No formal educational credential Yes Y			-, -									
53-7081 Refuse and Recyclable Material Collectors 30,081 38,915 41,260 No No No No No formal educational credential Yes			30,730	43,221	40,321	140	.40	.40		163	. 03	
53-7121 Tank Car, Truck, and Ship Loaders 40,599 56,582 57,453 Yes Yes No No formal educational credential Yes Yes Yes			30.081	38 915	41 260	No	No	No	No formal educational credential	Ves	Vec	Ves
				,								
1 25-7199 E MALEUMOVIDE WORKERS AU UTDEC E 26 9DK 33-844 34 036 E NO NO E E Notormal educational cradantial E E Vac Vac	53-7121	Material Moving Workers, All Other	26.908	33.844	34,036	No.	No.	No.	No formal educational credential	Yes	Yes	Yes

^{*} indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

Summary - Workforce Region 5

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
-	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	32,643	51,661	58,320	817
No formal educational credential	22,140	28,611	31,343	82
High school diploma or equivalent	28,421	42,080	48,351	230
Some college, no degree	26,941	40,563	45,648	49
Postsecondary nondegree award	28,422	40,557	46,011	89
Associate's degree	34,775	51,658	59,855	67
Bachelor's degree	41,320	71,624	81,874	184
Master's degree	46,357	68,909	75,916	43
Doctoral or professional degree	56,060	113,597	118,448	73

	Representative	Starting Wage	Average Ar	nual Wage	High-Level Wa	age Threshold
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric
All Occupations	442	375	436	381	442	375
No formal educational credential	35.37%	64.63%	30.49%	69.51%	32.93%	67.07%
High school diploma or equivalent	66.52%	33.48%	73.04%	26.96%	76.52%	23.48%
Some college, no degree	36.73%	63.27%	28.57%	71.43%	30.61%	69.39%
Postsecondary nondegree award	29.21%	70.79%	29.21%	70.79%	30.34%	69.66%
Associate's degree	52.24%	47.76%	37.31%	62.69%	37.31%	62.69%
Bachelor's degree	56.52%	43.48%	61.41%	38.59%	60.33%	39.67%
Master's degree	67.44%	32.56%	48.84%	51.16%	46.51%	53.49%
Doctoral or professional degree	65.75%	34.25%	60.27%	39.73%	56.16%	43.84%

May 2022	egion 6	Annual V	Vages (\$) by Occupat	tion	Wage Me	ets or Exceeds All C	Occupation Metric			Wage Meet	or Exceeds Education	onal Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annual	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
11-1011	Chief Executives	32,693	142,203	168,391	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-1021	General and Operations Managers	34,192	91,758	118,593	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-1031	Legislators	29,002	82,677	119,762	No	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-2011	Advertising and Promotions Managers	48,806	105,348	127,170	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2021 11-2022	Marketing Managers Sales Managers	60,785 50,430	117,678 118,359	159,994 137,704	Yes	Yes Yes	Yes Yes	Bachelor's degree Bachelor's degree		Yes Yes	Yes Yes	Yes Yes
11-2022	Public Relations Managers	55,320	104.834	137,704	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2032	Fundraising Managers	59,822	113,645	138,370	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3012	Administrative Services Managers	48,316	78,435	101.005	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3013	Facilities Managers	43,233	88,673	109,954	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	50.950	127,713	162,364	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3031	Financial Managers	54,326	108,832	133,963	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3051	Industrial Production Managers	62,155	124,492	170,048	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3061	Purchasing Managers	69,020	123,724	150,204	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	46,867	83,187	117,478	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	67,182	112,001	140,272	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3121	Human Resources Managers	70,588	113,606	135,353	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3131	Training and Development Managers	57,360	105,909	125,920	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	22,207	81,607	114,013	No	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-9021	Construction Managers	41,995	94,884	120,928	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9031 11-9032	Education and Childcare Administrators, Preschool and Daycare	28,170 60,762	47,161 85.175	50,451 100,995	No Yes	Yes	No Yes	Bachelor's degree	-	No Yes	No Yes	No Yes
11-9032	Education Administrators, Kindergarten through Secondary Education Administrators, Postsecondary	60,762 55.862	85,175 93.138	100,995 95.692	Yes	Yes	Yes Yes	Master's degree Master's degree	-	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary Education Administrators, All Other	32,534	93,138	95,692 86.780								
11-9039	Architectural and Engineering Managers	102,985	142,464	86,780 155,501	Yes Yes	Yes	Yes Yes	Master's degree Bachelor's degree	-	No Yes	No Yes	Yes Yes
11-9051	Food Service Managers	30.147	47,460	47.581	No	Yes	No	Some college, no degree		Yes	Yes	Yes
11-9071	Gambling Managers	30,147	47,400	47,301	NO .	163	140	Some conege, no degree		163	163	163
11-9072	Entertainment and Recreation Managers, Except Gambling	36.917	76,223	90.446	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-9081	Lodging Managers	30,367	65,689	90.756	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
11-9111	Medical and Health Services Managers	47,756	86,633	101,243	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9121	Natural Sciences Managers	46,096	97,934	119,535	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	75,254	81,333	92,071	Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	34,635	59,000	61,606	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9151	Social and Community Service Managers	36,838	64,811	78,361	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9161	Emergency Management Directors	46,031	82,682	98,816	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9171	Funeral Home Managers	43,018	74,339	75,322	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
11-9179	Personal Service Managers, All Other	44,056	72,006	86,679	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9199	Managers, All Other	47,017	87,793	92,700	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes											
13-1020	Buyers and Purchasing Agents	28,737	58,640	74,739	No	Yes	Yes	Bachelor's degree		No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	36,641	62,726	73,990	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
13-1032 13-1041	Insurance Appraisers, Auto Damage Compliance Officers	20.540	49,782	50.405			v			l		
13-1041	Cost Estimators	30,618	49,782 63.150	60,195	Yes	Yes	Yes	Bachelor's degree	-	No	No	No
13-1031	Human Resources Specialists	31,200 34,665	57,051	75,023 65,630	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		No No	No No	No No
13-1074	Farm Labor Contractors	22.207	81,607	114,013	No	Yes	Yes	No formal educational credential		No	Yes	Yes
13-1074	Labor Relations Specialists	37,661	71,675	91,750	Yes	Yes	Yes	Bachelor's degree	-	No	Yes	Yes
13-1075	Logisticians	30,160	49,973	62,127	No	Yes	Yes	Bachelor's degree		No	No	No
13-1082	Project Management Specialists	30,728	83,898	97.510	Yes	Yes	Yes	Bachelor's degree		No.	Yes	Yes
13-1111	Management Analysts	36,982	73,556	97,006	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	29,429	50.837	61.164	No	Yes	Yes	Bachelor's degree		No	No	No
13-1131	Fundraisers	30,467	55,550	70.692	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	36,549	64,462	73,907	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1151	Training and Development Specialists	26,174	47,427	49,962	No	Yes	No	Bachelor's degree		No	No	No
13-1161	Market Research Analysts and Marketing Specialists	31,240	61,327	69,992	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1199	Business Operations Specialists, All Other	32,960	62,517	72,925	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2011	Accountants and Auditors	38,418	71,110	79,868	Yes	Yes	Yes	Bachelor's degree		No	Yes	No
13-2020	Property Appraisers and Assessors	37,805	62,528	68,639	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2031	Budget Analysts	43,211	72,309	87,487	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-2041	Credit Analysts	46,132	78,318	92,439	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-2051	Financial and Investment Analysts	47,593	83,803	93,340	Yes	Yes	Yes	Bachelor's degree	_	Yes	Yes	Yes
13-2052	Personal Financial Advisors	34,179	110,953	130,606	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-2053 13-2054	Insurance Underwriters	42,935	66,658	78,501	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
	Financial Risk Specialists Financial Examiners	49,982	101,039	117,476	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-2061 13-2071	Credit Counselors	41,042 31,331	72,153 45,168	88,452 45,462	Yes Yes	Yes No	Yes No	Bachelor's degree Bachelor's degree	-	Yes No	Yes No	Yes No
13-2071	Loan Officers	35,888	61,882	45,462 82,181	Yes	Yes	Yes	Bachelor's degree	-	No	No No	No No
13-2072	Tax Examiners and Collectors, and Revenue Agents	27,325	47,207	59,170	No No	Yes	Yes	Bachelor's degree	-	No	No	No
13-2082	Tax Preparers	23,731	46,981	61.834	No	Yes	Yes	Postsecondary nondegree award		No	Yes	Yes
13-2099	Financial Specialists, All Other	33,416	59,776	73,439	Yes	Yes	Yes	Bachelor's degree		No	No	No
15-1211	Computer Systems Analysts	39,187	63.551	79,824	Yes	Yes	Yes	Bachelor's degree		No	No	No
15-1212	Information Security Analysts	58,536	102,785	123,164	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	72,750	121,207	162,984	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
15-1231	Computer Network Support Specialists	43,805	72,431	81,057	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1232	Computer User Support Specialists	30,890	62,553	64,908	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
15-1241	Computer Network Architects	59,437	106,129	127,326	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1242	Database Administrators	46,408	92,118	117,908	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-12-42												

Wages - Workforce Re Way 2022	egion 6	Annual M	/ages (\$) by Occupat	ion	Wage Meet	ts or Evenode All (Occupation Metric	1		Wage Moets	or Exceeds Education	anal Lovel Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu			-	Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
15-1244	Network and Computer Systems Administrators	53,706	78,863	93,919	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1251 15-1252	Computer Programmers	44,644 50.528	85,741 113,187	99,689 130,553	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1252 15-1253	Software Developers Software Quality Assurance Analysts and Testers	50,528 44.139	113,187 82.443	99.018	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		Yes Yes	Yes	Yes
15-1254	Web Developers	43,900	74.532	87,689	Yes	Yes	Yes	Associate's degree	+ +	Yes	Yes	Yes
15-1255	Web and Digital Interface Designers	40,271	78,410	89,279	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1299	Computer Occupations, All Other	35,640	62,290	67,307	Yes	Yes	Yes	Bachelor's degree		No	No	No
15-2011	Actuaries	65,225	115,161	124,138	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2021	Mathematicians								1 1			
15-2031	Operations Research Analysts	36,012	44,816	42,775	Yes	No	No	Bachelor's degree		No	No	No
15-2041	Statisticians	37,413	77,013	93,285	Yes	Yes	Yes	Master's degree		No	Yes	Yes
15-2051	Data Scientists	48,604	92,596	117,431	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2099	Mathematical Science Occupations, All Other								1 1			
17-1011	Architects, Except Landscape and Naval	35,355	82,645	95,159	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
17-1012	Landscape Architects	35,135	61,522	70,655	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1021 17-1022	Cartographers and Photogrammetrists Surveyors	40,656 28.028	63,240 51,088	74,376 61.446	Yes No	Yes	Yes	Bachelor's degree		Yes	No	No
17-2011	Aerospace Engineers	71,059	106,451	123,890	Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		No Yes	No Yes	No Yes
17-2011	Agricultural Engineers	71,059	100,451	123,890	res	res	res	Bacrieior's degree	+	res	res	res
17-2031	Bioengineers and Biomedical Engineers	54,640	90,776	113,709	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
17-2041	Chemical Engineers	61.908	100,268	123.338	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2051	Civil Engineers	47,382	92,706	113,737	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2061	Computer Hardware Engineers	61,476	109,942	127,813	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2071	Electrical Engineers	56,827	92,476	117,504	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	71,013	97,723	113,498	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2081	Environmental Engineers	52,595	89,543	99,074	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	46,004	78,327	95,968	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2112	Industrial Engineers	62,755	97,116	130,090	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	47,345	71,675	84,290	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2131	Materials Engineers	52,224	85,346	104,558	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2141 17-2151	Mechanical Engineers	37,963	79,142	98,236	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers Nuclear Engineers											
17-2101	Petroleum Engineers											
17-2171	Engineers, All Other	45.122	90.473	113.728	Yes	Yes	Yes	Bachelor's degree	+ +	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	35,373	53,896	61.173	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters	42,503	53,832	63,286	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3013	Mechanical Drafters	32,488	52,536	63,736	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3019	Drafters, All Other	33,591	50,956	57,939	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians								T i			
17-3022	Civil Engineering Technologists and Technicians	33,490	51,507	60,227	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	31,387	53,882	67,133	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	42,237	65,399	73,871	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	28,841	42,457	47,988	No	No	No	Associate's degree		No	No	No
17-3026	Industrial Engineering Technologists and Technicians	39,164	44,345	45,607	Yes	No	No	Associate's degree		Yes	No	No
17-3027 17-3028	Mechanical Engineering Technologists and Technicians Calibration Technologists and Technicians	36,026 35,925	54,980 58,352	61,394 74,073	Yes	Yes Yes	Yes	Associate's degree		Yes	Yes Yes	Yes Yes
17-3028	Engineering Technologists and Technicians, Except Drafters, All Other	32,856	62,910	79,080	Yes Yes	Yes	Yes Yes	Associate's degree Associate's degree		Yes Yes	Yes	Yes
17-3025	Surveying and Mapping Technicians	30,513	45,937	55,270	Yes	Yes	Yes	Associate's degree		No	No	Yes
19-1011	Animal Scientists	30,313	43,537	33,270	162	res	res	Associate's degree	1 1	NU	NO	162
19-1012	Food Scientists and Technologists	36.458	72,391	99,725	Yes	Yes	Yes	Bachelor's degree	1 1	No	Yes	Yes
19-1013	Soil and Plant Scientists	36.614	76,306	95,168	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
19-1021	Biochemists and Biophysicists	36,843	80,688	101,692	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-1022	Microbiologists	33,453	55,017	67,393	Yes	Yes	Yes	Master's degree		No	No	No
19-1023	Zoologists and Wildlife Biologists	31,037	49,275	53,143	Yes	Yes	Yes	Master's degree		No	No	No
19-1029	Biological Scientists, All Other	38,222	57,213	66,906	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1031	Conservation Scientists	30,992	55,310	74,964	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1032	Foresters	41,122	62,057	81,353	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19-1041	Epidemiologists	53,180	80,036	94,185	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-1042	Medical Scientists, Except Epidemiologists	50,680	91,098	114,307	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-1099	Life Scientists, All Other											
19-2011 19-2012	Astronomers Physicists								1 -			
19-2012 19-2021	Physicists Atmospheric and Space Scientists	57,516	77,132	83,095	Voc	Yes	Yes	Pacholor's dograp	1	Yes	Yes	No
19-2021	Chemists Chemists	57,516 36.485	77,132 68.257	83,095 82,719	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		Yes No	Yes No	No No
19-2032	Materials Scientists	63,277	106,717	124,845	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	36,462	55,552	59,758	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	44,322	84.703	102,050	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-2043	Hydrologists	39,820	62,671	74,744	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19-2099	Physical Scientists, All Other	41,584	99,229	122,943	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-3011	Economists	55,660	88,397	107,765	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
19-3022	Survey Researchers	48,604	92,596	117,431	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
19-3032	Industrial-Organizational Psychologists	68,386	117,688	142,412	Yes	Yes	Yes	Doctoral or professional degree		Yes	Yes	Yes
19-3033	Clinical and Counseling Psychologists	34,335	86,587	113,912	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3034	School Psychologists	41,980	68,257	75,120	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3039	Psychologists, All Other	45,250	92,403	110,843	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3041	Sociologists	26,966	53,933	46,720	No	Yes	No	Master's degree		No	No	No
19-3051	Urban and Regional Planners	36,878	54,807	64,241	Yes	Yes	Yes	Master's degree		No	No	No

Wages - Workforce Re May 2022	nagron o	Annual W	Vages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All O	ccupation Metric	1	Wage Mee	s or Exceeds Educa	tional Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annua			Representative	Average Annu	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
19-3091	Anthropologists and Archeologists	36,807	57,948	68,551	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	22.075	55.070	00.004		.,			—		
19-3093 19-3094	Historians Political Scientists	33,076	66,070	89,931	Yes	Yes	Yes	Master's degree	No	No	Yes
19-3094	Social Scientists and Related Workers, All Other	51.939	79,016	94,360	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4012	Agricultural Technicians	27,610	36,724	42,632	No	No	No	Associate's degree	No	No	No
19-4013	Food Science Technicians	29,934	48,494	66,805	No	Yes	Yes	Associate's degree	No	Yes	Yes
19-4021	Biological Technicians	27,123	39,811	46,050	No	No	No	Bachelor's degree	No	No	No
19-4031	Chemical Technicians	29,466	47,161	57,121	No	Yes	Yes	Associate's degree	No	No	Yes
19-4042 19-4043	Environmental Science and Protection Technicians, Including Health	25,910	38,608	44,681	No	No	No	Associate's degree	No	No	No No
19-4044	Geological Technicians, Except Hydrologic Technicians Hydrologic Technicians	29,089 33,178	37,404 51,857	40,868 62,018	No Yes	No Yes	No Yes	Associate's degree Associate's degree	No Yes	No Yes	No Yes
19-4051	Nuclear Technicians	33,176	31,037	02,010	163	163	163	Associate 3 degree	ies	163	163
19-4061	Social Science Research Assistants	28,271	45,315	52,040	No	No	No	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	31,257	43,349	51,581	Yes	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	34,473	56,037	68,790	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	27,040	32,814	27,040	No	No	No	Bachelor's degree	No	No	No
19-5011 19-5012	Occupational Health and Safety Specialists Occupational Health and Safety Technicians	31,200 37,064	70,993 57,277	91,261 63,856	Yes	Yes	Yes Yes	Postsecondary nondegree award	No Yes	Yes	Yes Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	36.119	56.847	62,625	Yes	Yes	Yes	Master's degree	No	No	No.
21-1013	Marriage and Family Therapists	31,358	41,695	44,662	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	23,601	43,198	41,995	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	36,316	53,724	64,249	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	27,959	39,196	42,191	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	31,579	46,410	49,724	Yes	Yes	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	35,153	53,839	57,899	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	31,105	41,971	44,941	Yes	No	No	Bachelor's degree	No	No	No
21-1029 21-1091	Social Workers, All Other Health Education Specialists	34,798 29,224	44,993 35,772	49,192 38,580	Yes No	No No	No No	Bachelor's degree Bachelor's degree	No No	No No	No No
21-1091	Probation Officers and Correctional Treatment Specialists	29,659	40,702	45,498	No	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	23,923	36.627	39.374	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	28,501	43,845	55,256	No	No	Yes	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	30,722	39,113	45,313	Yes	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	31,200	42,204	55,842	Yes	No	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	27,343	49,560	59,584	No	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	26,921	44,506	56,074	No	No	Yes	Bachelor's degree	No	No	No
23-1011 23-1012	Lawyers Judicial Law Clerks	52,998 34.335	88,743 52.049	101,884 58.362	Yes	Yes	Yes	Doctoral or professional degree	No.	No	No No
23-1012	Administrative Law Judges, Adjudicators, and Hearing Officers	39,177	86,109	106,929	Yes Yes	Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No
23-1022	Arbitrators, Mediators, and Conciliators	33,177	00,103	100,525	163	163	163	Doctoral of professional degree	INO	NO	140
23-1023	Judges, Magistrate Judges, and Magistrates	39,177	86,109	106,929	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-2011	Paralegals and Legal Assistants	29,206	46,040	56,697	No	Yes	Yes	Associate's degree	No	No	Yes
23-2093	Title Examiners, Abstractors, and Searchers	29,135	49,183	57,424	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
23-2099	Legal Support Workers, All Other	27,040	58,619	62,790	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	43,551	78,896	90,115	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021 25-1022	Computer Science Teachers, Postsecondary Mathematical Science Teachers, Postsecondary	44,322 43,863	83,702 69,883	103,722 82,783	Yes Yes	Yes	Yes	Doctoral or professional degree	No No	No No	No No
25-1022 25-1031	Architecture Teachers, Postsecondary	43,863	69,883	82,783	Yes	Yes	Yes	Doctoral or professional degree	NO	NO	NO
25-1032	Engineering Teachers, Postsecondary	43,238	82,994	114,178	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	45,250	02,334	114,170	163	103	163	boctoral of professional acgree	110	110	110
25-1042	Biological Science Teachers, Postsecondary	48,374	82,020	91,962	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary										
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	43,018	59,115	57,277	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	36,696	75,065	90,161	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053 25-1054	Environmental Science Teachers, Postsecondary Physics Teachers, Postsecondary	44,084	59,253	58,554	V	Yes	Yes	Destruct or conference of deserve	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	44,084	59,255	58,554	Yes	res	res	Doctoral or professional degree	NO	NO	NO
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary										
25-1063	Economics Teachers, Postsecondary	43,229	54,742	50,258	Yes	Yes	No	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	,		,							
25-1065	Political Science Teachers, Postsecondary	41,741	58,775	54,273	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	43,845	75,276	85,622	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary										
25-1069	Social Sciences Teachers, Postsecondary, All Other	42,623	59,979	70,572	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071 25-1072	Health Specialties Teachers, Postsecondary	43,744 44,332	86,293 73,650	93,579 87,074	Yes	Yes	Yes	Bachelor's degree	Yes No	Yes	Yes
25-10/2 25-1081	Nursing Instructors and Teachers, Postsecondary Education Teachers, Postsecondary	44,332 34,859	68,661	78.823	Yes Yes	Yes	Yes Yes	Master's degree	No No	Yes No	Yes No
25-1082	Library Science Teachers, Postsecondary	24,029	00,001	/0,023	res	162	162	Doctoral or professional degree	INU	INU	NU
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	39,306	53,538	55,982	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	,	,	,							
25-1113	Social Work Teachers, Postsecondary										
25-1121	Art, Drama, and Music Teachers, Postsecondary	43,156	80,468	90,528	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	42,246	73,632	91,337	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	40,859	63,148	72,327	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
		37,771	62,450	72,511	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary										
	Foreign Language and Literature Teachers, Postsecondary History Teachers, Postsecondary Philosophy and Religion Teachers, Postsecondary	38,644 41.888	51,167 61,991	45,030 72,658	Yes Yes	Yes Yes	No Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No

Wages - Workforce Region 6

Wages - Workforce Re May 2022	egion 6	Annus	al Wages (\$) by Occupa	tion	Wage Mee	ts or Exceeds All Occu	unation Metric	1	Mage I	Meets or Exceeds Education	nal Level Metric
viay 2022		Representative	Average Annual	High-Level Wage	Representative	Average Annual	High-Level Wage		Representa		High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wa		Threshold
			-0-117							0	
25-1193	Recreation and Fitness Studies Teachers, Postsecondary								i i		
25-1194	Career/Technical Education Teachers, Postsecondary	32,259	53,354	67,788	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other										
25-2011	Preschool Teachers, Except Special Education	22,784	30,530	31,109	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	39,061	56,921	60,659	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	46,311	57,211	61,163	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	44,459	54,963	59,276	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2023 25-2031	Career/Technical Education Teachers, Middle School	43,799	60,530 60,558	68,597 62.465	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2032	Secondary School Teachers, Except Special and Career/Technical Education Career/Technical Education Teachers, Secondary School	48,181 43,413	57,562	62,395	Yes	Yes Yes	Yes Yes	Bachelor's degree Bachelor's degree	Yes	No No	No No
25-2032	Special Education Teachers, Preschool	34,776	55,375	70,618	Yes Yes	Yes	Yes		Yes No	No	No
25-2052	Special Education Teachers, Freschool Special Education Teachers, Kindergarten and Elementary School	40,399	53,088	59,776	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	Yes	No No	No No
25-2052	Special Education Teachers, Middle School	43,257	58,536	72,199	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	40,352	50,072	51,482	Yes	Yes	No	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	26,682	54,558	73,999	No	Yes	Yes	Bachelor's degree	No	No	No
	Adult Basic Education, Adult Secondary Education, and English as a Second	.,		.,							
25-3011	Language Instructors	37,606	47,732	49,114	Yes	Yes	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	23,513	40,526	48,271	No	No	No	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	20,800	26,970	29,443	No	No	No	Bachelor's degree	No	No	No
25-3041	Tutors	20,535	39,416	47,777	No	No	No	Bachelor's degree	No	No	No
25-3099	Teachers and Instructors, All Other	38,286	57,998	61,519	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-4011	Archivists										
25-4012	Curators	28,951	51,958	64,977	No	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	27,472	43,358	51,691	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	24,486	52,161	72,428	No	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	23,150	29,018	30,101	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	24,427	41,060	47,002	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	28,963	58,777	76,045	No	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	19,469	30,247	37,634	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	21,402	27,762	28,703	No	No	No	Some college, no degree	No	No	No
25-9099 27-1011	Educational Instruction and Library Workers, All Other Art Directors	22,345	44,497	58,205	No	No	Yes	Bachelor's degree	No	No	No
27-1011	Craft Artists	45,636 19.533	81,561 31.542	91,943 36.375	Yes	Yes No	Yes No	Bachelor's degree	Yes	Yes	Yes No
27-1012		19,533	31,542 43.413	36,375 43.744	No No	No No	No No	Some college, no degree	No No	No No	No No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators Special Effects Artists and Animators	25,258 42,531	43,413 60,888	43,744 69,883	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	Yes	No No	No No
27-1014	Artists and Related Workers, All Other										
27-1015	Commercial and Industrial Designers	24,320 20,939	46,812 54.190	54,438 68.928	No No	Yes Yes	Yes Yes	Some college, no degree	No No	Yes No	Yes No
27-1021	Fashion Designers	34,390	62,101	73,025	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	No	No	No
27-1022	Floral Designers	21.988	29,992	30.295	No	No.	No.	High school diploma or equivalent	No	No.	No.
27-1024	Graphic Designers	30.193	42,774	52,499	No	No	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	32.066	58.113	68.836	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	28,170	35,524	39,197	No	No	No	Some college, no degree	Yes	No	No
27-1027	Set and Exhibit Designers	33,527	42,384	43,881	Yes	No	No	Bachelor's degree	No	No	No
27-1029	Designers, All Other	26,755	56,258	69,304	No	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	27,674	31,560	29,484	No	No	No	Some college, no degree	Yes	No	No
27-2012	Producers and Directors	34,565	74,450	89,022	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-2021	Athletes and Sports Competitors	23,328	59,519	59,188	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	23,328	59,519	59,188	No	Yes	Yes	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	19,497	42,558	42,779	No	No	No	Some college, no degree	No	Yes	Yes
27-2031	Dancers	27,674	31,560	29,484	No	No	No	High school diploma or equivalent	No	No	No
27-2032	Choreographers										
27-2041	Music Directors and Composers	29,172	64,462	76,535	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	27,674	31,560	29,484	No	No	No	Some college, no degree	Yes	No	No
27-2091	Disc Jockeys, Except Radio	20,397	55,771	55,228	No	Yes	Yes	Bachelor's degree	No	No	No
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	20,397	55,771	55,228	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-3011 27-3023	Broadcast Announcers and Radio Disc Jockeys News Analysts, Reporters, and Journalists	33.306	66.557	70.44	V	V	V	Desk steele de see	1 1	N-	N-
27-3023 27-3031	News Analysts, Reporters, and Journalists Public Relations Specialists	33,306 34,239	66,557 55,216	79,411 70,081	Yes	Yes	Yes	Bachelor's degree	No No	No No	No No
27-3031	Editors	34,239		70,081 72.952	Yes	Yes	Yes	Bachelor's degree	No No		
27-3041 27-3042	Technical Writers	33,894 46,169	62,753 70,058	72,952 78,759	Yes Yes	Yes Yes	Yes Yes	Bachelor's degree	No Yes	No No	No No
27-3042	Writers and Authors	46,169 32,782	70,058 57.856	78,759 67.017	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	No Yes	No No	No No
27-3043	Interpreters and Translators	32,782	49.642	66,989	Yes No	Yes	Yes	Bachelor's degree Bachelor's degree	No No	No No	No No
27-3092	Court Reporters and Simultaneous Captioners	25,993	48,439	58,701	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	19.432	43,394	53,703	No	No	Yes	Associate's degree	No.	No.	Yes
27-4011	Audio and Video Technicians	23,622	45,976	55,559	No	Yes	Yes	Associate's degree	No	No	Yes
27-4012	Broadcast Technicians	25,022	58,913	77,840	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4014	Sound Engineering Technicians	24,844	62,257	92,642	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4015	Lighting Technicians	,	,	,	<u> </u>				1 1 -	**	
27-4021	Photographers	25,248	40,050	48,099	No	No	No	Some college, no degree	Yes	Yes	Yes
27-4031	Camera Operators, Television, Video, and Film	27,931	54,255	59,923	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	30,467	50,837	59,721	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4099	Media and Communication Equipment Workers, All Other	25,653	61,825	85,062	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	42,843	80,890	91,870	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	64,692	157,049	195,610	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
	Oral and Maxillofacial Surgeons	48,264	208,850	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1022	Oral and Waxinoracial Surgeons										
29-1023	Orthodontists	64,692	157,049	195,610	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
		64,692	157,049	195,610		Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes

Wages - Workforce Re May 2022	egion 6		/ages (\$) by Occupat		14/ 14	Fd- All	Occupation Metric			14/ \$44-	or Exceeds Educati	
way 2022			Average Annual	High-Level Wage	Representative	Average Ann			<u> </u>	Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
									П			
29-1031	Dietitians and Nutritionists	42,485	58,876	68,716	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
29-1041 29-1051	Optometrists Pharmacists	33,058 73,176	99,983 118.458	129,053 136,381	Yes Yes	Yes Yes	Yes Yes	Doctoral or professional degree		No Yes	No Yes	Yes Yes
29-1051	Physician Assistants	73,176 39.490	118,458	136,381	Yes	Yes	Yes	Doctoral or professional degree Master's degree		No No	Yes	Yes
29-1071	Podiatrists	28,455	120,132	170,996	No	Yes	Yes	Doctoral or professional degree		No	Yes	Yes
29-1122	Occupational Therapists	69,671	96,234	104,038	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
29-1123	Physical Therapists	65,196	90,363	98,830	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	No
29-1124	Radiation Therapists	58,481	78,584	82,572	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
29-1125	Recreational Therapists	27,996	49,872	58,003	No	Yes	Yes	Bachelor's degree		No	No	No
29-1126 29-1127	Respiratory Therapists Speech-Language Pathologists	47,106 50,543	63,130 79,880	69,332 92,256	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes Yes
29-1127	Exercise Physiologists	36,402	48,742	52,123	Yes Yes	Yes	Yes Yes	Master's degree Master's degree		Yes No	Yes No	No
29-1129	Therapists, All Other	32,571	57,048	70,655	Yes	Yes	Yes	Bachelor's degree		No	No	No
29-1131	Veterinarians	78,493	117,382	133,335	Yes	Yes	Yes	Doctoral or professional degree		Yes	Yes	Yes
29-1141	Registered Nurses	48,194	75,419	80,379	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
29-1151	Nurse Anesthetists	112,386	160,228	183,942	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
29-1161 29-1171	Nurse Midwives Nurse Practitioners	57,994	89,757	103,107	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
29-11/1	Audiologists	86,775 56,956	102,776 87,313	109,352 98,706	Yes Yes	Yes	Yes Yes	Master's degree Doctoral or professional degree		Yes Yes	Yes No	Yes No
29-1211	Anesthesiologists	95,554	275,619	*	Yes	Yes	Yes*	Doctoral or professional degree		Yes	Yes	Yes*
29-1212	Cardiologists	165,786	393,986	*	Yes	Yes	Yes*	Doctoral or professional degree		Yes	Yes	Yes*
29-1213	Dermatologists	57,213	238,858	*	Yes	Yes	Yes*	Doctoral or professional degree		Yes	Yes	Yes*
29-1214	Emergency Medicine Physicians	189,234	318,728	*	Yes	Yes	Yes*	Doctoral or professional degree		Yes	Yes	Yes*
29-1215	Family Medicine Physicians	42,442	108,950	151,458	Yes	Yes	Yes	Doctoral or professional degree		No	No	Yes
29-1216 29-1217	General Internal Medicine Physicians	57,213	238,858	*	Yes	Yes	Yes*	Doctoral or professional degree		Yes	Yes	Yes*
29-1217	Neurologists Obstetricians and Gynecologists	85,769 57,213	252,438 238,858	*	Yes Yes	Yes	Yes* Yes*	Doctoral or professional degree Doctoral or professional degree		Yes	Yes	Yes* Yes*
29-1210	Pediatricians, General	111,798	179,568	218.883	Yes	Yes	Yes	Doctoral or professional degree		Yes	Yes	Yes
29-1222	Physicians, Pathologists	91.337	233,979	*	Yes	Yes	Yes*	Doctoral or professional degree		Yes	Yes	Yes*
29-1223	Psychiatrists	49,192	206,029	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*
29-1224	Radiologists	46,748	279,707	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*
29-1229	Physicians, All Other	91,337	233,979	*	Yes	Yes	Yes*	Doctoral or professional degree		Yes	Yes	Yes*
29-1241	Ophthalmologists, Except Pediatric	93,726	201,748	*	Yes	Yes	Yes*	Doctoral or professional degree		Yes	Yes	Yes*
29-1242 29-1243	Orthopedic Surgeons, Except Pediatric	59,721	294,408	•	Yes	Yes	Yes*	Doctoral or professional degree	1	Yes	Yes	Yes*
29-1249	Pediatric Surgeons Surgeons, All Other	59,721	294,408		Yes	Yes	Yes*	Doctoral or professional degree	+	Yes	Yes	Yes*
29-1291	Acupuncturists	33,721	234,400		163	163	163	boctoral of professional degree	1	163	163	163
29-1292	Dental Hygienists	54,319	69,920	74,744	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
29-1299	Healthcare Diagnosing or Treating Practitioners, All Other	29,052	50,974	66,061	No	Yes	Yes	Master's degree		No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	31,785	56,997	62,223	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	27,885	50,680	70,251	No	Yes	Yes	Associate's degree		No	Yes	Yes
29-2032 29-2033	Diagnostic Medical Sonographers Nuclear Medicine Technologists	55,247 60.475	68,092 75,212	75,166 78,685	Yes Yes	Yes	Yes Yes	Associate's degree		Yes	Yes	Yes Yes
29-2034	Radiologic Technologists and Technicians	40,657	49.985	46,933	Yes	Yes	No	Associate's degree Associate's degree		Yes	Yes	No
29-2035	Magnetic Resonance Imaging Technologists	39,480	63,185	72,134	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
29-2036	Medical Dosimetrists											
29-2042	Emergency Medical Technicians	23,696	27,478	29,133	No	No	No	Postsecondary nondegree award		No	No	No
29-2043	Paramedics	28,362	35,889	36,664	No	No	No	Postsecondary nondegree award		No	No	No
29-2051 29-2052	Dietetic Technicians	21,886	28,492	30,807	No	No	No	Associate's degree		No	No	No
29-2052	Pharmacy Technicians Psychiatric Technicians	29,083 25,533	36,363 34,363	37,812 37,551	No No	No No	No No	Postsecondary nondegree award Postsecondary nondegree award		No No	No No	No No
29-2055	Surgical Technologists	34.694	47,988	55,532	Yes	Yes	Yes	Postsecondary nondegree award Postsecondary nondegree award		Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	26,636	34,969	41,511	No	No	No	Associate's degree		No	No	No
29-2057	Ophthalmic Medical Technicians	26,553	39,591	45,306	No	No	No	Postsecondary nondegree award		No	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	37,851	52,497	53,819	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
29-2072	Medical Records Specialists	27,746	36,688	37,823	No	No	No	Postsecondary nondegree award		No	No	No
29-2081 29-2091	Opticians, Dispensing	27,095 39.177	44,892	54,411 89.169	No	No	Yes	Postsecondary nondegree award		No No	Yes	Yes
29-2091	Orthotists and Prosthetists Hearing Aid Specialists	28,666	76,701 48,751	61,559	Yes No	Yes	Yes Yes	Master's degree		No	Yes	Yes Yes
29-2092	Health Technologists and Technicians, All Other	28,850	40,114	43,569	No	No	No	Postsecondary nondegree award Postsecondary nondegree award		No	No	No
29-9021	Health Information Technologists and Medical Registrars	31,230	57,700	74,376	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
29-9091	Athletic Trainers	36,448	50,653	56,331	Yes	Yes	Yes	Bachelor's degree		No	No	No
29-9092	Genetic Counselors											
29-9093	Surgical Assistants	31,570	56,533	65,997	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
29-9099	Healthcare Practitioners and Technical Workers, All Other	28,960	60,585	65,942	No No	Yes No	Yes No	Postsecondary nondegree award		No	Yes	Yes
31-1120 31-1131	Home Health and Personal Care Aides Nursing Assistants	21,452 23,728	26,613 29,852	29,257 34,118	No No	No No	No No	High school diploma or equivalent Postsecondary nondegree award		No No	No No	No No
31-1132	Orderlies	23,728	29,852	34,118	No	No No	No No	High school diploma or equivalent		No	No	No
31-1133	Psychiatric Aides	24,660	29,897	31,818	No	No	No	High school diploma or equivalent		No	No	No
31-2011	Occupational Therapy Assistants	48,622	61,724	67,908	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
31-2012	Occupational Therapy Aides											
31-2021	Physical Therapist Assistants	28,034	61,180	72,421	No	Yes	Yes	Associate's degree		No	Yes	Yes
31-2022	Physical Therapist Aides	21,353	28,905	31,110	No	No	No	Postsecondary nondegree award		No	No	No
31-9011 31-9091	Massage Therapists Dental Assistants	26,645 33.040	46,454 39.186	50,157 42,687	No Yes	Yes No	No No	Postsecondary nondegree award		No Yes	Yes	Yes
31-9091	Medical Assistants	33,040 26,457	39,186	42,687 35,593	No Yes	No No	No No	Postsecondary nondegree award Postsecondary nondegree award		Yes No	No No	No No
31-9093	Medical Equipment Preparers	26,819	35,144	40,041	No	No	No	High school diploma or equivalent		No	No	No
31-9094	Medical Transcriptionists	21,794	32,452	36,154	No	No	No	Postsecondary nondegree award		No	No	No
					-							

Wages - Workforce Re Way 2022	egion 6	Annual W	ages (\$) by Occupat	tion		Wago Monte o	r Evenade All O	Occupation Metric			Wage Moets	or Evenode Educat	tional Level Metric
viay 2022			Average Annual	High-Level Wage			Average Annu			1 1	Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)			Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
31-9095	Pharmacy Aides	21,720	31,285	36,651	No		No	No	High school diploma or equivalent		No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	24,688	30,458	33,260	No		No	No	High school diploma or equivalent	H	No	No	No
31-9097 31-9099	Phlebotomists	25,779 25,202	34,789	37,843 43,275	No No		No No	No No	Postsecondary nondegree award	1 1	No	No	No No
33-1011	Healthcare Support Workers, All Other	-, -	37,615	-, -					High school diploma or equivalent	1 1	No	No	
33-1011	First-Line Supervisors of Correctional Officers First-Line Supervisors of Police and Detectives	42,099 48.761	45,036 70,770	46,155 78.510	Yes		No	No Yes	Some college, no degree	1 1	Yes	Yes No	Yes No
33-1012	First-Line Supervisors of Firefighting and Prevention Workers	39,619	53,958	78,510 56,411	Yes		Yes	Yes	Bachelor's degree Associate's degree	1 1	Yes	Yes	Yes
33-1021	First-Line Supervisors of Security Workers	27.894	45.370	53,639	No		No	Yes	Bachelor's degree	1 1	No	No	No.
33-1099	First-Line Supervisors of Protective Service Workers, All Other	35,309	54,595	62,560	Yes		Yes	Yes	Some college, no degree	1 1	Yes	Yes	Yes
33-2011	Firefighters	24,899	32,926	35,734	No		No	No	Postsecondary nondegree award	1 1	No	No	No
33-2021	Fire Inspectors and Investigators	37,312	57,921	70,839	Yes		Yes	Yes	Postsecondary nondegree award	H	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	51,140	84,097	94,939	Yes		Yes	Yes	Some college, no degree		Yes	Yes	Yes
33-3011	Bailiffs	24,737	33,590	43,068	No		No	No	High school diploma or equivalent	l i	No	No	No
33-3012	Correctional Officers and Jailers	38,750	40,040	40,186	Yes		No	No	High school diploma or equivalent		Yes	No	No
33-3021	Detectives and Criminal Investigators	38,224	51,738	59,405	Yes		Yes	Yes	Some college, no degree		Yes	Yes	Yes
33-3031	Fish and Game Wardens	24,844	26,939	27,095	No		No	No	Bachelor's degree		No	No	No
33-3041	Parking Enforcement Workers	29,172	37,422	38,948	No		No	No	High school diploma or equivalent		No	No	No
33-3051	Police and Sheriff's Patrol Officers	35,712	46,754	52,998	Yes		Yes	Yes	Associate's degree	1 1	Yes	No	No
33-3052	Transit and Railroad Police	54,870	68,174	55,954	Yes		Yes	Yes	Associate's degree	\sqcup	Yes	Yes	Yes
33-9011	Animal Control Workers	22,880	27,431	27,287	No		No	No	Postsecondary nondegree award	\sqcup	No	No	No
33-9021 33-9031	Private Detectives and Investigators Cambling Suppliance Officers and Cambling Investigators	36,024 26,066	52,222 32,736	57,906 35.484	Yes No		Yes No	Yes No	Bachelor's degree	1 - 1	No No	No No	No No
33-9032	Gambling Surveillance Officers and Gambling Investigators Security Guards	25,055	32,736	35,484 38.032	No No		No	No No	High school diploma or equivalent	\Box	No No	No No	No No
33-9032 33-9091	Crossing Guards and Flaggers	21,082	32,814 28.997	38,032 31.542	No No		No No	No No	High school diploma or equivalent No formal educational credential	1 1	No Yes	No No	No No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	22,961 19,138	28,997 27,463	31,542 30,651	No No		No No	No No	No formal educational credential No formal educational credential	1 1	Yes No	No No	No No
33-9092	Transportation Security Screeners	32,415	40.298	44.010	Yes		No	No No	High school diploma or equivalent	1 1	Yes	No	No No
33-9094	School Bus Monitors	20.800	26,181	27.115	No		No	No No	High school diploma or equivalent	1 1	No	No	No
33-9099	Protective Service Workers, All Other	25,614	35,701	45.541	No		No	No	High school diploma or equivalent	1 1	No	No	No
35-1011	Chefs and Head Cooks	35,980	63,517	69,202	Yes		Yes	Yes	Associate's degree	1 1	Yes	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	26,070	37,425	44,598	No		No	No	High school diploma or equivalent	1 1	No	No	No
35-2011	Cooks, Fast Food	20,204	24,366	26,525	No		No	No	No formal educational credential		No	No	No
35-2012	Cooks, Institution and Cafeteria	21,692	30,207	31,914	No		No	No	No formal educational credential	H	No	Yes	No
35-2013	Cooks, Private Household	29,723	54,080	66,640	No		Yes	Yes	Postsecondary nondegree award	H	Yes	Yes	Yes
35-2014	Cooks, Restaurant	23,580	32,161	36,020	No		No	No	High school diploma or equivalent	ΙÍ	No	No	No
35-2015	Cooks, Short Order	20,452	26,966	31,377	No		No	No	No formal educational credential	ΙÍ	No	No	No
35-2019	Cooks, All Other	24,964	30,807	32,599	No		No	No	No formal educational credential	ΙÍ	Yes	Yes	Yes
35-2021	Food Preparation Workers	22,882	28,244	29,474	No		No	No	No formal educational credential		Yes	No	No
35-3011	Bartenders	19,497	31,560	35,245	No		No	No	No formal educational credential		No	Yes	Yes
35-3023	Fast Food and Counter Workers	21,853	25,284	27,524	No		No	No	No formal educational credential		No	No	No
35-3031	Waiters and Waitresses	20,972	30,165	34,327	No		No	No	No formal educational credential	l i	No	Yes	Yes
35-3041	Food Servers, Nonrestaurant	21,403	25,208	28,346	No		No	No	No formal educational credential		No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	19,442	25,809	28,234	No		No	No	No formal educational credential		No	No	No
35-9021	Dishwashers	20,443	24,826	26,590	No		No	No	No formal educational credential		No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	19,644	26,709	27,803	No		No	No	No formal educational credential	H	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	20,388	25,947	26,544	No		No	No	No formal educational credential		No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	29,700	47,681	55,120	No		Yes	Yes	High school diploma or equivalent	1 1	Yes	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	31,200	52,474	60,656	Yes		Yes	Yes	Some college, no degree	\sqcup	Yes	Yes	Yes
37-2011 37-2012	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	21,922	28,344	31,200	No		No	No	High school diploma or equivalent	1 1	No	No	No
37-2012	Maids and Housekeeping Cleaners Building Cleaning Workers All Other	21,452	26,126	29,156	No		No	No No	No formal educational credential	1	No	No	No
37-2019 37-2021	Building Cleaning Workers, All Other Pest Control Workers	22,455 28,933	27,950 41,228	30,504 46,397	No No		No No	No No	No formal educational credential High school diploma or equivalent	1 1	No.	No No	No No
37-2021	Landscaping and Groundskeeping Workers	28,933	41,228 32.363	46,397 36.142	No No		No	No No	High school diploma or equivalent No formal educational credential	1 1	No Yes	Yes	No Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	22,204	33,762	45,680	No		No	No	High school diploma or equivalent	1 1	No	No	No
37-3012	Tree Trimmers and Pruners	25,744	36,099	43,339	No		No	No	High school diploma or equivalent	1 1	No	No	No
37-3019	Grounds Maintenance Workers, All Other	23,,	30,033	45,555	1.0		-		G. Carrat Especial of Equivalent	\Box			
39-1013	First-Line Supervisors of Gambling Services Workers	30,320	53,042	65,096	Yes		Yes	Yes	Some college, no degree	1 1	Yes	Yes	Yes
	First-Line Supervisors of Entertainment and Recreation Workers, Except	30,320	33,042	05,050	1.03					1 1			
39-1014	Gambling Services	26,794	44,432	46,115	No		No	No	Some college, no degree		Yes	Yes	Yes
39-1022	First-Line Supervisors of Personal Service Workers	29,848	48,122	52,009	No		Yes	No	Some college, no degree	1 1	Yes	Yes	Yes
39-2011	Animal Trainers	30,579	41,084	43,559	Yes		No	No	High school diploma or equivalent	1 1	Yes	No	No
39-2021	Animal Caretakers	22,738	29,390	29,826	No		No	No	High school diploma or equivalent		No	No	No
39-3011	Gambling Dealers	19,726	32,341	43,679	No		No	No	High school diploma or equivalent		No	No	No
39-3012	Gambling and Sports Book Writers and Runners								·				
39-3019	Gambling Service Workers, All Other									LÍ			
39-3021	Motion Picture Projectionists												
39-3031	Ushers, Lobby Attendants, and Ticket Takers	19,699	24,210	26,066	No		No	No	No formal educational credential		No	No	No
39-3091	Amusement and Recreation Attendants	22,771	25,959	27,040	No		No	No	No formal educational credential		Yes	No	No
39-3092	Costume Attendants												
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	20,820	27,830	30,430	No		No	No	High school diploma or equivalent	μĮ	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	21,399	26,636	26,682	No		No	No	High school diploma or equivalent	μĴ	No	No	No
39-4011	Embalmers	30,017	42,898	48,062	No		No	No	Associate's degree		No	No	No
39-4012	Crematory Operators	28,556	36,393	43,496	No		No	No	High school diploma or equivalent	1 1	No	No	No
39-4021	Funeral Attendants	21,620	30,221	35,858	No		No	No	High school diploma or equivalent		No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	37,328	54,737	62,040	Yes		Yes	Yes	Associate's degree	1 1	Yes	Yes	Yes
39-5011	Barbers Heinteliste and Connected airch	20,066	31,037	34,262	No		No	No	Postsecondary nondegree award	1	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,699	32,194	39,563	No		No	No	Postsecondary nondegree award	1 1	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	20.054	20.025	22.250	N-		N-	N-	Destruction and according to		N-	N-	N-
39-5092	Manicurists and Pedicurists	20,654	30,825	32,360	No		No	No	Postsecondary nondegree award	1 1	No	No	No

Wages - Workforce Re	egion 6							_				
May 2022			/ages (\$) by Occupat Average Annual	tion High-Level Wage	Representative	Average Annu	Occupation Metric ual High-Level Wage		I -	Wage Meets Representative	Or Exceeds Educat Average Annua	tional Level Metric I High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
		0 0 1,7	-0-117							0 10		
39-5093	Shampooers	19,111	22,547	24,330	No	No	No	High school diploma or equivalent	1	No	No	No
39-5094	Skincare Specialists	20,967	37,799	41,566	No	No	No	Postsecondary nondegree award		No	No	No
39-6011	Baggage Porters and Bellhops	19,864	27,260	31,652	No	No	No	High school diploma or equivalent		No	No	No
39-6012	Concierges	22,712	32,810	35,135	No	No	No	High school diploma or equivalent		No	No	No
39-7010	Tour and Travel Guides	20,948	33,435	36,779	No	No	No	High school diploma or equivalent		No .	No	No
39-9011 39-9031	Childcare Workers	21,586	27,234	29,996	No	No	No	High school diploma or equivalent		No	No	No
39-9032	Exercise Trainers and Group Fitness Instructors Recreation Workers	23,481 21.531	45,549 27.317	47,222 29.378	No No	No No	No No	Postsecondary nondegree award		No No	Yes No	No No
39-9041	Residential Advisors	32,149	33,862	32,149	Yes	No	No	Bachelor's degree Some college, no degree		res	No	No
39-9099	Personal Care and Service Workers, All Other	19,111	28.280	30,017	No.	No.	No No	High school diploma or equivalent		No.	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	28,938	46,942	55,368	No	Yes	Yes	Some college, no degree		es es	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	60,559	102,790	101,116	Yes	Yes	Yes	Some college, no degree		res .	Yes	Yes
41-2011	Cashiers	21,887	25,507	27,843	No	No	No	No formal educational credential		No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	19,506	30,577	31,680	No	No	No	No formal educational credential	1	No	Yes	No
41-2021	Counter and Rental Clerks	23,858	36,985	46,020	No	No	No	No formal educational credential	١	'es	Yes	Yes
41-2022	Parts Salespersons	22,615	34,035	37,093	No	No	No	High school diploma or equivalent	1	No	No	No
41-2031	Retail Salespersons	22,621	31,266	32,301	No	No	No	High school diploma or equivalent	1	No	No	No
41-3011	Advertising Sales Agents	29,769	60,236	66,079	No	Yes	Yes	Some college, no degree		es es	Yes	Yes
41-3021	Insurance Sales Agents	28,601	61,593	80,995	No	Yes	Yes	Postsecondary nondegree award		No	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	37,881	53,570	57,489	Yes	Yes	Yes	Bachelor's degree		No	No	No
41-3041	Travel Agents	22,722	40,142	46,050	No	No	No	Some college, no degree	1 1	No	Yes	Yes
41 2001	Sales Representatives of Services, Except Advertising, Insurance, Financial	20.052	C3.0C4	74 407	Voc	Voc	Voc	Racholaris dograe	11.	do.	No	No
41-3091	Services, and Travel Sales Representatives, Wholesale and Manufacturing, Technical and Scientific	30,952	62,861	71,487	Yes	Yes	Yes	Bachelor's degree	+ $+$ $+$	No	No	No
41-4011	Products	36.464	85,922	101,326	Yes	Yes	Yes	Rachelor's degree	1 1.	No	Yes	Yes
41-4011	Sales Representatives, Wholesale and Manufacturing, Except Technical and	30,404	85,922	101,326	res	res	res	Bachelor's degree	+ $+$ $+$	NU	162	res
41-4012	Scientific Products	29.735	69.901	80.396	No	Yes	Yes	Some college, no degree		es es	Yes	Yes
41-9011	Demonstrators and Product Promoters	19,460	45,103	71,803	No	No	Yes	No formal educational credential		No	Yes	Yes
41-9012	Models	,	,									
41-9021	Real Estate Brokers	26,259	51,985	58,288	No	Yes	Yes	Postsecondary nondegree award		No	Yes	Yes
41-9022	Real Estate Sales Agents	26,259	51,985	58,288	No	Yes	Yes	Postsecondary nondegree award		No	Yes	Yes
41-9031	Sales Engineers	44,819	113,443	147,668	Yes	Yes	Yes	Bachelor's degree	١	'es	Yes	Yes
41-9041	Telemarketers	19,736	28,795	30,210	No	No	No	High school diploma or equivalent	1	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	19,809	32,599	45,866	No	No	No	High school diploma or equivalent	1	No	No	No
41-9099	Sales and Related Workers, All Other	20,884	27,730	31,242	No	No	No	Some college, no degree	1	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	35,360	55,605	65,422	Yes	Yes	Yes	Some college, no degree	١	'es	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	23,944	28,767	31,496	No	No	No	High school diploma or equivalent	1	No	No	No
43-2021	Telephone Operators								i i			
43-2099	Communications Equipment Operators, All Other											
43-3011	Bill and Account Collectors	28,473	38,010	41,493	No	No	No	High school diploma or equivalent	1	No	No	No
43-3021	Billing and Posting Clerks	29,676	36,494	39,321	No	No	No	High school diploma or equivalent	١	es es	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	26,577	41,853	48,258	No	No	No	Some college, no degree	١	'es	Yes	Yes
43-3041	Gambling Cage Workers	20,388	29,447	35,033	No	No	No	High school diploma or equivalent	1	No	No	No
43-3051	Payroll and Timekeeping Clerks	29,409	46,657	53,333	No	Yes	Yes	Some college, no degree		'es	Yes	Yes
43-3061	Procurement Clerks	28,703	40,454	45,177	No	No	No	Associate's degree		No	No	No
43-3071	Tellers	24,821	33,840	36,391	No	No	No	High school diploma or equivalent		No	No	No
43-3099	Financial Clerks, All Other	32,966	49,982	55,982	Yes	Yes	Yes	Some college, no degree		/es	Yes	Yes
43-4011	Brokerage Clerks	34,234	50,965	55,311	Yes	Yes	Yes	Some college, no degree	,	es es	Yes	Yes
43-4021	Correspondence Clerks							<u> </u>	1 .			
43-4031 43-4041	Court, Municipal, and License Clerks	29,129	42,257	45,228	No	No	No	Some college, no degree		/es	Yes	Yes
43-4041	Credit Authorizers, Checkers, and Clerks	26,525	40,133	46,776	No	No	No	Some college, no degree		/es	Yes	Yes
43-4051	Customer Service Representatives	23,707 24.844	37,150	43,123	No	No	No No	High school diploma or equivalent		No	No	No
43-4061	Eligibility Interviewers, Government Programs File Clerks	24,844	35,520 36,886	43,955 45,222	No No	No No	No No	High school diploma or equivalent		No No	No No	No No
43-40/1	Hotel, Motel, and Resort Desk Clerks	25,708	36,886 26.954	45,222 28.793	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent		NO NO	No No	No No
43-4111	Interviewers, Except Eligibility and Loan	35,385	45.682	52,378	Yes	No	Yes	High school diploma or equivalent		res	Yes	Yes
43-4111	Library Assistants, Clerical	20,800	26,305	32,129	No	No	No.	Some college, no degree		vo No	No	No
43-4131	Loan Interviewers and Clerks	29,595	41,746	45.581	No.	No	No	High school diploma or equivalent		No.	No	No
43-4141	New Accounts Clerks	33,315	39,903	43,220	Yes	No	No	High school diploma or equivalent		es es	No	No
43-4151	Order Clerks	26,244	45,970	57,036	No	Yes	Yes	High school diploma or equivalent		No.	Yes	Yes
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	28,234	39.627	44.837	No	No	No	Associate's degree		No	No	No
43-4171	Receptionists and Information Clerks	23,244	31,021	34,907	No	No	No	High school diploma or equivalent		No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	26,893	38,810	44,543	No	No	No	High school diploma or equivalent		No.	No	No
43-4199	Information and Record Clerks, All Other	26,520	37,925	42,640	No	No	No	High school diploma or equivalent	1	No	No	No
43-5011	Cargo and Freight Agents	29,080	46,307	55,761	No	Yes	Yes	High school diploma or equivalent	1	No	Yes	Yes
43-5021	Couriers and Messengers	24,284	30,632	32,488	No	No	No	High school diploma or equivalent	1	No	No	No
43-5031	Public Safety Telecommunicators	30,457	39,038	44,759	Yes	No	No	High school diploma or equivalent	١	'es	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	31,062	48,980	54,329	Yes	Yes	Yes	High school diploma or equivalent		es es	Yes	Yes
43-5041	Meter Readers, Utilities	28,198	42,457	51,811	No	No	No	High school diploma or equivalent		No	No	Yes
43-5051	Postal Service Clerks	39,770	55,480	68,307	Yes	Yes	Yes	High school diploma or equivalent		es es	Yes	Yes
43-5052	Postal Service Mail Carriers	39,645	54,581	71,198	Yes	Yes	Yes	High school diploma or equivalent		'es	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	35,447	47,924	61,706	Yes	Yes	Yes	High school diploma or equivalent		es es	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	34,320	54,743	63,746	Yes	Yes	Yes	Some college, no degree		es es	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	28,097	34,745	37,701	No	No	No	High school diploma or equivalent		No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	24,780	34,767	38,608	No	No	No	High school diploma or equivalent		No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	32,614	53,536	57,082	Yes	Yes	Yes	Some college, no degree		res .	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	27,996	44,947	54,787	No	No	Yes	Some college, no degree		/es	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	22,542	31,933	37,577	No	No	No	Some college, no degree		No	No	No

Wages - Workforce Re	egion 6	A	/ (¢) h 0	[14/ 84		Danis and Adams			14/ 84	F d- F-d	
May 2022			/ages (\$) by Occupat Average Annual	ion High-Level Wage	Representative	Average Annu	Occupation Metric ual High-Level Wage		R	Representative	Average Annua	tional Level Metric I High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		starting Wage	Wage	Threshold
•	·					•		·			•	
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	24,965	36,082	42,148	No	No	No	High school diploma or equivalent		No	No	No
43-9021 43-9022	Data Entry Keyers	27,726 21.830	32,147 30,926	35,549 34,151	No No	No No	No No	High school diploma or equivalent		No No	No No	No No
43-9022	Word Processors and Typists Desktop Publishers	21,830	30,926 45.976	55,559	No No	Yes	Yes	High school diploma or equivalent Associate's degree		NO NO	No No	Yes
43-9041	Insurance Claims and Policy Processing Clerks	35,360	44,284	46,697	Yes	No	No	High school diploma or equivalent		es es	Yes	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	22,079	31,781	35,548	No	No	No	High school diploma or equivalent		No	No	No
43-9061	Office Clerks, General	24,785	37,498	43,687	No	No	No	High school diploma or equivalent	N	No	No	No
43-9071	Office Machine Operators, Except Computer	20,544	30,926	35,079	No	No	No	High school diploma or equivalent		No	No	No
43-9081	Proofreaders and Copy Markers	25,910	32,029	33,545	No	No	No	Bachelor's degree		No .	No	No
43-9111 43-9199	Statistical Assistants Office and Administrative Support Workers, All Other	32,580 29,442	42,246 44,084	46,831 50,827	Yes No	No No	No No	Bachelor's degree		No '	No	No
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	31.986	56,042	67.610	Yes	Yes	Yes	Some college, no degree High school diploma or equivalent		'es 'es	Yes	Yes Yes
45-2011	Agricultural Inspectors	24,844	35,998	38,286	No	No	No	Bachelor's degree		No	No	No
45-2021	Animal Breeders	24,853	34,225	36,200	No	No	No	High school diploma or equivalent	N	No	No	No
45-2041	Graders and Sorters, Agricultural Products	20,507	24,173	25,147	No	No	No	No formal educational credential		No	No	No
45-2091	Agricultural Equipment Operators	24,109	33,407	35,530	No	No	No	No formal educational credential		'es	Yes	Yes
45-2092 45-2093	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	20,912	25,882	26,966	No	No	No No	No formal educational credential		No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals Agricultural Workers, All Other	21,138 19,736	28,141 32,782	31,200 38,516	No No	No No	No	No formal educational credential No formal educational credential		No No	No Yes	No Yes
45-3031	Fishing and Hunting Workers	24,596	33,040	39,545	No	No	No	No formal educational credential		es es	Yes	Yes
45-4011	Forest and Conservation Workers	30,072	38,828	45,811	No	No	No	Postsecondary nondegree award		'es	No	No
45-4021	Fallers	35,971	42,733	48,328	Yes	No	No	High school diploma or equivalent	Y	'es	No	No
45-4022	Logging Equipment Operators	29,598	46,040	54,080	No	Yes	Yes	High school diploma or equivalent		No.	Yes	Yes
45-4023	Log Graders and Scalers	20,507	24,173	25,147	No	No	No	High school diploma or equivalent		No .	No	No
45-4029 47-1011	Logging Workers, All Other First-Line Supervisors of Construction Trades and Extraction Workers	38,231 38.168	41,428 66.631	42,889 78,682	Yes Yes	No Yes	No Yes	High school diploma or equivalent		es /es	No Yes	No Yes
47-2011	Boilermakers	19,111	43.045	78,082 52.371	No No	No.	Yes	Some college, no degree High school diploma or equivalent		vo No	Yes	Yes
47-2021	Brickmasons and Blockmasons	27,444	39,995	45,498	No	No	No	High school diploma or equivalent		No	No	No
47-2022	Stonemasons	26,783	42,705	53,023	No	No	Yes	High school diploma or equivalent	N	No	No	Yes
47-2031	Carpenters	33,079	44,916	46,268	Yes	No	No	Postsecondary nondegree award	Y	'es	Yes	No
47-2041	Carpet Installers	19,111	31,230	34,234	No	No	No	No formal educational credential		No	Yes	Yes
47-2042 47-2043	Floor Layers, Except Carpet, Wood, and Hard Tiles Floor Sanders and Finishers	31,018	41,676 36.154	47,005	Yes	No	No No	No formal educational credential No formal educational credential		es .	Yes	Yes
47-2043	Tile and Stone Setters	22,317 29,126	36,154 42,228	45,030 45,333	No No	No No	No No	No formal educational credential No formal educational credential		No 'es	Yes	Yes Yes
47-2051	Cement Masons and Concrete Finishers	28,317	39,811	44,662	No	No	No	No formal educational credential		es es	Yes	Yes
47-2053	Terrazzo Workers and Finishers	32,277	47,722	53,088	Yes	Yes	Yes	High school diploma or equivalent		'es	Yes	Yes
47-2061	Construction Laborers	22,884	37,093	41,206	No	No	No	No formal educational credential	Υ	'es	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	28,188	37,128	41,171	No	No	No	High school diploma or equivalent		No	No	No
47-2072	Pile Driver Operators	31,818	44,433	45,765	Yes	No	No	High school diploma or equivalent		/es	Yes	No
47-2073 47-2081	Operating Engineers and Other Construction Equipment Operators Drywall and Ceiling Tile Installers	28,348 20,461	39,852 35,750	45,289 44,175	No No	No No	No No	High school diploma or equivalent No formal educational credential		No No	No Yes	No Yes
47-2081	Tapers	26,277	38,562	43,284	No	No	No	No formal educational credential		es es	Yes	Yes
47-2111	Electricians	37,073	56.833	67,567	Yes	Yes	Yes	Postsecondary nondegree award		es es	Yes	Yes
47-2121	Glaziers	26,277	38,562	43,284	No	No	No	High school diploma or equivalent	N	No	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	26,902	39,958	44,396	No	No	No	High school diploma or equivalent	N	No	No	No
47-2132	Insulation Workers, Mechanical	33,453	45,048	46,886	Yes	No	No	High school diploma or equivalent		res .	Yes	No
47-2141	Painters, Construction and Maintenance	27,132	36,393	40,849	No	No	No	No formal educational credential	Y	'es	Yes	Yes
47-2142 47-2151	Paperhangers Pipelayers	30,191	38.984	42,632	No	No	No	No formal adjustional gradential		/or	Voc	Voc
47-2152	Plumbers, Pipefitters, and Steamfitters	30,073	47,753	50,272	No	Yes	No	No formal educational credential Postsecondary nondegree award		es es	Yes	Yes Yes
47-2161	Plasterers and Stucco Masons	24,725	38,405	43,459	No	No	No	No formal educational credential		res .	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	32,387	43,119	50,616	Yes	No	No	High school diploma or equivalent		'es	Yes	Yes
47-2181	Roofers	29,036	41,266	48,126	No	No	No	No formal educational credential		es es	Yes	Yes
47-2211	Sheet Metal Workers	31,202	43,900	48,374	Yes	No	No	High school diploma or equivalent		'es	Yes	No
47-2221 47-2231	Structural Iron and Steel Workers Solar Photovoltaic Installers	32,571	44,819	52,316	Yes	No	Yes	High school diploma or equivalent		'es	Yes	Yes
47-3011	HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	32,645 19,111	39,940 31,533	43,009 35,061	Yes No	No No	No No	High school diploma or equivalent No formal educational credential		'es No	No Yes	No Yes
47-3012	HelpersCarpenters	24.697	31,772	35,001	No.	No	No	No formal educational credential		/es	Yes	Yes
47-3013	HelpersElectricians	28,211	37,255	37,663	No	No	No	High school diploma or equivalent		No	No	No
47-3014	HelpersPainters, Paperhangers, Plasterers, and Stucco Masons	24,495	28,896	30,256	No	No	No	No formal educational credential	Υ	es es	No	No
47-3015	HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters	27,150	33,132	35,226	No	No	No	High school diploma or equivalent		٧o	No	No
47-3016	HelpersRoofers	27,453	33,306	35,401	No	No	No	No formal educational credential		es es	Yes	Yes
47-3019 47-4011	Helpers, Construction Trades, All Other	25,689	33,995	37,551	No	No	No	No formal educational credential		es .	Yes	Yes
47-4011 47-4021	Construction and Building Inspectors	38,085 44.828	56,918 77,739	74,984 94,654	Yes Yes	Yes	Yes	Postsecondary nondegree award Postsecondary nondegree award		'es	Yes	Yes Yes
47-4021	Elevator and Escalator Installers and Repairers Fence Erectors	30,552	41,759	47,939	Yes	Yes No	Yes No	No formal educational credential		es 'es	Yes	Yes
47-4041	Hazardous Materials Removal Workers	28,023	37,119	42,522	No	No	No	High school diploma or equivalent		No.	No	No
47-4051	Highway Maintenance Workers	27,456	37,498	43,659	No	No	No	High school diploma or equivalent		No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	41,410	50,386	57,204	Yes	Yes	Yes	High school diploma or equivalent		'es	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	28,087	43,790	51,011	No	No	No	High school diploma or equivalent		No	Yes	Yes
47-4090 47-5011	Miscellaneous Construction and Related Workers	29,190	39,581	43,321	No	No	No	High school diploma or equivalent	N	No	No	No
47-5011 47-5012	Derrick Operators, Oil and Gas Rotary Drill Operators, Oil and Gas											
47-5012	Service Unit Operators, Oil and Gas											
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	41,653	54,529	58,576	Yes	Yes	Yes	High school diploma or equivalent	Y	'es	Yes	Yes
47-5023	Earth Drillers, Except Oil and Gas	32,020	45,397	47,189	Yes	No	No	High school diploma or equivalent	Υ	'es	Yes	No
47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	48,843	65,115	75,047	Yes	Yes	Yes	High school diploma or equivalent		'es	Yes	Yes
47-5041	Continuous Mining Machine Operators	25,230	36,981	40,914	No	No	No	No formal educational credential	Y	res .	Yes	Yes

May 2022	egion 6	Annual W	ages (\$) by Occupat	tion	Wage Meet	s or Exceeds All C	Occupation Metric		Wage Me	ets or Exceeds Educ	ational Level Metric
,			Average Annual	High-Level Wage	Representative	Average Annu			Representativ		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage		Threshold
47-5043	Roof Bolters, Mining										
47-5044 47-5049	Loading and Moving Machine Operators, Underground Mining										
47-5049 47-5051	Underground Mining Machine Operators, All Other Rock Splitters, Quarry	33.903	61,504	82.039	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry Roustabouts, Oil and Gas	31,432	45,453	56,175	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-5071	HelpersExtraction Workers	27.003	32,268	35,401	No.	No	No.	High school diploma or equivalent	No No	No	No
47-5099	Extraction Workers, All Other	27,003	32,200	33,401	NO	INU	INU	rigii scriooi dipionia oi equivalent	NO	INU	INU
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	42.171	72.163	87.818	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	28,427	37,983	43,597	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	35,079	53,951	66,098	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	28,051	50,313	61,761	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2091	Avionics Technicians	35,254	62,919	72,107	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	28,290	41,924	46,867	No	No	No	High school diploma or equivalent	No	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	36,825	51,691	58,453	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	36,005	48,947	64,006	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	36,696	70,241	90,896	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	30,513	40,758	44,635	Yes	No	No	Postsecondary nondegree award	Yes	No	No
49-2097	Audiovisual Equipment Installers and Repairers	35,107	43,293	46,454	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-2098	Security and Fire Alarm Systems Installers	29,365	43,312	53,667	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	36,651	64,416	73,182	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	30,405	42,737	45,946	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-3022	Automotive Glass Installers and Repairers	30,807	42,512	50,359	Yes	No	No	High school diploma or equivalent	Yes	No	Yes
49-3023	Automotive Service Technicians and Mechanics	27,533	42,602	48,533	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	35,511	49,340	60,114	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	23,200	43,047	50,366	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	38,320	55,602	63,768	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	34,409	49,403	54,934	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	30,559	47,437	55,807	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	27,389	42,264	54,218	No	No	Yes	High school diploma or equivalent	No	No	Yes
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	26,480	37,624	43,624	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	21,555	33,600	40,133	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	28,097	44,672	56,331	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
49-3093	Tire Repairers and Changers	22,638	29,216	30,880	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	28,666	42,301	49,945	No	No	No	High school diploma or equivalent	No	No	Yes
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	31,220	51,452	59,731	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	31,730	44,349	47,239	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9031	Home Appliance Repairers	25,460	39,306	45,627	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	38,566	53,169	62,088	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	30,531	49,743	53,997	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9044	Millwrights	37,514	51,406	60,686	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons										
49-9051	Electrical Power-Line Installers and Repairers	46,647	74,439	81,914	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	38,809	49,902	58,728	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers										
49-9062	Medical Equipment Repairers	30,550	49,027	56,515	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-9063	Musical Instrument Repairers and Tuners	26,213	38,589	47,345	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers										
49-9069	Precision Instrument and Equipment Repairers, All Other										
49-9071	Maintenance and Repair Workers, General	24,767	37,735	43,514	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians										
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	25,175	37,073	44,543	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers										
49-9094	Locksmiths and Safe Repairers	28,482	40,638	50,680	No	No	No	High school diploma or equivalent	No	No	Yes
49-9095	Manufactured Building and Mobile Home Installers	20,085	28,400	35,934	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	30,587	47,547	55,210	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	43,431	58,196	65,712	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	HelpersInstallation, Maintenance, and Repair Workers	21,853	33,626	40,197	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	30,641	41,211	44,029	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	31,222	59,962	75,600	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	30,384	43,247	51,314	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	30,541	41,823	44,561	Yes	No	No	High school diploma or equivalent	Yes	No	No
F4 2020	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders,				1			1	1 1		
51-2028	Tapers, and Finishers	24,311	34,758	38,635	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	30,936	39,940	44,341	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-2041	Structural Metal Fabricators and Fitters	34,205	41,810	48,283	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-2051	Fiberglass Laminators and Fabricators	30,613	38,430	38,078	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters	24.204	24 277	25.45-	1			1	1		
51-2090	Miscellaneous Assemblers and Fabricators	24,204	31,376	35,187	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	22,152	29,567	33,646	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	27,162	35,013	37,458	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	26,574	30,394	29,189	No	No	No	No formal educational credential	Yes	Yes	No
51-3023	Slaughterers and Meat Packers	24,458	25,717	26,691	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	22,869	34,041	33,426	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	23,535	34,687	39,174	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	23,094	28,376	28,483	No	No	No	High school diploma or equivalent	No	No	No
	Food Processing Workers, All Other	22,079	29,254	32,764	No	No	No	No formal educational credential	No	No	Yes
51-3099											
51-3099	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	28,685	37,202	41,244	No	No	No	High school diploma or equivalent	No	No	No

Wages - Workforce R May 2022	REGION 6	Annual M	/ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All O	Occupation Metric	I	Wage Meet	s or Exceeds Educa	tional Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annua			Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	27,885	36,834	42,071	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	28,188	38,525	41,612	No	No	No	High school diploma or equivalent	No	No	No
F4 4004	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and	25.457	25.202	40.540							
51-4031	Plastic	26,167	35,383	40,519	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	27.711	F1 710	76.020	N-	V	V	High sales I dialogue as a suit alogu	N-	V	V
51-4032	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and	27,711	51,710	76,820	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-4033	Tenders, Metal and Plastic	23,870	31,349	33,398	No	No	No	High school diploma or equivalent	No	No	No
31 4033	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and	23,670	31,343	33,336	140	140	NO	riigii scrioor dipionia or equivalent	140	140	140
51-4034	Plastic	25,671	35,778	43,955	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	28,979	38,745	42,430	No	No	No	Postsecondary nondegree award	No	No	No
51-4041	Machinists	34,318	45,375	47,967	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	35,980	45,875	46,730	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	No
51-4052	Pourers and Casters, Metal	27,426	42,880	52,004	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-4061	Model Makers, Metal and Plastic										
51-4062	Patternmakers, Metal and Plastic										
51-4071	Foundry Mold and Coremakers										
	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders,										
51-4072	Metal and Plastic	25,285	33,986	36,540	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	28,666	34,978	35,383	No	No	No	High school diploma or equivalent	No	No	No
51-4111 51-4121	Tool and Die Makers	35,961 31,638	53,556 41,300	60,429 48.605	Yes	Yes No	Yes No	Postsecondary nondegree award	Yes Yes	Yes No	Yes Yes
51-4121 51-4122	Welding Soldering and Brazing Machine Setters, Operators, and Tondors	31,638 27.334	.=,	48,605 37.661	Yes	No No	No No	Postsecondary nondegree award			Yes No
51-4122 51-4191	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	,	34,629	. ,	No No			Postsecondary nondegree award	No No	No	
51-4191	Layout Workers, Metal and Plastic	22,933	37,468	43,551	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	27.646	36,990	41.226	No	No	No	High school diploma or equivalent	No	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	25,303	33,857	35,741	No	No	No	High school diploma or equivalent	No No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	26,893	35,897	42,108	No	No	No	High school diploma or equivalent	No No	No	No
51-5111	Prepress Technicians and Workers	29,190	41.465	45.315	No	No	No	Postsecondary nondegree award	Yes	No	No
51-5111	Printing Press Operators	24,293	35,778	41,244	No	No	No	High school diploma or equivalent	No.	No	No
51-5112	Print Binding and Finishing Workers	24,293	35,778	41,244	No No	No	No No		No No	No	No No
51-6011	Laundry and Dry-Cleaning Workers	21,155	24.137	26.416	No	No	No	High school diploma or equivalent No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	21,133	26,314	27.104	No	No	No	No formal educational credential	No No	No	No
51-6031	Sewing Machine Operators	19,111	27,656	31,992	No	No	No	No formal educational credential	No.	No	No
51-6041	Shoe and Leather Workers and Repairers	13,111	27,030	31,332	140	140	NO	No formal educational credential	140	140	110
51-6042	Shoe Machine Operators and Tenders										
51-6051	Sewers, Hand	20,259	27,380	27,913	No	No	No	No formal educational credential	No	No	No
51-6052	Tailors, Dressmakers, and Custom Sewers	26,277	32,507	34,170	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	20,277	32,307	54,270	110	110		140 Torrital Cadeactorial Creacitical	103	103	163
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	25.496	30.485	33,453	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	,	,						1 1		
	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and										
51-6064	Tenders	21,380	30,862	35,079	No	No	No	High school diploma or equivalent	No	No	No
	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and							,			
51-6091	Glass Fibers	31,046	54,089	76,930	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers										
51-6093	Upholsterers	25,781	34,932	39,407	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	25,138	31,395	35,015	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	27,858	38,424	43,937	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	28,262	42,053	49,431	No	No	No	High school diploma or equivalent	No	No	Yes
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	24,036	31,854	35,024	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	23,953	31,634	35,410	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	25,303	29,962	30,283	No	No	No	High school diploma or equivalent	No	No	No
51-8011	Nuclear Power Reactor Operators							1			
51-8012	Power Distributors and Dispatchers	49,311	81,552	95,297	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	44,607	70,379	89,104	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	44,322	57,884	62,588	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	29,588	41,228	46,791	No	No	No	Postsecondary nondegree award	Yes	No	No
51-8091 51-8092	Chemical Plant and System Operators	38,442	56,947	61,651	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-8092 51-8093	Gas Plant Operators Potrology Rump System Operators Refinent Operators and Causers	31,763	47,887	57,902	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
21-9032	Petroleum Pump System Operators, Refinery Operators, and Gaugers	44,543 37,064	57,810	72,842	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
	Plant and System Operators All Other		53,207	59,648 52,004	Yes No	Yes No	Yes No	Postsecondary nondegree award	Yes No	Yes	Yes Yes
51-8099	Plant and System Operators, All Other				NO	140	NO	High school diploma or equivalent	INO	res	res
	Chemical Equipment Operators and Tenders	27,426	42,880	,				1			
51-8099 51-9011	Chemical Equipment Operators and Tenders Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,	27,426			No	No	No	High school diploma or equivalent	No	No	No
51-8099 51-9011 51-9012	Chemical Equipment Operators and Tenders Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	27,426 26,002	39,287	45,618	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
51-8099 51-9011 51-9012 51-9021	Chemical Equipment Operators and Tenders Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	27,426 26,002 25,901	39,287 38,148	45,618 43,192	No	No	No	High school diploma or equivalent	No	No	No
51-8099 51-9011 51-9012 51-9021 51-9022	Chemical Equipment Operators and Tenders Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders Grinding and Polishing Workers, Hand	27,426 26,002 25,901 26,167	39,287 38,148 32,681	45,618 43,192 35,539	No No	No No	No No	High school diploma or equivalent No formal educational credential	No Yes	No Yes	No Yes
51-8099 51-9011 51-9012 51-9021 51-9022 51-9023	Chemical Equipment Operators and Tenders Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders	27,426 26,002 25,901 26,167 25,836	39,287 38,148 32,681 36,210	45,618 43,192 35,539 41,180	No No No	No No No	No No No	High school diploma or equivalent No formal educational credential High school diploma or equivalent	No Yes No	No Yes No	No Yes No
51-8099 51-9011 51-9012 51-9021 51-9022 51-9023 51-9031	Chemical Equipment Operators and Tenders Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand	27,426 26,002 25,901 26,167 25,836 20,167	39,287 38,148 32,681 36,210 32,764	45,618 43,192 35,539 41,180 36,807	No No No	No No No	No No No	High school diploma or equivalent No formal educational credential High school diploma or equivalent No formal educational credential	No Yes No No	No Yes No Yes	No Yes No Yes
51-8099 51-9011 51-9012 51-9021 51-9022 51-9023	Chemical Equipment Operators and Tenders Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Slicing Machine Setters, Operators, and Tenders	27,426 26,002 25,901 26,167 25,836	39,287 38,148 32,681 36,210	45,618 43,192 35,539 41,180	No No No	No No No	No No No	High school diploma or equivalent No formal educational credential High school diploma or equivalent	No Yes No	No Yes No	No Yes No
51-8099 51-9011 51-9012 51-9021 51-9022 51-9023 51-9031 51-9032	Chemical Equipment Operators and Tenders Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and	27,426 26,002 25,901 26,167 25,836 20,167 26,305	39,287 38,148 32,681 36,210 32,764 35,649	45,618 43,192 35,539 41,180 36,807 40,813	No No No No No	No No No No	No No No No	High school diploma or equivalent No formal educational credential High school diploma or equivalent No formal educational credential High school diploma or equivalent	No Yes No No No	No Yes No Yes No	No Yes No Yes
51-8099 51-9011 51-9012 51-9021 51-9022 51-9023 51-9031	Chemical Equipment Operators and Tenders Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	27,426 26,002 25,901 26,167 25,836 20,167 26,305 25,469	39,287 38,148 32,681 36,210 32,764 35,649	45,618 43,192 35,539 41,180 36,807 40,813	No No No No No	No No No No No	No No No No No	High school diploma or equivalent No formal educational credential High school diploma or equivalent No formal educational credential High school diploma or equivalent High school diploma or equivalent	No Yes No No No No	No Yes No Yes No	No Yes No Yes No
51-8099 51-9011 51-9012 51-9021 51-9022 51-9023 51-9031 51-9032 51-9041 51-9051	Chemical Equipment Operators and Tenders Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Sliding Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	27,426 26,002 25,901 26,167 25,836 20,167 26,305 25,469 28,179	39,287 38,148 32,681 36,210 32,764 35,649 35,116 36,090	45,618 43,192 35,539 41,180 36,807 40,813 41,511 40,509	No No No No No	No No No No No No	No No No No No No No No No	High school diploma or equivalent No formal educational credential High school diploma or equivalent No formal educational credential High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent	No Yes No No No No No No	No Yes No Yes No No	No Yes No Yes No No
51-8099 51-9011 51-9012 51-9021 51-9022 51-9023 51-9031 51-9032 51-9041	Chemical Equipment Operators and Tenders Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	27,426 26,002 25,901 26,167 25,836 20,167 26,305 25,469	39,287 38,148 32,681 36,210 32,764 35,649	45,618 43,192 35,539 41,180 36,807 40,813	No No No No No	No No No No No	No No No No No	High school diploma or equivalent No formal educational credential High school diploma or equivalent No formal educational credential High school diploma or equivalent High school diploma or equivalent	No Yes No No No No	No Yes No Yes No	No Yes No Yes No

Wages - Workforce Region 6

Wages - Workforce Re May 2022	egion 6	Annual \	Vages (\$) by Occupa	tion	Wage Meet	s or Exceeds All Oc	cupation Metric		Wage Meets	or Exceeds Education	nal Level Metric
Hay 2022		Representative	Average Annual	High-Level Wage	Representative	Average Annual			Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-9082	Medical Appliance Technicians	26,084	37,036	45,838	No	No	No	Postsecondary nondegree award	No	No	No
51-9083	Ophthalmic Laboratory Technicians	26,140	31,597	33,150	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	21,934	31,476	28,562	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	23,172	33,003	39,021	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	30,215	40,266	44,303	No	No	No	High school diploma or equivalent	Yes	No	No
51-9141	Semiconductor Processing Technicians										
51-9151	Photographic Process Workers and Processing Machine Operators							<u> </u>			
51-9161	Computer Numerically Controlled Tool Operators	29,886	45,198	50,313	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9162	Computer Numerically Controlled Tool Programmers	33,793	55,219	64,426	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	21,380	30,862	35,079	No	No	No	High school diploma or equivalent	No	No	No
51-9192 51-9193	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders Cooling and Freezing Equipment Operators and Tenders	23,944	33,132	43,431 44,782	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
51-9194	Etchers and Engravers	25,368 26.856	42,044 32,029	35.300	No No	No	No No	High school diploma or equivalent High school diploma or equivalent	No No	No No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	26,718	35,383	39,324	No No	No	No	High school diploma or equivalent	No No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	26,810	40,868	48.145	No	No	No	High school diploma or equivalent	No.	No	No
51-9197	Tire Builders	26,682	34,528	37,312	No	No	No	High school diploma or equivalent	No.	No	No
51-9198	HelpersProduction Workers	26,374	42,228	50,112	No	No	No	High school diploma or equivalent	No	No	Yes
51-9199	Production Workers, All Other	33,910	47,055	60,683	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1041	Aircraft Cargo Handling Supervisors	33,310	47,033	00,003	163	103	163	Thigh school diploma of equivalent	1.03	163	103
	First-Line Supervisors of Transportation and Material Moving Workers, Except										
53-1047	Aircraft Cargo Handling Supervisors	34.569	56,482	66,224	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	100,084	248,735	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	48,586	120,922	151,867	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	73,466	116,098	144,480	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	73,466	116,098	144,480	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants			,							
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	23,659	28,170	29,907	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	20,800	37,309	47,060	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	31,891	48,349	57,952	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	21,771	32,005	37,013	No	No	No	High school diploma or equivalent	No	No	No
53-3051	Bus Drivers, School	20,800	36,558	38,540	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	26,847	38,369	48,191	No	No	No	High school diploma or equivalent	No	No	No
53-3053	Shuttle Drivers and Chauffeurs	21,833	29,200	33,197	No	No	No	High school diploma or equivalent	No	No	No
53-3054	Taxi Drivers	19,175	29,116	29,346	No	No	No	No formal educational credential	No	No	No
53-3099	Motor Vehicle Operators, All Other	20,535	28,887	32,222	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	51,994	63,158	68,229	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers										
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	35,952	54,365	56,864	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	58,224	65,721	68,275	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	26,847	38,369	48,191	No	No	No	High school diploma or equivalent	No	No	No
53-4099	Rail Transportation Workers, All Other										
53-5011	Sailors and Marine Oilers	26,755	41,842	46,160	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	34,354	79,236	116,300	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators										
53-5031	Ship Engineers	66,677	90,308	100,506	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	22,124	29,438	33,426	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	19,543	25,019	26,562	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	27,886	32,218	36,590	No	No	No	No formal educational credential	Yes	Yes	Yes
53-6032	Aircraft Service Attendants	27,380	33,968	34,326	No	No	No	High school diploma or equivalent	No	No	No
53-6041 53-6051	Traffic Technicians	28,152	43,688	50,102	No	No	No	Associate's degree	No	No	No
53-6061	Transportation Inspectors Passenger Attendants	36,935 19,552	78,566 29,943	99,119 34,997	Yes No	Yes No	Yes No	High school diploma or equivalent High school diploma or equivalent	Yes No	Yes No	Yes No
53-6099	Transportation Workers, All Other	19,111	29,943	29,925	No	No	No No	High school diploma or equivalent	No No	No	No
53-7011	Conveyor Operators and Tenders		31.818	32.902	No No	No No	No No	0			
53-7011	Crane and Tower Operators	27,141 33.674	51,818 58.169	32,902 70.728			No Yes	No formal educational credential	Yes	Yes Yes	Yes Yes
53-7021	Dredge Operators	33,674	43.486	45,287	Yes	Yes No		High school diploma or equivalent	Yes		No Yes
53-7031	Hoist and Winch Operators	29,640	43,486	45,287 47,593	Yes No	Yes	No No	High school diploma or equivalent No formal educational credential	Yes Yes	Yes Yes	Yes
53-7041	Industrial Truck and Tractor Operators	27,865	39,423	47,593	No No	No Yes	No No	No formal educational credential No formal educational credential	Yes	Yes	Yes
53-7051	Cleaners of Vehicles and Equipment	24,960	31,121	32,968	No	No	No.	No formal educational credential	Yes	Yes	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	24,425	33,696	37,640	No	No.	No.	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	26,682	34,528	37,040	No	No	No.	No formal educational credential	Yes	Yes	Yes
53-7064	Packers and Packagers, Hand	21,235	26,461	28.937	No	No.	No.	No formal educational credential	No.	No	No.
53-7065	Stockers and Order Fillers	24,571	31,069	31,964	No	No	No	High school diploma or equivalent	No	No	No
	Gas Compressor and Gas Pumping Station Operators	2-1,57.1	32,003	32,304					1 1		
53-7071		30,155	42,411	47,612	No	No	No	High school diploma or equivalent	Yes	No	No
53-7071 53-7072	Pump Operators, Except Wellhead Pumpers										
53-7072	Pump Operators, Except Wellhead Pumpers Wellhead Pumpers	30,133	72,722	,,			1				
	Pump Operators, Except Wellhead Pumpers Wellhead Pumpers Refuse and Recyclable Material Collectors				No	No	No	No formal educational credential	No	No	No
53-7072 53-7073	Wellhead Pumpers	20,800	26,311 55,522	31,341 56,377		No Yes	No Yes	No formal educational credential No formal educational credential	No Yes	No Yes	No Yes

^{*} indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

Summary - Workforce Region 6

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
-	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	30,228	45,811	52,103	743
No formal educational credential	22,561	29,311	32,017	77
High school diploma or equivalent	29,612	42,779	48,451	208
Some college, no degree	24,836	38,436	42,398	47
Postsecondary nondegree award	29,088	41,682	47,308	82
Associate's degree	32,223	47,668	53,181	63
Bachelor's degree	39,744	70,822	83,127	176
Master's degree	44,488	68,276	78,361	35
Doctoral or professional degree	56,932	110,526	124,786	55

	Representative	Starting Wage	Average Ar	nual Wage	High-Level Wa	age Threshold
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric
All Occupations	430	313	403	340	401	342
No formal educational credential	48.05%	51.95%	38.96%	61.04%	42.86%	57.14%
High school diploma or equivalent	75.00%	25.00%	77.40%	22.60%	76.92%	23.08%
Some college, no degree	25.53%	74.47%	21.28%	78.72%	21.28%	78.72%
Postsecondary nondegree award	45.12%	54.88%	36.59%	63.41%	40.24%	59.76%
Associate's degree	46.03%	53.97%	33.33%	66.67%	25.40%	74.60%
Bachelor's degree	56.25%	43.75%	55.68%	44.32%	56.82%	43.18%
Master's degree	71.43%	28.57%	57.14%	42.86%	51.43%	48.57%
Doctoral or professional degree	63.64%	36.36%	60.00%	40.00%	56.36%	43.64%

Wages - Workforce R	tegion 7	A	((¢) b 0				T		T 1			
May 2022			ages (\$) by Occupat Average Annual	High-Level Wage	Representative	s or Exceeds All C Average Annu	Occupation Metric ual High-Level Wage			age Meets o	or Exceeds Educa Average Annu	ntional Level Metric
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		g Wage	Wage	Threshold
11-1011	Chief Executives	28,737	183,709	224,212	No	Yes	Yes	Bachelor's degree	No		Yes	Yes
11-1021 11-1031	General and Operations Managers Legislators	37,939 20.800	98,676 92.030	122,428 120.578	Yes No	Yes Yes	Yes Yes	Bachelor's degree Bachelor's degree	No No		Yes Yes	Yes Yes
11-1031	Advertising and Promotions Managers	48.806	105.348	120,578	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	Yes		Yes	Yes
11-2021	Marketing Managers	62,735	138,756	172,723	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
11-2022	Sales Managers	46.255	116.194	149,230	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
11-2032	Public Relations Managers	55,320	104,834	121,776	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
11-2033	Fundraising Managers	59,822	113,645	138,370	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
11-3012	Administrative Services Managers	62,837	97,374	105,061	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
11-3013	Facilities Managers	58,773	90,047	101,162	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
11-3021	Computer and Information Systems Managers	73,167	192,462	162,853	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
11-3031 11-3051	Financial Managers	47,819	116,276	157,661	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
11-3051	Industrial Production Managers Purchasing Managers	40,204 69,020	101,444 123.724	130,967 150,204	Yes Yes	Yes Yes	Yes Yes	Bachelor's degree Bachelor's degree	No Yes		Yes	Yes Yes
11-3071	Transportation, Storage, and Distribution Managers	59,745	94.726	98,530	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
11-3111	Compensation and Benefits Managers	67,182	112,001	140,272	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
11-3121	Human Resources Managers	49,450	91,542	103,710	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
11-3131	Training and Development Managers	57,360	105.909	125,920	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	22,207	81,607	114,013	No	Yes	Yes	Bachelor's degree	No		Yes	Yes
11-9021	Construction Managers	43,264	96,824	105,840	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	35,492	62,791	74,775	Yes	Yes	Yes	Bachelor's degree	No		No	No
11-9032	Education Administrators, Kindergarten through Secondary	60,852	84,336	96,101	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
11-9033	Education Administrators, Postsecondary	55,862	93,138	95,692	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
11-9039	Education Administrators, All Other	32,534	66,217	86,780	Yes	Yes	Yes	Master's degree	No		No	Yes
11-9041	Architectural and Engineering Managers	104,021	145,486	170,279	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
11-9051	Food Service Managers	34,923	61,116	72,706	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
11-9071	Gambling Managers	36.917	76.223	90.446			v		1 1		.,	
11-9072 11-9081	Entertainment and Recreation Managers, Except Gambling Lodging Managers	36,917 44,794	76,223	78,123	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	No Yes		Yes No	Yes No
11-9081	Medical and Health Services Managers	58,818	115,149	130,487	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
11-9121	Natural Sciences Managers	50,818	73.130	85.176	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	Yes		No.	No.
11-9131	Postmasters and Mail Superintendents	69.865	84.648	92.614	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	26.033	74.445	88.587	No	Yes	Yes	Bachelor's degree	No		Yes	Yes
11-9151	Social and Community Service Managers	40.896	66,134	76,368	Yes	Yes	Yes	Bachelor's degree	No		No	No
11-9161	Emergency Management Directors	46,031	82,682	98,816	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
11-9171	Funeral Home Managers	43,018	74,339	75,322	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
11-9179	Personal Service Managers, All Other	44,056	72,006	86,679	Yes	Yes	Yes	Bachelor's degree	Yes		No	Yes
11-9199	Managers, All Other	53,560	100,744	120,023	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes											
13-1020	Buyers and Purchasing Agents	31,442	57,255	69,263	No	Yes	Yes	Bachelor's degree	No		No	No
13-1031	Claims Adjusters, Examiners, and Investigators	42,640	75,629	89,939	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
13-1032 13-1041	Insurance Appraisers, Auto Damage Compliance Officers	45,443	63,204	72,254	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
13-1041	Cost Estimators	31,274	52,046 63,502	62,028 74.964	No	Yes	Yes Yes	Bachelor's degree	No No		No No	No
13-1031	Human Resources Specialists	32,760 34,665	56,929	62,093	Yes Yes	Yes	Yes	Bachelor's degree Bachelor's degree	No No		No No	No No
13-1074	Farm Labor Contractors	22,207	81,607	114,013	No	Yes	Yes	No formal educational credential	No		Yes	Yes
13-1075	Labor Relations Specialists	37.661	71.675	91,750	Yes	Yes	Yes	Bachelor's degree	No		No	Yes
13-1081	Logisticians	32,614	68,601	92,370	Yes	Yes	Yes	Bachelor's degree	No		No	Yes
13-1082	Project Management Specialists	31,774	85,013	109.824	No	Yes	Yes	Bachelor's degree	No		Yes	Yes
13-1111	Management Analysts	38,002	69,801	78,686	Yes	Yes	Yes	Bachelor's degree	No		No	No
13-1121	Meeting, Convention, and Event Planners	29,429	50,837	61,164	No	Yes	Yes	Bachelor's degree	No		No	No
13-1131	Fundraisers	30,467	55,550	70,692	No	Yes	Yes	Bachelor's degree	No		No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	36,549	64,462	73,907	Yes	Yes	Yes	Bachelor's degree	No		No	No
13-1151	Training and Development Specialists	26,173	55,503	67,427	No	Yes	Yes	Bachelor's degree	No		No	No
13-1161	Market Research Analysts and Marketing Specialists	31,360	65,899	83,082	No	Yes	Yes	Bachelor's degree	No		No	No
13-1199	Business Operations Specialists, All Other	30,704	68,994	81,786	No	Yes	Yes	Bachelor's degree	No No		No No	No
13-2011 13-2020	Accountants and Auditors Property Appraisers and Assessors	35,402 37,565	69,539 55,778	79,688 58,376	Yes	Yes	Yes Yes	Bachelor's degree	No No		No No	No No
13-2020	Property Appraisers and Assessors Budget Analysts	37,565 43,211	55,778 72,309	58,376 87.487	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	No Yes		No No	No Yes
13-2031	Credit Analysts	43,211 46,132	72,309 78,318	92,439	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	Yes		Yes	Yes
13-2051	Financial and Investment Analysts	47,593	83.803	93,340	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
13-2052	Personal Financial Advisors	34,179	110,953	130,606	Yes	Yes	Yes	Bachelor's degree	No		Yes	Yes
13-2053	Insurance Underwriters	42,935	66,658	78,501	Yes	Yes	Yes	Bachelor's degree	Yes		No	No
13-2054	Financial Risk Specialists	49,982	101,039	117,476	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
13-2061	Financial Examiners	41,042	72,153	88,452	Yes	Yes	Yes	Bachelor's degree	No		No	Yes
13-2071	Credit Counselors	31,331	45,168	45,462	No	No	No	Bachelor's degree	No		No	No
13-2072	Loan Officers	35,414	61,514	79,435	Yes	Yes	Yes	Bachelor's degree	No		No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	28,933	33,910	33,197	No	No	No	Bachelor's degree	No		No	No
13-2082	Tax Preparers	21,592	43,009	58,306	No	No	Yes	Postsecondary nondegree award	No		No	Yes
13-2099	Financial Specialists, All Other	31,237	50,543	61,797	No	Yes	Yes	Bachelor's degree	No		No	No
	Computer Systems Analysts	43,264 58.536	83,270 102,785	107,796 123.164	Yes Yes	Yes	Yes Yes	Bachelor's degree	Yes		Yes	Yes Yes
15-1211	Information Cocurity Analysts		102,785		162			Bachelor's degree				
15-1211 15-1212	Information Security Analysts Computer and Information Research Scientists	,	121 207	162.004	Voc	Voc	Voc					
15-1211 15-1212 15-1221	Computer and Information Research Scientists	72,750	121,207	162,984	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
15-1211 15-1212	Computer and Information Research Scientists Computer Network Support Specialists	72,750 50,697	80,549	87,449	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
15-1211 15-1212 15-1221 15-1231	Computer and Information Research Scientists	72,750 50,697 32,343	80,549 64,511					Associate's degree Postsecondary nondegree award				
15-1211 15-1212 15-1221 15-1231 15-1232	Computer and Information Research Scientists Computer Network Support Specialists Computer User Support Specialists	72,750 50,697	80,549	87,449 78,755	Yes Yes	Yes Yes	Yes Yes	Associate's degree	Yes Yes		Yes Yes	Yes Yes

Wages - Workforce Region 7

May 2022			l Wages (\$) by Occup			s or Exceeds All Occu					or Exceeds Education	
		Representative	Average Annual	High-Level Wage	Representative	Average Annual	High-Level Wage			Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	_	Starting Wage	Wage	Threshold
15-1244	Network and Computer Systems Administrators								-	ļ		
15-1244	Computer Programmers	49,795 44.644	75,628 85,741	97,548 99.689	Yes	Yes Yes	Yes Yes	Bachelor's degree Bachelor's degree	-	Yes	Yes Yes	Yes
15-1251	Software Developers	74,644	85,741 109.636	126,535	Yes Yes	Yes	Yes	Bachelor's degree Bachelor's degree	-	Yes	Yes	Yes Yes
15-1252	Software Developers Software Quality Assurance Analysts and Testers	74,795 44.139	82.443	99,018	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
15-1253	Web Developers	44,139	74.532	99,018 87.689					-			
15-1255	Web and Digital Interface Designers	43,900	74,532 78,410	87,689 89,279	Yes Yes	Yes	Yes Yes	Associate's degree Associate's degree	-	Yes Yes	Yes Yes	Yes Yes
15-1299	Computer Occupations, All Other	40,271	78,410 88,874	113.235	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
15-2011	Actuaries	65,225	115.161	124,138	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
15-2021	Mathematicians	36,752	87,331	120,095	Yes	Yes	Yes	Master's degree	-	No	Yes	Yes
15-2021	Operations Research Analysts	33,010	53.332	59,363	Yes	Yes	Yes	Bachelor's degree	-	No	No.	No
15-2041	Statisticians	37,413	77,013	93.285	Yes	Yes	Yes	Master's degree	-	No	Yes	Yes
15-2051	Data Scientists	48.604	92,596	117.431		Yes	Yes		-			
15-2099	Mathematical Science Occupations, All Other	40,004	52,350	117,431	Yes	Tes	res	Bachelor's degree	-	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	35,355	82.645	95.159	Yes	Yes	Yes	Bachelor's degree	-	No	Yes	Yes
17-1012	Landscape Architects	35,135	61,522	70,655	Yes	Yes	Yes	Bachelor's degree	-	No	No	No
17-1012	Cartographers and Photogrammetrists	40,656	63,240	74,376	Yes	Yes	Yes	Bachelor's degree	-	No	No	No
17-1021	Surveyors	34.168	64.301	78,169	Yes	Yes	Yes	Bachelor's degree	-	No	No	No
17-2011	Aerospace Engineers	71,059	106,451	123,890	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
17-2021	Agricultural Engineers	71,035	100,431	123,090	163	res	res	Bachelor's degree	-	162	res	162
17-2021	Bioengineers and Biomedical Engineers	54,640	90,776	113,709	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
17-2031	Chemical Engineers	61.908	100.268	123,338	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
17-2041	Civil Engineers	59,397	114.115	123,338	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
17-2051	Computer Hardware Engineers	61.476	109.942	128,096					-			
17-2001	Electrical Engineers	56,827	92,476	127,813	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	-	Yes Yes	Yes	Yes Yes
17-2071	Electrical Engineers Electronics Engineers, Except Computer	71,013	97,723	117,504	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	-	Yes	Yes	Yes
17-2072	Environmental Engineers	32,727	78.198	97,511	Yes	Yes	Yes	Bachelor's degree	-	No.	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	46,004	78,327	97,511	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
17-2111	Industrial Engineers	48,156	90,775	102,135	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
17-2112	Marine Engineers and Naval Architects	47,345	71,675	84,290		Yes	Yes	Bachelor's degree	-	Yes	No	No
17-2121	Materials Engineers Materials Engineers	47,345 52.224		104.558	Yes				-			
17-2141	Mechanical Engineers Mechanical Engineers		85,346		Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
17-2141	Mining and Geological Engineers, Including Mining Safety Engineers	53,529	87,074	100,966	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
17-2161	Nuclear Engineers Nuclear Engineers	74,514	107,397	116,402					-			
17-2161	-	74,514	107,397	116,402	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
	Petroleum Engineers	44.990	50.540	70.057			.,		-			No
17-2199 17-3011	Engineers, All Other		69,513	78,957	Yes	Yes	Yes	Bachelor's degree	-	Yes	No	
	Architectural and Civil Drafters	38,330	54,681	67,487	Yes	Yes	Yes	Associate's degree	-	Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters Mechanical Drafters	42,503	53,832	63,286	Yes	Yes	Yes	Associate's degree	-	Yes	Yes	Yes
17-3013		32,488	52,536	63,736	Yes	Yes	Yes	Associate's degree	-	No	No	Yes
17-3019	Drafters, All Other	33,591	50,956	57,939	Yes	Yes	Yes	Associate's degree		No	No	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	33,389	71,794	98,164	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	31,108	39,624	37,496	No	No	No	Associate's degree		No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	35,291	56,349	68,909	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	42,237	65,399	73,871	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	28,841	42,457	47,988	No	No	No	Associate's degree		No	No	No
17-3026	Industrial Engineering Technologists and Technicians	36,384	55,339	61,807	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	36,026	54,980	61,394	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3028	Calibration Technologists and Technicians	35,925	58,352	74,073	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3029	Engineering Technologists and Technicians, Except Drafters, All Other	36,858	51,327	66,629	Yes	Yes	Yes	Associate's degree		Yes	No	Yes
17-3031	Surveying and Mapping Technicians	33,051	41,937	46,444	Yes	No	No	Associate's degree		No	No	No
19-1011	Animal Scientists											
19-1012	Food Scientists and Technologists	36,458	72,391	99,725	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
19-1013	Soil and Plant Scientists	36,614	76,306	95,168	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
19-1021	Biochemists and Biophysicists	36,843	80,688	101,692	Yes	Yes	Yes	Doctoral or professional degree	-	No	No	No
19-1022	Microbiologists	33,453	55,017	67,393	Yes	Yes	Yes	Master's degree	-	No	No	No
19-1023	Zoologists and Wildlife Biologists	31,037	49,275	53,143	No	No	No	Master's degree	-	No	No	No
19-1029	Biological Scientists, All Other	38,222	57,213	66,906	Yes	Yes	Yes	Bachelor's degree	-	No	No	No
19-1031	Conservation Scientists	28,473	54,852	68,937	No	Yes	Yes	Bachelor's degree	-	No	No	No
19-1032	Foresters	34,344	55,504	65,363	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1041	Epidemiologists	53,180	80,036	94,185	Yes	Yes	Yes	Doctoral or professional degree	-	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	50,680	91,098	114,307	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-1099	Life Scientists, All Other	51,829	79,595	85,062	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	No
19-2011	Astronomers	71,574	146,400	205,368	Yes	Yes	Yes	Doctoral or professional degree	-	Yes	Yes	Yes
19-2012	Physicists	71,574	146,400	205,368	Yes	Yes	Yes	Doctoral or professional degree	-	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	57,516	77,132	83,095	Yes	Yes	Yes	Bachelor's degree	_	Yes	Yes	No
19-2031	Chemists	36,485	68,257	82,719	Yes	Yes	Yes	Bachelor's degree	-	No	No	No
19-2032	Materials Scientists	63,277	106,717	124,845	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	31,990	52,382	53,786	No	Yes	No	Bachelor's degree		No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	44,322	84,703	102,050	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-2043	Hydrologists	39,820	62,671	74,744	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2099	Physical Scientists, All Other	41,584	99,229	122,943	Yes	Yes	Yes	Bachelor's degree	_	No	Yes	Yes
19-3011	Economists	55,660	88,397	107,765	Yes	Yes	Yes	Master's degree	_	Yes	Yes	Yes
19-3022	Survey Researchers	48,604	92,596	117,431	Yes	Yes	Yes	Master's degree	_	No	Yes	Yes
19-3032	Industrial-Organizational Psychologists	68,386	117,688	142,412	Yes	Yes	Yes	Doctoral or professional degree	_	Yes	No	Yes
19-3033	Clinical and Counseling Psychologists	34,335	86,587	113,912	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3034	School Psychologists	41,980	68,257	75,120	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3039	Psychologists, All Other	45,250	92,403	110,843	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3041	Sociologists	26,966	53,933	46,720	No	Yes	No	Master's degree		No	No	No
19-3051	Urban and Regional Planners	43,358	69,975	81,083	Yes	Yes	Yes	Master's degree		No	No	No

Wages - Workforce Re May 2022	egion 7	Annual M	/ages (\$) by Occupat	ion	Wage Mee	te or Evenade All O	Occupation Metric		Wage M	ate or Evenade Educ	ational Level Metric
Way 2022			Average Annual	High-Level Wage	Representative	Average Annu			Representati		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wag	e Wage	Threshold
19-3091 19-3092	Anthropologists and Archeologists Geographers	36,807	57,948	68,551	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Historians	33,076	66,070	89,931	Yes	Yes	Yes	Master's degree	No	No	Yes
19-3094	Political Scientists	33,070	00,070	03,331	103	103	103	musici s'ucgree	1 1.0	140	103
19-3099	Social Scientists and Related Workers, All Other	51,939	79,016	94,360	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4012	Agricultural Technicians	27,610	36,724	42,632	No	No	No	Associate's degree	No	No	No
19-4013	Food Science Technicians	29,934	48,494	66,805	No	No	Yes	Associate's degree	No	No	Yes
19-4021 19-4031	Biological Technicians	27,040 29.466	33,886 47.161	37,461 57,121	No No	No	No	Bachelor's degree	No No	No	No
19-4031	Chemical Technicians Environmental Science and Protection Technicians, Including Health	29,466	38,608	44,681	No No	No No	Yes No	Associate's degree Associate's degree	No No	No No	No No
19-4043	Geological Technicians, Except Hydrologic Technicians	29,089	37,404	40,868	No	No	No	Associate's degree	No	No	No
19-4044	Hydrologic Technicians	33,178	51,857	62,018	Yes	Yes	Yes	Associate's degree	No	No	Yes
19-4051	Nuclear Technicians							•			
19-4061	Social Science Research Assistants	28,271	45,315	52,040	No	No	No	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	31,257	43,349	51,581	No	No	No	Associate's degree	No	No	No
19-4092 19-4099	Forensic Science Technicians Life, Physical, and Social Science Technicians, All Other	34,473 24,844	56,037 45,480	68,790 54,787	Yes No	Yes No	Yes No	Bachelor's degree	No No	No No	No No
19-5011	Occupational Health and Safety Specialists	33.384	62,974	84.329	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	No	No	No No
19-5012	Occupational Health and Safety Technicians	37,064	57,277	63,856	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	40,224	52,804	61,432	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	31,358	41,695	44,662	No	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	22,602	40,629	43,330	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors Counselors, All Other	39,573 27.959	52,327 39.196	60,401 42,191	Yes	Yes No	Yes No	Bachelor's degree	No No	No	No No
21-1019	Child, Family, and School Social Workers	30.089	53,196	54,995	No No	Yes	No No	Master's degree Bachelor's degree	No No	No No	No No
21-1022	Healthcare Social Workers	31,555	55,058	65,210	No	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	28,599	40,281	45,518	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	39,603	62,078	81,994	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	38,002	52,857	62,400	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092 21-1093	Probation Officers and Correctional Treatment Specialists Social and Human Service Assistants	29,869 27,543	40,041 38.932	46,814	No No	No No	No No	Bachelor's degree	No	No No	No
21-1093	Community Health Workers	27,543	38,932 43.845	43,322 55,256	No No	No No	No No	Some college, no degree Bachelor's degree	Yes No	No No	No No
21-1099	Community and Social Service Specialists, All Other	20,800	36.115	40.325	No	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	31,200	51,721	60,372	No	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	27,343	49,560	59,584	No	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	26,921	44,506	56,074	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	52,000	100,227	113,298	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012 23-1021	Judicial Law Clerks Administrative Law Judges, Adjudicators, and Hearing Officers	34,335 39,177	52,049 86,109	58,362 106,929	Yes Yes	Yes	Yes Yes	Doctoral or professional degree	No No	No No	No No
23-1021	Arbitrators, Mediators, and Conciliators	35,177	80,109	100,525	ies	res	ies	Doctoral or professional degree	NO	INU	NO
23-1023	Judges, Magistrate Judges, and Magistrates	39,177	86,109	106,929	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-2011	Paralegals and Legal Assistants	29,494	46,790	50,929	No	No	No	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	29,135	49,183	57,424	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
23-2099	Legal Support Workers, All Other	27,040	58,619	62,790	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011 25-1021	Business Teachers, Postsecondary	43,551 44,322	78,896 83,702	90,115 103,722	Yes	Yes	Yes Yes	Doctoral or professional degree	No No	No No	No No
25-1021	Computer Science Teachers, Postsecondary Mathematical Science Teachers, Postsecondary	43,863	69,883	82,783	Yes Yes	Yes Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	35.658	94,617	118.634	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	43,238	82,994	114,178	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary										
25-1042	Biological Science Teachers, Postsecondary	48,374	82,020	91,962	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	42.040	50.445	57.277			V		+ -		
25-1051 25-1052	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary Chemistry Teachers, Postsecondary	43,018 36,696	59,115 75.065	57,277 90.161	Yes Yes	Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No
25-1052	Environmental Science Teachers, Postsecondary	40,923	66.520	82,930	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	44.084	59.253	58,554	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	43,018	78,382	92,090	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	44,681	61,605	70,728	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	43,229	54,742	50,258	Yes	Yes	No	Doctoral or professional degree	No	No	No
25-1064 25-1065	Geography Teachers, Postsecondary Political Science Teachers, Postsecondary	43,018 41.741	59,115 58,775	57,277	Yes	Yes	Yes No	Doctoral or professional degree	No No	No No	No No
25-1065	Psychology Teachers, Postsecondary Psychology Teachers, Postsecondary	41,741	58,775 75.276	54,273 85.622	Yes Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No
25-1067	Sociology Teachers, Postsecondary	44,028	92,715	110.733	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	42,623	59,979	70,572	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	43,744	86,293	93,579	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	44,332	73,650	87,074	Yes	Yes	Yes	Master's degree	No	No	Yes
25-1081	Education Teachers, Postsecondary	34,859	68,661	78,823	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082 25-1111	Library Science Teachers, Postsecondary Criminal Justice and Law Enforcement Teachers, Postsecondary	44,543 39.306	68,229 53,538	75,185 55.982	Yes	Yes	Yes	Doctoral or professional degree	No No	No	No No
25-1111	Law Teachers, Postsecondary	39,306 41,695	53,538 129,889	55,982 192,064	Yes Yes	Yes	No Yes	Doctoral or professional degree Doctoral or professional degree	No No	No Yes	No Yes
25-1112	Social Work Teachers, Postsecondary	41,073	123,003	152,004	163	163	163	Sociolal of professional degree	140	163	163
25-1121	Art, Drama, and Music Teachers, Postsecondary	43,156	80,468	90,528	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	42,246	73,632	91,337	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	40,859	63,148	72,327	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
	Foreign Language and Literature Teachers, Best coonday,	37,771	62,450	72,511	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary										
25-1124 25-1125 25-1126	History Teachers, Postsecondary Philosophy and Religion Teachers, Postsecondary	38,644 41,888	51,167 61.991	45,030 72,658	Yes Yes	Yes Yes	No Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No

Wages - Workforce Re Way 2022	egion 7	Appual M	ages (\$) by Occupat	tion	Waga Mag	to ar Evenade All (Occupation Metric			Wage Mosts	or Evenode Educat	tional Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	40,473	69,056	72,842	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1194 25-1199	Career/Technical Education Teachers, Postsecondary	32,259	53,354	67,788 71,344	Yes	Yes	Yes	Master's degree		No	No	No
25-1199 25-2011	Postsecondary Teachers, All Other Preschool Teachers, Except Special Education	34,133 22,938	60,484 29.937	71,344 29.571	Yes No	Yes	Yes No	Doctoral or professional degree Associate's degree	-	No No	No No	No No
25-2011	Kindergarten Teachers, Except Special Education	40,076	48.698	48,849	Yes	No	No	Bachelor's degree	-	No	No	No
25-2021	Elementary School Teachers, Except Special Education	45,733	48,372	47,472	Yes	No	No	Bachelor's degree		Yes	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	44,665	50,045	58,797	Yes	Yes	Yes	Bachelor's degree	1	Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	43,799	60,530	68,597	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	46,487	50,410	58,978	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2032	Career/Technical Education Teachers, Secondary School	46,792	57,414	60,038	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2051	Special Education Teachers, Preschool	34,776	55,375	70,618	Yes	Yes	Yes	Bachelor's degree	T	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	45,530	49,682	61,256	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2057	Special Education Teachers, Middle School	43,257	58,536	72,199	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2058	Special Education Teachers, Secondary School	47,158	51,415	60,891	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2059	Special Education Teachers, All Other	26,682	54,558	73,999	No	Yes	Yes	Bachelor's degree		No	No	No
	Adult Basic Education, Adult Secondary Education, and English as a Second											
25-3011	Language Instructors	34,344	52,849	68,055	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-3021 25-3031	Self-Enrichment Teachers	22,738	37,649	45,486	No	No	No	Some college, no degree	-	No	No	No
25-3041	Substitute Teachers, Short-Term Tutors	20,800	23,195	20,800	No	No	No	Bachelor's degree	-	No	No	No
25-3041		24,849	34,605	43,969	No	No	No No	Bachelor's degree	-	No	No	No
25-3099 25-4011	Teachers and Instructors, All Other Archivists	20,535 26,985	39,416 43,211	47,777 51,599	No No	No No	No No	Bachelor's degree Master's degree	+	No No	No No	No No
25-4011	Curators	28,951	43,211 51,958	64,977	No No	Yes	Yes	Master's degree Master's degree	1 -	No No	No	No No
25-4012	Museum Technicians and Conservators	28,951	43,358	51.691	No No	No.	No.	Bachelor's degree	+	No	No	No
25-4022	Librarians and Media Collections Specialists	24,489	46,030	57,029	No	No	Yes	Master's degree	1 1	No	No	No
25-4031	Library Technicians	26.360	38.249	43,367	No	No	No	Associate's degree		No	No	No
25-9021	Farm and Home Management Educators	27.058	43,532	53,529	No	No	No	Master's degree	1	No	No	No
25-9031	Instructional Coordinators	35,006	52,752	60,938	Yes	Yes	Yes	Master's degree		No	No	No
25-9044	Teaching Assistants, Postsecondary	19,469	30,247	37,634	No	No	No	Bachelor's degree		No	No	No
25-9045	Teaching Assistants, Except Postsecondary	22,910	29,671	28,881	No	No	No	Some college, no degree	T	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	22,345	44,497	58,205	No	No	Yes	Bachelor's degree		No	No	No
27-1011	Art Directors	45,636	81,561	91,943	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
27-1012	Craft Artists	19,533	31,542	36,375	No	No	No	Some college, no degree		No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	25,258	43,413	43,744	No	No	No	Bachelor's degree		No	No	No
27-1014	Special Effects Artists and Animators	42,531	60,888	69,883	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
27-1019	Artists and Related Workers, All Other	24,320	46,812	54,438	No	No	No	Some college, no degree		No	Yes	Yes
27-1021	Commercial and Industrial Designers	20,939	54,190	68,928	No	Yes	Yes	Bachelor's degree		No	No	No
27-1022	Fashion Designers	34,390	62,101	73,025	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1023	Floral Designers	22,281	31,395	33,178	No	No	No	High school diploma or equivalent		No	No	No
27-1024	Graphic Designers	28,862	45,675	52,838	No	No	No	Bachelor's degree	1	No	No	No
27-1025 27-1026	Interior Designers	32,066	58,113	68,836	Yes	Yes	Yes	Bachelor's degree	-	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	26,464	34,596	39,151	No	No	No	Some college, no degree	-	No	No	No
27-1027	Set and Exhibit Designers Designers, All Other	33,527	42,384 56.258	43,881 69.304	Yes	No	No	Bachelor's degree	-	No	No	No
27-1029	Actors	26,755 27,674	31,560	29,484	No No	Yes	Yes No	Bachelor's degree Some college, no degree	-	No Yes	No No	No No
27-2011	Producers and Directors	34,565	74,450	89,022	Yes	Yes	Yes	Bachelor's degree	-	No	Yes	Yes
27-2012	Athletes and Sports Competitors	23.328	59.519	59.188	No.	Yes	Yes	Some college, no degree	-	No	Yes	Yes
27-2022	Coaches and Scouts	23,328	59,519	59,188	No	Yes	Yes	Bachelor's degree	-	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	19.497	42,558	42,779	No	No	No	Some college, no degree	1	No	Yes	No
27-2031	Dancers	27,674	31,560	29,484	No	No	No	High school diploma or equivalent		No	No	No
27-2032	Choreographers	,	,0	,	1				1 1			
27-2041	Music Directors and Composers	29,172	64,462	76,535	No	Yes	Yes	Bachelor's degree		No	No	No
27-2042	Musicians and Singers	27,674	31,560	29,484	No	No	No	Some college, no degree		Yes	No	No
27-2091	Disc Jockeys, Except Radio	20,397	55,771	55,228	No	Yes	No	Bachelor's degree	1 1	No	No	No
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	20,397	55,771	55,228	No	Yes	No	Some college, no degree		No	Yes	Yes
27-3011	Broadcast Announcers and Radio Disc Jockeys	20,397	55,771	55,228	No	Yes	No	Bachelor's degree		No	No	No
27-3023	News Analysts, Reporters, and Journalists	33,306	66,557	79,411	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3031	Public Relations Specialists	22,590	51,076	64,428	No	Yes	Yes	Bachelor's degree		No	No	No
27-3041	Editors	33,894	62,753	72,952	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3042	Technical Writers	46,169	70,058	78,759	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
27-3043	Writers and Authors	32,782	57,856	67,017	Yes	Yes	Yes	Bachelor's degree	ı I	No	No	No
27-3091	Interpreters and Translators	29,199	49,642	66,989	No	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	25,993	48,439	58,701	No	No	Yes	Postsecondary nondegree award	₽₽	No	Yes	Yes
27-3099 27-4011	Media and Communication Workers, All Other	19,432 23,622	43,394 45,976	53,703	No No	No No	No No	Associate's degree	1 1	No	No	No
27-4011 27-4012	Audio and Video Technicians Broadcast Technicians		,	55,559 77,840	No No			Associate's degree	\vdash	No	No Voc	No Vec
27-4012	Broadcast Technicians	25,046 24,844	58,913	77,840		Yes	Yes	Associate's degree	\vdash	No	Yes	Yes
27-4014	Sound Engineering Technicians Lighting Technicians	24,844	62,257 45,278	92,642 55,725	No No	Yes No	Yes No	Associate's degree	1 1	No No	Yes No	Yes No
27-4015	Photographers	27,555	45,278	48,099	No No	No No	No No	Associate's degree Some college, no degree	+	No	No No	Yes
27-4021	Camera Operators, Television, Video, and Film	25,248	54.255	48,099 59.923	No No	Yes	Yes	Bachelor's degree	1 1	No	No	No Yes
27-4032	Film and Video Editors	30,467	50,837	59,721	No	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-4099	Media and Communication Equipment Workers, All Other	25.653	61.825	85.062	No.	Yes	Yes	Associate's degree	1 1	No	Yes	Yes
29-1011	Chiropractors	42,843	80,890	91,870	Yes	Yes	Yes	Doctoral or professional degree	1 1	No	No	No
29-1021	Dentists, General	77,067	154,917	188,101	Yes	Yes	Yes	Doctoral or professional degree	+	Yes	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	48.264	208,850	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*
29-1023	Orthodontists	64,692	157,049	195,610	Yes	Yes	Yes	Doctoral or professional degree	1 1	Yes	Yes	Yes
29-1024	Prosthodontists								1 1			
29-1029	Dentists, All Other Specialists	48,264	208,850	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*
					-							

Wages - Workforce Re May 2022	egion 7	A	ages (\$) by Occupat	u	14/ 14	F d- All (Occupation Metric			M M	Fd- Ed	tional Level Metric
iviay 2022			Average Annual	High-Level Wage	Representative	Average Annu				esentative	Average Annu	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		ing Wage	Wage	Threshold
29-1031	Dietitians and Nutritionists	51,418	70,736	79,435	Yes	Yes	Yes	Bachelor's degree	Yes		No	No
29-1041 29-1051	Optometrists Pharmacists	35,048 75,798	92,187 118.347	116,653 134,649	Yes Yes	Yes	Yes Yes	Doctoral or professional degree	No Yes		No No	No Yes
29-1051	Physician Assistants	29,940	79.574	115,040	No	Yes	Yes	Doctoral or professional degree Master's degree	No		Yes	Yes
29-1071	Podiatrists	28,455	120,132	170,996	No	Yes	Yes	Doctoral or professional degree	No		Yes	Yes
29-1122	Occupational Therapists	66,369	87,978	100,819	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-1123	Physical Therapists	74,443	101,403	106,329	Yes	Yes	Yes	Doctoral or professional degree	Yes		No	No
29-1124	Radiation Therapists	58,481	78,584	82,572	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-1125	Recreational Therapists	27,996	49,872	58,003	No	Yes	Yes	Bachelor's degree	No		No	No
29-1126 29-1127	Respiratory Therapists Speech-Language Pathologists	52,842 47,155	67,873 74,699	78,888 91,546	Yes Yes	Yes	Yes	Associate's degree	Yes No		Yes No	Yes Yes
29-1127	Exercise Physiologists	36,402	48.742	52,123	Yes	No No	Yes No	Master's degree Master's degree	No		No	No
29-1129	Therapists, All Other	32,571	57,048	70,655	Yes	Yes	Yes	Bachelor's degree	No		No	No
29-1131	Veterinarians	56,983	106,028	122,511	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
29-1141	Registered Nurses	54,683	78,415	84,053	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	No
29-1151	Nurse Anesthetists	150,600	209,996	183,942	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-1161 29-1171	Nurse Midwives Nurse Practitioners	57,994	89,757	103,107	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-11/1	Audiologists	91,520 56,956	112,571 87,313	124,046 98,706	Yes Yes	Yes	Yes Yes	Master's degree Doctoral or professional degree	Yes No		Yes No	Yes No
29-1211	Anesthesiologists	95,554	275,619	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1212	Cardiologists	165,786	393,986	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1213	Dermatologists	57,213	238,858	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1214	Emergency Medicine Physicians	189,234	318,728	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1215	Family Medicine Physicians	56,230	200,131	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1216 29-1217	General Internal Medicine Physicians	57,213	238,858 252,438	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1217	Neurologists Obstetricians and Gynecologists	85,769 57,213	252,438 238.858	*	Yes Yes	Yes	Yes* Yes*	Doctoral or professional degree Doctoral or professional degree	Yes No		Yes	Yes* Yes*
29-1218	Pediatricians, General	111,798	179,568	218.883	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	Yes		Yes	Yes
29-1222	Physicians, Pathologists	91,337	233,979	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1223	Psychiatrists	49,192	206,029	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1224	Radiologists	46,748	279,707	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1229	Physicians, All Other	176,750	266,309	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1241	Ophthalmologists, Except Pediatric	93,726	201,748	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1242	Orthopedic Surgeons, Except Pediatric	59,721	294,408	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1243 29-1249	Pediatric Surgeons Surgeons, All Other	59,721	294,408		Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1245	Acupuncturists	26,645	46,454	50.157	No No	No	No No	Master's degree	No		No	No No
29-1292	Dental Hygienists	49.358	71.962	80.826	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-1299	Healthcare Diagnosing or Treating Practitioners, All Other	68,411	93,210	93,184	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-2010	Clinical Laboratory Technologists and Technicians	36,493	56,549	70,304	Yes	Yes	Yes	Associate's degree	No		Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	27,885	50,680	70,251	No	Yes	Yes	Associate's degree	No		No	Yes
29-2032 29-2033	Diagnostic Medical Sonographers	55,247	68,092	75,166	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-2033	Nuclear Medicine Technologists Radiologic Technologists and Technicians	60,475 49,264	75,212 65,937	78,685 76,958	Yes Yes	Yes	Yes Yes	Associate's degree Associate's degree	Yes Yes		Yes	Yes Yes
29-2035	Magnetic Resonance Imaging Technologists	39,480	63,185	72,134	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-2036	Medical Dosimetrists		,						- 100			
29-2042	Emergency Medical Technicians	23,890	34,888	37,031	No	No	No	Postsecondary nondegree award	No		No	No
29-2043	Paramedics	29,078	38,108	45,455	No	No	No	Postsecondary nondegree award	No		No	No
29-2051	Dietetic Technicians	21,886	28,492	30,807	No	No	No	Associate's degree	No		No	No
29-2052 29-2053	Pharmacy Technicians Psychiatric Technicians	29,083 25,533	38,863 34,363	43,916 37,551	No	No No	No No	Postsecondary nondegree award	No		No No	No No
29-2055	Surgical Technologists	34,694	47,988	55,532	No Yes	No	No No	Postsecondary nondegree award Postsecondary nondegree award	No Yes		Yes	Yes
29-2056	Veterinary Technologists and Technicians	23,684	34,633	37,916	No	No	No	Associate's degree	No		No	No
29-2057	Ophthalmic Medical Technicians	29,411	47,621	57,174	No	No	Yes	Postsecondary nondegree award	No		Yes	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	38,097	47,701	51,959	Yes	No	No	Postsecondary nondegree award	Yes		Yes	Yes
29-2072	Medical Records Specialists	29,987	46,123	56,659	No	No	Yes	Postsecondary nondegree award	No		Yes	Yes
29-2081	Opticians, Dispensing	31,750	47,419	54,228	No	No	No	Postsecondary nondegree award	Yes		Yes	Yes
29-2091 29-2092	Orthotists and Prosthetists	39,177 28,666	76,701 48,751	89,169 61,559	Yes No	Yes No	Yes	Master's degree	No No		Yes	Yes
29-2092	Hearing Aid Specialists Health Technologists and Technicians, All Other	33,264	44,944	55,398	Yes	No	Yes No	Postsecondary nondegree award Postsecondary nondegree award	Yes		Yes	Yes Yes
29-9021	Health Information Technologists and Medical Registrars	31,230	57,700	74.376	No.	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
29-9091	Athletic Trainers	36,448	50,653	56,331	Yes	Yes	No	Bachelor's degree	No		No	No
29-9092	Genetic Counselors											
29-9093	Surgical Assistants	31,570	56,533	65,997	No	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
29-9099	Healthcare Practitioners and Technical Workers, All Other	28,960	60,585	65,942	No	Yes	Yes	Postsecondary nondegree award	No		Yes	Yes
31-1120 31-1131	Home Health and Personal Care Aides	22,381	27,296	29,848	No	No	No	High school diploma or equivalent	No		No	No
31-1131 31-1132	Nursing Assistants Orderlies	24,998 23.034	32,306 28.207	36,204 30.191	No No	No No	No No	Postsecondary nondegree award	No No		No No	No No
31-1133	Psychiatric Aides	24,660	29,897	31,818	No	No	No	High school diploma or equivalent High school diploma or equivalent	No		No	No
31-2011	Occupational Therapy Assistants	60,932	69,700	78,516	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
31-2012	Occupational Therapy Aides	27,509	51,471	62,772	No	Yes	Yes	Postsecondary nondegree award	No		Yes	Yes
31-2021	Physical Therapist Assistants	43,900	60,842	68,680	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
31-2022	Physical Therapist Aides	21,353	28,905	31,110	No	No	No	Postsecondary nondegree award	No		No	No
31-9011	Massage Therapists	49,807	61,175	66,548	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
31-9091 31-9092	Dental Assistants Medical Assistants	30,722	42,391	46,793	No No	No	No No	Postsecondary nondegree award	Yes		No	No
31-9092	Medical Equipment Preparers	31,200 26,920	36,558 35,288	37,515 35,410	No No	No No	No No	Postsecondary nondegree award High school diploma or equivalent	Yes No		No No	No No
31-9094	Medical Transcriptionists	21,794	32,452	36,154	No	No	No	Postsecondary nondegree award	No		No	No
		22,757	32,432	30,134	1			,	,			

May 2022	egion 7	Annual W	/ages (\$) by Occupat	ion	Wage Meet	ts or Exceeds All O	ccupation Metric		Wa	ge Meets or	Exceeds Educati	ional Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annua			Represe		Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting		Wage	Threshold
31-9095	Pharmacy Aides	21,720	31,285	36,651	No	No	No	High school diploma or equivalent	No		No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	24,688	30,458	33,260	No	No	No	High school diploma or equivalent	No		No	No
31-9097	Phlebotomists	28,992	36,030	38,273	No	No	No	Postsecondary nondegree award	No		No	No
31-9099	Healthcare Support Workers, All Other	34,216	44,890	52,333	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
33-1011	First-Line Supervisors of Correctional Officers	38,681	49,771	48,696	Yes	Yes	No	Some college, no degree	Yes		Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	51,174	67,553	71,698	Yes	Yes	Yes	Bachelor's degree	Yes		No	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	35,204	56,790	68,457	Yes	Yes	Yes	Associate's degree	No		Yes	Yes
33-1091	First-Line Supervisors of Security Workers	27,894	45,370	53,639	No	No	No	Bachelor's degree	No		No	No
33-1099	First-Line Supervisors of Protective Service Workers, All Other	35,309	54,595	62,560	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
33-2011	Firefighters	23,522	38,095	45,397	No	No	No	Postsecondary nondegree award	No		No	No
33-2021	Fire Inspectors and Investigators	37,312	57,921	70,839	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	51,140	84,097	94,939	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
33-3011	Bailiffs	26,810	50,873	59,914	No	Yes	Yes	High school diploma or equivalent	No		Yes	Yes
33-3012	Correctional Officers and Jailers	38,750	39,219	39,749	Yes	No	No	High school diploma or equivalent	Yes		No	No
33-3021	Detectives and Criminal Investigators	38,123	46,296	49,691	Yes	No	No	Some college, no degree	Yes		Yes	Yes
33-3031	Fish and Game Wardens	24,844	26,939	27,095	No	No	No	Bachelor's degree	No		No	No
33-3041	Parking Enforcement Workers	29,172	37,422	38,948	No	No	No	High school diploma or equivalent	No		No	No
33-3051	Police and Sheriff's Patrol Officers	36,286	45,781	51,626	Yes	No	No	Associate's degree	No		No	No
33-3052	Transit and Railroad Police	54,870	68,174	55,954	Yes	Yes	No	Associate's degree	Yes		Yes	No
33-9011	Animal Control Workers	26,002	36,706	40,611	No	No	No	Postsecondary nondegree award	No		No	No
33-9021	Private Detectives and Investigators	30,577	55,127	75,469	No	Yes	Yes	Bachelor's degree	No		No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	26,066	32,736	35,484	No	No	No	High school diploma or equivalent	No		No	No
33-9032	Security Guards	22,527	31,549	44,044	No	No	No	High school diploma or equivalent	No		No	No
33-9091	Crossing Guards and Flaggers	22,961	28,997	31,542	No	No	No	No formal educational credential	No		No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	19,138	27,463	30,651	No	No	No	No formal educational credential	No		No	No
33-9093	Transportation Security Screeners	32,415	40,298	44,010	Yes	No	No	High school diploma or equivalent	Yes		No	No
33-9094	School Bus Monitors	21,984	28,452	29,024	No	No	No	High school diploma or equivalent	No		No	No
33-9099	Protective Service Workers, All Other	27,040	36,960	40,032	No	No	No	High school diploma or equivalent	No		No	No
35-1011	Chefs and Head Cooks	35,980	56,342	71,354	Yes	Yes	Yes	Associate's degree	No		Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	27,973	38,679	44,867	No	No	No	High school diploma or equivalent	No		No	No
35-2011	Cooks, Fast Food	20,204	24,366	26,525	No	No	No	No formal educational credential	No		No	No
35-2012	Cooks, Institution and Cafeteria	25,283	31,864	33,365	No	No	No	No formal educational credential	Yes		Yes	No
35-2013	Cooks, Private Household	29,723	54,080	66,640	No	Yes	Yes	Postsecondary nondegree award	No		Yes	Yes
35-2014	Cooks, Restaurant	24,884	32,680	36,227	No	No	No	High school diploma or equivalent	No		No	No
35-2015	Cooks, Short Order	20,452	26,966	31,377	No	No	No	No formal educational credential	No		No	No
35-2019	Cooks, All Other	24,964	30,807	32,599	No	No	No	No formal educational credential	Yes		No	No
35-2021	Food Preparation Workers	23,055	28,986	30,359	No	No	No	No formal educational credential	No		No	No
35-3011	Bartenders	21,699	35,600	43,823	No	No	No	No formal educational credential	No		Yes	Yes
35-3023 35-3031	Fast Food and Counter Workers	22,317	26,109 32,368	27,774	No No	No	No	No formal educational credential	No		No	No
	Waiters and Waitresses	20,953		36,257		No	No	No formal educational credential	No		Yes	Yes
35-3041 35-9011	Food Servers, Nonrestaurant	22,053	26,271	27,633	No	No	No	No formal educational credential	No		No	No
35-9011 35-9021	Dining Room and Cafeteria Attendants and Bartender Helpers Dishwashers	21,055	27,253	29,308	No	No	No	No formal educational credential	No		No	No
35-9021		21,489	26,234	28,846	No	No	No	No formal educational credential	No		No	No
35-9099	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop Food Preparation and Serving Related Workers, All Other	21,028 20,388	27,257 25,947	28,051 26,544	No No	No No	No No	No formal educational credential	No No		No No	No No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	28,969	41,600	45,522	No	No	No	No formal educational credential	No		No	No
37-1011	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	31,354	49,713	62,716	No	Yes	Yes	High school diploma or equivalent Some college, no degree	Yes		Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	22.826	29.901	32.874	No	No	No	High school diploma or equivalent	No		No	No
37-2011	Maids and Housekeeping Cleaners	22,820	27,152	29.156	No.	No.	No	No formal educational credential	No.		No.	No.
37-2012	Building Cleaning Workers, All Other	22,398	27,152	30,504	No	No	No	No formal educational credential No formal educational credential	No		No	No
37-2021	Pest Control Workers	22,433	39.023	44.114	No	No.	No	High school diploma or equivalent	No		No	No.
37-3011	Landscaping and Groundskeeping Workers	27.030	31,979	35.915	No	No	No	No formal educational credential	Yes		Yes	Yes
37-3012		21,711	35,337	41,961	No.	No.	No	High school diploma or equivalent	No.		No	No
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation Tree Trimmers and Pruners	25,744	36,099	43,339	No	No	No	High school diploma or equivalent	No		No	No
37-3019	Grounds Maintenance Workers, All Other	23,7-14	30,033	45,555	1.0				1 1			
39-1013	First-Line Supervisors of Gambling Services Workers	30,320	53,042	65.096	No	Yes	Yes	Some college, no degree	Yes		Yes	Yes
010	First-Line Supervisors of Gambing Services Workers First-Line Supervisors of Entertainment and Recreation Workers, Except	30,320	33,042	05,030	140	. 63	163	Some college, no degree	163			,63
39-1014	Gambling Services	28.032	47.805	55.835	No	No	No	Some college, no degree	Yes		Yes	Yes
39-1022	First-Line Supervisors of Personal Service Workers	27,086	44,249	52,206	No	No	No	Some college, no degree	Yes		Yes	Yes
39-2011	Animal Trainers	24,853	34.225	36,200	No	No	No	High school diploma or equivalent	No.		No	No
39-2011	Animal Caretakers	21,380	28,639	30,320	No	No	No	High school diploma or equivalent	No		No	No
39-3011	Gambling Dealers	19,726	32,341	43,679	No	No	No	High school diploma or equivalent	No		No	No
39-3012	Gambling and Sports Book Writers and Runners	17,720	32,341	45,079	INU	INU	NU	riigii scriooi dipionia oi equivalent	NU		NO	INU
39-3012	Gambling Service Workers, All Other	19,111	29,760	34,602	No	No	No	High school diploma or equivalent	No		No	No
39-3021	Motion Picture Projectionists	13,111	25,700	34,002	1			on sensor diploma of equivalent	140			
39-3031	Ushers, Lobby Attendants, and Ticket Takers	19.699	24,210	26,066	No	No	No	No formal educational credential	No		No	No
39-3091	Amusement and Recreation Attendants	21,371	27,537	29,487	No	No	No	No formal educational credential	No		No	No
39-3092	Costume Attendants	21,3/1	21,331	23,407	NO	140	NO	romai educational credential	NO			INO
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	20.820	27.830	30.430	No	No	No	High school diploma or equivalent	No		No	No
39-3099	Entertainment Attendants and Related Workers, All Other	21,399	26,636	26,682	No	No	No	High school diploma or equivalent	No		No	No
39-4011	Embalmers	30.017	42.898	48.062	No No	No No	No No		No No		No	No No
39-4012	Crematory Operators	28,556	36,393	43,496	No	No	No	Associate's degree High school diploma or equivalent	No		No	No
	Funeral Attendants	21,729	28.014	43,496 31.028	No No	No	No No		No		No	No
		31,864	28,014 51,002	59,363	No No	Yes	Yes	High school diploma or equivalent	No No			No No
								Associate's degree			No	INO
39-4021 39-4031 39-5011	Morticians, Undertakers, and Funeral Arrangers											No
39-4031 39-5011	Barbers	20,066	31,037	34,262	No	No	No	Postsecondary nondegree award	No		No	No No
39-4031												No No

Wages - Workforce Re	egion 7							1			- 1-1	
May 2022			ages (\$) by Occupat Average Annual	High-Level Wage	Representative	Average Annu	Occupation Metric ual High-Level Wage		Re	oresentative	Average Annua	tional Level Metric al High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		rting Wage	Wage	Threshold
			-			•		·			-	
39-5093	Shampooers	19,111	22,547	24,330	No	No	No	High school diploma or equivalent	No		No	No
39-5094	Skincare Specialists	20,967	37,799	41,566	No	No	No	Postsecondary nondegree award	No		No	No
39-6011	Baggage Porters and Bellhops	19,864	27,260	31,652	No	No	No	High school diploma or equivalent	No		No	No
39-6012	Concierges	22,712	32,810	35,135	No	No	No	High school diploma or equivalent	No		No	No
39-7010 39-9011	Tour and Travel Guides Childcare Workers	20,948	33,435	36,779 28,998	No	No	No	High school diploma or equivalent	No		No	No No
39-9011	Exercise Trainers and Group Fitness Instructors	21,347 19,111	26,817 38,773	28,998 45,287	No No	No No	No No	High school diploma or equivalent	No No		No No	No No
39-9032	Recreation Workers	21.580	29.629	45,287 33.111	No	No	No No	Postsecondary nondegree award Bachelor's degree	No.		No	No
39-9041	Residential Advisors	23,852	33,913	38,258	No	No	No	Some college, no degree	No		No	No
39-9099	Personal Care and Service Workers, All Other	19,111	28.280	30,017	No.	No.	No	High school diploma or equivalent	No		No	No
41-1011	First-Line Supervisors of Retail Sales Workers	28,836	47,854	51,362	No	No	No	Some college, no degree	Yes		Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	41,653	80,347	92,400	Yes	Yes	Yes	Some college, no degree	Ye		Yes	Yes
41-2011	Cashiers	21,981	26,044	28,345	No	No	No	No formal educational credential	No		No	No
41-2012	Gambling Change Persons and Booth Cashiers	19,506	30,577	31,680	No	No	No	No formal educational credential	No		No	No
41-2021	Counter and Rental Clerks	22,779	36,394	43,407	No	No	No	No formal educational credential	No		Yes	Yes
41-2022	Parts Salespersons	22,371	35,406	40,865	No	No	No	High school diploma or equivalent	No		No	No
41-2031	Retail Salespersons	22,753	33,436	35,694	No	No	No	High school diploma or equivalent	No		No	No
41-3011	Advertising Sales Agents	29,769	60,236	66,079	No	Yes	Yes	Some college, no degree	Ye		Yes	Yes
41-3021	Insurance Sales Agents	27,573	64,086	71,418	No	Yes	Yes	Postsecondary nondegree award	No		Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	37,881	57,329	58,071	Yes	Yes	Yes	Bachelor's degree	No		No	No
41-3041	Travel Agents	22,722	40,142	46,050	No	No	No	Some college, no degree	No		No	Yes
41 2001	Sales Representatives of Services, Except Advertising, Insurance, Financial	24.245	70.504	75 445	V	V	V	Deskelede desses	1 1		N-	N-
41-3091	Services, and Travel	34,015	70,694	75,415	Yes	Yes	Yes	Bachelor's degree	No		No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	27 270	72.002	04.750	Vos	Voc	Voc	Pacholor's dograp	No		No	Vos
41-4011	Products Sales Representatives, Wholesale and Manufacturing, Except Technical and	37,379	72,093	94,759	Yes	Yes	Yes	Bachelor's degree	No		No	Yes
41-4012	Scientific Products	31.526	66.579	78.879	No	Yes	Yes	Some college, no degree	Ye:		Yes	Yes
41-9011	Demonstrators and Product Promoters	19,460	45,103	71,803	No	No	Yes	No formal educational credential	No		Yes	Yes
41-9012	Models	15,400	43,103	71,003	NO	INU	res	No formal educational credential	INU		res	res
41-9021	Real Estate Brokers	26,259	51,985	58,288	No	Yes	Yes	Postsecondary nondegree award	No		Yes	Yes
41-9022	Real Estate Sales Agents	25,040	49.866	55,078	No.	Yes	No.		No.		Yes	Yes
41-9031	Sales Engineers	44.819	113.443	147.668	Yes	Yes	Yes	Postsecondary nondegree award Bachelor's degree	Ye		Yes	Yes
41-9041	Telemarketers	19.736	28,795	30.210	No.	No	No.	High school diploma or equivalent	No		No	No.
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	19,809	32,599	45.866	No	No	No	High school diploma or equivalent	No		No	No
41-9099	Sales and Related Workers, All Other	20.480	38,102	41,594	No	No	No	Some college, no degree	No		No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	35,568	58,206	73,112	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	23,944	28,767	31,496	No	No	No	High school diploma or equivalent	No		No	No
43-2021	Telephone Operators	23,344	20,707	31,430	140	140	140	riigii scriooi dipionia oi equivalent	INC		NO	140
43-2099	Communications Equipment Operators, All Other											
43-3011	Bill and Account Collectors	28.473	38.010	41.493	No	No	No	High school diploma or equivalent	No		No	No
43-3021	Billing and Posting Clerks	29,676	38,961	43,313	No	No	No	High school diploma or equivalent	Ye		No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	27,693	42,478	48,896	No	No	No	Some college, no degree	Ye		Yes	Yes
43-3041	Gambling Cage Workers	20,388	29,447	35,033	No	No	No	High school diploma or equivalent	No		No	No
43-3051	Payroll and Timekeeping Clerks	26,540	41,224	47,463	No	No	No	Some college, no degree	Ye		Yes	Yes
43-3061	Procurement Clerks	26,890	40,574	46,966	No	No	No	Associate's degree	No		No	No
43-3071	Tellers	29,235	35,841	38,806	No	No	No	High school diploma or equivalent	No		No	No
43-3099	Financial Clerks, All Other	32,966	49,982	55,982	Yes	Yes	No	Some college, no degree	Ye	i	Yes	Yes
43-4011	Brokerage Clerks	34,234	50,965	55,311	Yes	Yes	No	Some college, no degree	Ye:		Yes	Yes
43-4021	Correspondence Clerks											
43-4031	Court, Municipal, and License Clerks	27,759	38,282	39,913	No	No	No	Some college, no degree	Ye		No	No
43-4041	Credit Authorizers, Checkers, and Clerks	26,525	40,133	46,776	No	No	No	Some college, no degree	Ye		No	Yes
43-4051	Customer Service Representatives	29,269	40,144	48,645	No	No	No	High school diploma or equivalent	No		No	No
43-4061	Eligibility Interviewers, Government Programs	24,844	35,520	43,955	No	No	No	High school diploma or equivalent	No		No	No
43-4071	File Clerks	23,350	33,276	36,094	No	No	No	High school diploma or equivalent	No		No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	22,640	28,898	30,160	No	No	No	High school diploma or equivalent	No		No	No
43-4111	Interviewers, Except Eligibility and Loan	30,990	36,828	38,807	No	No	No	High school diploma or equivalent	Ye		No	No
43-4121 43-4131	Library Assistants, Clerical	22,560	27,702	28,494	No	No	No	Some college, no degree	No		No	No No
	Loan Interviewers and Clerks	29,396	40,979	44,965 43,220	No	No	No No	High school diploma or equivalent	No		No	No
43-4141	New Accounts Clerks	33,315	39,903		Yes	No No		High school diploma or equivalent	Yes		No No	No
43-4151 43-4161	Order Clerks Human Resources Assistants, Except Payroll and Timekeeping	27,631	43,091	57,036	No	No No	Yes	High school diploma or equivalent	No		No	Yes
43-4161	Receptionists and Information Clerks	28,234 23,960	39,627 31,127	44,837 34,993	No No	No No	No No	Associate's degree	No No		No No	No No
43-41/1	Reservation and Transportation Ticket Agents and Travel Clerks	23,960 26.893	31,127 38.810	34,993 44.543	No No	No No	No No	High school diploma or equivalent	No No		No No	No No
43-4181	Information and Record Clerks, All Other	26,893 31.200	40.023	44,543	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	Ye:		No No	No No
43-5011	Cargo and Freight Agents	31,200	56,594	78.852	No	Yes	Yes	High school diploma or equivalent	Ye:		Yes	Yes
43-5021	Couriers and Messengers	22,031	30,177	30,820	No	No	No	High school diploma or equivalent	No	•	No	No
43-5021	Public Safety Telecommunicators	26,254	32,094	31,045	No	No	No	High school diploma or equivalent	No		No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	31,769	51,703	62.228	No	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5041	Meter Readers, Utilities	28,198	42,457	51,811	No	No	No	High school diploma or equivalent	No		No	Yes
43-5051	Postal Service Clerks	39,770	54,798	60,798	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5052	Postal Service Mail Carriers	39,645	55,286	72,124	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	35,447	47,924	61,706	Yes	No	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	35,934	55,725	65,088	Yes	Yes	Yes	Some college, no degree	Ye		Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	26,347	36,589	41,291	No	No	No	High school diploma or equivalent	No		No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	20,800	26,485	30,013	No	No	No	High school diploma or equivalent	No		No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	33,426	53,762	62,289	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	27,996	44,947	54,787	No	No	No	Some college, no degree	Ye		Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	26,348	34,986	37,928	No	No	No	Some college, no degree	No		No	No
					-							

Wages - Workforce Re Way 2022	.0	Annual W	ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All O	ccupation Metric		Wage Meet	s or Exceeds Educa	ational Level Metric
•			Average Annual	High-Level Wage	Representative	Average Annu			Representative	Average Annu	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
43-6014 43-9021	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	27,040	36,308	40,980	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers Word Processes and Typicts	27,726 27,394	32,368 31,137	35,538 28.808	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
43-9022	Word Processors and Typists Desktop Publishers	27,394	45,976	28,808 55,559	No No	No	No No	High school diploma or equivalent Associate's degree	No No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	27.812	40,721	44,460	No	No	No	High school diploma or equivalent	No	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	22,079	31,781	35,548	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	24,182	39,307	46,966	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	20,544	30,926	35,079	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	25,910	32,029	33,545	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	32,580	42,246	46,831	Yes	No	No	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	20,800	35,486	42,120	No	No	No	Some college, no degree	No	No	No
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	27,986	50,818	63,488	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
45-2011	Agricultural Inspectors	24,844	35,998	38,286	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	24,853	34,225	36,200	No	No	No	High school diploma or equivalent	No	No	No
45-2041 45-2091	Graders and Sorters, Agricultural Products	20,507 24,109	24,173 33,407	25,147 35,530	No No	No No	No No	No formal educational credential	No	No	No Yes
45-2091	Agricultural Equipment Operators Farmworkers and Laborers, Crop, Nursery, and Greenhouse	20,912	25,882	26,966	No	No	No	No formal educational credential No formal educational credential	Yes No	Yes No	No No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	20,912	33.040	39.545	No No	No	No No	No formal educational credential	Yes	Yes	Yes
45-2099	Agricultural Workers, All Other	19,736	32,782	38,516	No	No	No	No formal educational credential	No	Yes	Yes
45-3031	Fishing and Hunting Workers	24.596	33,040	39,545	No.	No	No	No formal educational credential	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	30,072	38,828	45,811	No	No	No	Postsecondary nondegree award	No	No	No
45-4021	Fallers	35,971	42,733	48,328	Yes	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	30,845	46,030	62,579	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-4023	Log Graders and Scalers	20,507	24,173	25,147	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	38,231	41,428	42,889	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	43,302	67,369	79,705	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	19,111	43,045	52,371	No	No	No	High school diploma or equivalent	No	No	Yes
47-2021	Brickmasons and Blockmasons	27,444	39,995	45,498	No	No	No	High school diploma or equivalent	No	No	No
47-2022	Stonemasons	26,783	42,705	53,023	No	No	No	High school diploma or equivalent	No	No	Yes
47-2031 47-2041	Carpenters Carpet Installers	31,410	40,367	45,347	No No	No	No No	Postsecondary nondegree award	Yes	No	No No
47-2041	Floor Layers, Except Carpet, Wood, and Hard Tiles	19,111 31.018	31,230 41,676	34,234 47.005	No No	No No	No No	No formal educational credential No formal educational credential	No Yes	Yes	No Yes
47-2042	Floor Sanders and Finishers	22.317	36.154	45,030	No.	No	No	No formal educational credential	No	Yes	Yes
47-2044	Tile and Stone Setters	29,126	42,228	45,333	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	28,063	40,699	49,013	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	32,277	47,722	53,088	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	24,332	39,880	47,258	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	28,188	37,128	41,171	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators	31,818	44,433	45,765	No	No	No	High school diploma or equivalent	Yes	Yes	No
47-2073	Operating Engineers and Other Construction Equipment Operators	29,004	38,560	43,915	No	No	No	High school diploma or equivalent	No	No	No
47-2081	Drywall and Ceiling Tile Installers	22,445	36,372	42,659	No	No	No	No formal educational credential	No	Yes	Yes
47-2082	Tapers	26,277	38,562	43,284	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2111 47-2121	Electricians	35,352	46,354	49,785	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
47-2121 47-2131	Glaziers	26,277	38,562	43,284	No	No	No	High school diploma or equivalent	No	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	26,902 33,453	39,958 45,048	44,396 46,886	No	No No	No No	High school diploma or equivalent	No Yes	No	No No
47-2141	Insulation Workers, Mechanical Painters, Construction and Maintenance	30,277	40,065	44,495	Yes No	No	No	High school diploma or equivalent No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	27,242	33,977	40,914	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelavers	36.351	46.078	49,768	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	29,575	49,290	58,156	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
47-2161	Plasterers and Stucco Masons	34,320	42,409	46,398	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	32,387	43,119	50,616	Yes	No	No	High school diploma or equivalent	Yes	No	Yes
47-2181	Roofers	26,965	41,927	47,770	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	26,348	41,053	48,355	No	No	No	High school diploma or equivalent	No	No	No
47-2221	Structural Iron and Steel Workers	32,571	44,819	52,316	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	32,645	39,940	43,009	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-3011	HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	19,111	31,533	35,061	No	No	No	No formal educational credential	No	Yes	Yes
47-3012	HelpersCarpenters	24,697	31,772	35,070	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	HelpersElectricians	29,305	36,352	37,222	No	No	No	High school diploma or equivalent	No	No	No
47-3014 47-3015	Helpers-Painters, Paperhangers, Plasterers, and Stucco Masons	24,495	28,896	30,256	No	No No	No No	No formal educational credential	Yes No	No No	No No
47-3015 47-3016	HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters HelpersRoofers	27,150 27,453	33,132 33,306	35,226 35,401	No No	No No	No No	High school diploma or equivalent	No Yes	No Yes	No Yes
47-3019	Helpers, Construction Trades, All Other	27,453 25,689	33,306	35,401 37,551	No No	No No	No No	No formal educational credential No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	38,320	61,136	76,049	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	44,828	77,739	94,654	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	26,746	36,843	42,751	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	28,023	37,119	42,522	No	No	No	High school diploma or equivalent	No	No	No
47-4051	Highway Maintenance Workers	27,455	31,264	34,493	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	41,410	50,386	57,204	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	28,087	43,790	51,011	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-4090	Miscellaneous Construction and Related Workers	29,190	39,581	43,321	No	No	No	High school diploma or equivalent	No	No	No
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas										
47-5013	Service Unit Operators, Oil and Gas							1	1		
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	30,440	42,099	47,805	No	No	No	High school diploma or equivalent	Yes	No	No
47-5023 47-5032	Earth Drillers, Except Oil and Gas	33,631 48.843	45,422 65.115	45,828 75,047	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
	Explosives Workers, Ordnance Handling Experts, and Blasters	48,843	05,115	/5,047	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes

Wages - Workforce Region 7

May 2022	egion 7	Annu	al Wages (\$) by Occupa	tion	Wage Meet	ts or Exceeds All Occu	pation Metric		Wage Meets	or Exceeds Education	nal Level Metric
,		Representative	Average Annual	High-Level Wage	Representative	Average Annual	High-Level Wage		Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
						-0-				-0-	
47-5043	Roof Bolters, Mining								i i		
47-5044	Loading and Moving Machine Operators, Underground Mining										
47-5049	Underground Mining Machine Operators, All Other										
47-5051	Rock Splitters, Quarry										
47-5071	Roustabouts, Oil and Gas	31,432	45,453	56,175	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	HelpersExtraction Workers	27,003	32,268	35,401	No	No	No	High school diploma or equivalent	No	No	No
47-5099	Extraction Workers, All Other										
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	42,530	67,725	76,702	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	28,427	37,983	43,597	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	35,079	53,951	66,098	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	36,998	51,171	59,983	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	35,254	62,919	72,107	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	28,290	41,924	46,867	No	No	No	High school diploma or equivalent	No	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	36,825	51,691	58,453	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	36,005	49,632	64,699	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	36,696	70,241	90,896	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096 49-2097	Electronic Equipment Installers and Repairers, Motor Vehicles	30,513	40,758	44,635	No	No	No	Postsecondary nondegree award	Yes	No	No
	Audiovisual Equipment Installers and Repairers	35,107	43,293	46,454	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-2098 49-3011	Security and Fire Alarm Systems Installers	29,365	43,312	53,667	No	No	No	Postsecondary nondegree award	No	Yes	Yes
	Aircraft Mechanics and Service Technicians	36,651	64,416	73,182	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	30,339	42,940	48,088	No No	No	No	Postsecondary nondegree award	Yes	No	No Voc
49-3022 49-3023	Automotive Glass Installers and Repairers	30,807	42,512	50,359	No	No No	No	High school diploma or equivalent	Yes	No	Yes
	Automotive Service Technicians and Mechanics Bus and Truck Machanics and Discol Engine Specialists	29,120	44,001	50,159	No	No No	No	Postsecondary nondegree award	No V	Yes	No
49-3031 49-3041	Bus and Truck Mechanics and Diesel Engine Specialists	35,088	48,878	60,678	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041 49-3042	Farm Equipment Mechanics and Service Technicians Mobile Heavy Equipment Mechanics Except Engines	28,418	43,744	45,498	No	No	No	High school diploma or equivalent	No V	Yes	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	34,170	51,811	59,519	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3051	Rail Car Repairers	34,409 30,559	49,403 47,437	54,934 55,807	Yes No	No No	No No	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	27.389	47,437	55,807				Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics Outdoor Power Equipment and Other Small Engine Mechanics	27,389	42,264 34.879	37,553	No No	No No	No No	High school diploma or equivalent	No No	No No	Yes No
49-3091	Bicycle Repairers	28,512		40.133	No	No	No	High school diploma or equivalent	No No	No No	No No
49-3092	Recreational Vehicle Service Technicians	21,555	33,600 44.672	40,133 56.331	No	No	No No	High school diploma or equivalent	No No		
49-3093	Tire Repairers and Changers	28,097	37,605	49,447	No	No	No	High school diploma or equivalent	No No	Yes No	Yes No
49-9011		28,372	42.301	49,447	No	No	No	High school diploma or equivalent	No No	No	Yes
49-9011	Mechanical Door Repairers Control and Valve Installers and Repairers, Except Mechanical Door	33,792	52,922	63,360	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9021								Postsecondary nondegree award			
49-9031	Heating, Air Conditioning, and Refrigeration Mechanics and Installers Home Appliance Repairers	34,291 26.103	45,005 39.988	49,128 50,995	Yes No	No No	No No	Postsecondary nondegree award	Yes No	Yes No	No
49-9041	Industrial Machinery Mechanics	37,528	56,541	62,884	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	37,528	49.743	53,997	No.	Yes	No.	Postsecondary nondegree award High school diploma or equivalent	Yes	Yes	Yes
49-9044	Millwrights	49.400	49,743	49.543	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	No
49-9045	Refractory Materials Repairers, Except Brickmasons	24.036	31.854	35,024	No.	No	No.	High school diploma or equivalent	No.	No	No
49-9051	Electrical Power-Line Installers and Repairers	35.934	66.052	86.725	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	32,286	46,656	55,008	Yes	No	No		Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	32,200	40,030	33,000	163	NO	140	Postsecondary nondegree award	163	163	163
49-9062	Medical Equipment Repairers	30,550	49,027	56,515	No	No	Yes	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	26,213	38,589	47,345	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	20,215	30,303	47,545			110	Thigh serious diploma or equivalent	1.0		110
49-9069	Precision Instrument and Equipment Repairers, All Other	37.275	53.023	60.677	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	27.235	38.482	45,902	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	,		,					1 1		
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	25.175	37,073	44.543	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	36,338	48,944	52,426	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	28,482	40,638	50.680	No	No	No	High school diploma or equivalent	No	No	Yes
49-9095	Manufactured Building and Mobile Home Installers	20,800	25,840	21,858	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	30,587	47,547	55,210	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	43,431	58,196	65,712	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	HelpersInstallation, Maintenance, and Repair Workers	24,044	32,337	37,346	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	29,859	38,356	44,738	No	No	No	High school diploma or equivalent	Yes	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	43,312	70,035	83,895	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	30,384	43,247	51,314	No	No	No	Postsecondary nondegree award	Yes	No	Yes
51-2021	Coil Winders, Tapers, and Finishers	30,541	41,823	44,561	No	No	No	High school diploma or equivalent	Yes	No	No
	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders,			,							
51-2028	Tapers, and Finishers	24,311	34,758	38,635	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	30,936	39,940	44,341	No	No	No	High school diploma or equivalent	Yes	No	No
51-2041	Structural Metal Fabricators and Fitters	28,069	40,032	45,269	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	27,132	34,749	37,257	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	25,168	34,987	39,300	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	22,152	29,567	33,646	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	26,057	36,127	41,061	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	22,970	31,753	37,000	No	No	No	No formal educational credential	No	Yes	Yes
51-3023	Slaughterers and Meat Packers	24,458	25,717	26,691	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	22,869	34,041	33,426	No	No	No	No formal educational credential	No	Yes	No
F4 2002	Food Batchmakers	20,921	30,587	34,914	No	No	No	High school diploma or equivalent	No	No	No
51-3092		23,071	29,420	32,580	No	No	No	High school diploma or equivalent	No	No	No
51-3092	Food Cooking Machine Operators and Tenders	23,071									
	Food Cooking Machine Operators and Tenders Food Processing Workers, All Other	22,079	29,254	32,764	No	No	No	No formal educational credential	No	No	No
51-3093											No

May 2022	egion 7	Annual W	/ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All O	ccupation Metric	1	Wage Mee	s or Exceeds Educa	ional Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annua			Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	27,885	36,834	42,071	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	28,188	38,525	41,612	No	No	No	High school diploma or equivalent	No	No	No
	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and	25.457	25.202	40.540					l I		
51-4031	Plastic	26,167	35,383	40,519	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	27.744	F1 710	76.020	N-	V	V	High cabool dislance on a six-lank		V	V
51-4032	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and	27,711	51,710	76,820	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-4033	Tenders, Metal and Plastic	23,870	31,349	33,398	No	No	No	High school diploma or equivalent	No	No	No
31-4033	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and	23,070	31,343	33,330	NO	NO	NU	High school diploma or equivalent	INU	NU	INU
51-4034	Plastic	25,671	35,778	43,955	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	28,979	38,745	42.430	No	No	No	Postsecondary nondegree award	No	No	No
51-4041	Machinists	29,346	44,231	52,187	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	35,980	45,875	46,730	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-4052	Pourers and Casters, Metal	27,426	42,880	52,004	No	No	No	High school diploma or equivalent	No	No	Yes
51-4061	Model Makers, Metal and Plastic										
51-4062	Patternmakers, Metal and Plastic										
51-4071	Foundry Mold and Coremakers	21,389	36,945	50,515	No	No	No	High school diploma or equivalent	No	No	Yes
	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders,										
51-4072	Metal and Plastic	25,285	33,986	36,540	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	28,666	34,978	35,383	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	35,961	53,556	60,429	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	33,821	45,193	48,092	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	27,334	34,629	37,661	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	22,933	37,468	43,551	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic								.		
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	27,646	36,990	41,226	No	No	No	High school diploma or equivalent	No	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	25,303	33,857	35,741	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	26,893	35,897	42,108	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	29,190	41,465	45,315	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	24,293	35,778	41,244	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	24,872	35,934	42,512	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	22,026	29,798	37,877	No	No	No	No formal educational credential	No	No	Yes
51-6021	Pressers, Textile, Garment, and Related Materials	21,904	26,314	27,104	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	19,111	27,656	31,992	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	21,647	30,302	34,207	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders							+	L		
51-6051 51-6052	Sewers, Hand	20,259	27,380	27,913	No No	No	No	No formal educational credential	No	No	No
51-6061	Tailors, Dressmakers, and Custom Sewers Toutile Pleashing and Duoing Machine Operators and Tondors	26,277	32,507	34,170	NO	No	No	No formal educational credential	Yes	Yes	No
51-6062	Textile Bleaching and Dyeing Machine Operators and Tenders Textile Cutting Machine Setters, Operators, and Tenders	25.496	30.485	33,453	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Cutting Machine Setters, Operators, and Tenders Textile Knitting and Weaving Machine Setters, Operators, and Tenders	23,450	30,463	33,433	INU	NU	NO	riigii scriooi dipionia oi equivalent	INU	NU	INU
31-0003											
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders										
31 0004	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and										
51-6091	Glass Fibers	31,046	54,089	76,930	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	31,040	34,003	70,550		103	163	riigii serioor dipionia or equivalent	1.03	163	- 103
51-6093	Upholsterers	25,781	34,932	39,407	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	25.138	31,395	35,015	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	34.193	38.280	37.841	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-7021	Furniture Finishers	28,262	42,053	49,431	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood	.,	,	.,							
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	27,412	34,622	37,580	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	26,430	34,007	39,414	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	25,303	29,962	30,283	No	No	No	High school diploma or equivalent	No	No	No
51-8011	Nuclear Power Reactor Operators										
51-8012	Power Distributors and Dispatchers	49,311	81,552	95,297	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	44,607	70,379	89,104	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	44,322	57,884	62,588	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	32,205	38,127	42,028	Yes	No	No	Postsecondary nondegree award	Yes	No	No
51-8091	Chemical Plant and System Operators	38,442	56,947	61,651	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-8092	Gas Plant Operators	31,763	47,887	57,902	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	44,543	57,810	72,842	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	51,773	58,259	61,069	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	27,426	42,880	52,004	No	No	No	High school diploma or equivalent	No	No	Yes
	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,										
51-9012	Operators, and Tenders	26,002	39,287	45,618	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	25,901	38,148	43,192	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	26,167	32,681	35,539	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	25,836	36,210	41,180	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	20,167	32,764	36,807	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	26,305	35,649	40,813	No	No	No	High school diploma or equivalent	No	No	No
	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and										
51-9041	Tenders	25,469	35,116	41,511	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	28,179	36,090	40,509	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	31,914	48,468	55,872	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	23,135	44,993	52,592	No	No	No	High school diploma or equivalent	No	Yes	Yes
31-30/1		28,179	45,802	52,472	No						

Wages - Workforce Region 7

Wages - Workforce Re May 2022	egion 7	Annual \	Mages (\$) by Occupa	tion	Wage Meet	ts or Exceeds All Oc	cupation Metric		Wage Meets	or Exceeds Education	nal Level Metric
-,		Annual Wages (\$) by Occupation Representative Average Annual High-Level Wage		Wage Meets or Exceeds All Occupation Metric Representative Average Annual High-Level Wage				Representative Average Annual		High-Level Wage	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-9082	Medical Appliance Technicians	26,084	37,036	45,838	No	No	No	Postsecondary nondegree award	No	No	No
51-9083	Ophthalmic Laboratory Technicians	26,140	31,597	33,150	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	23,935	31,022	31,967	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	23,172	33,003	39,021	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	33,054	43,663	47,339	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-9141	Semiconductor Processing Technicians										
51-9151	Photographic Process Workers and Processing Machine Operators							1			
51-9161	Computer Numerically Controlled Tool Operators	28,179	39,848	45,103	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	33,793	55,219	64,426	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	21,380	30,862	35,079	No	No	No	High school diploma or equivalent	No	No	No
51-9192 51-9193	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	23,944 25.368	33,132 42,044	43,431 44,782	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
51-9194	Cooling and Freezing Equipment Operators and Tenders Etchers and Engravers	25,368	32,029	35.300	No No	No	No No	High school diploma or equivalent High school diploma or equivalent	No No	No No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	22,003	41.168	40.753	No No	No	No	High school diploma or equivalent	No No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	26,810	40,868	48,145	No	No	No	High school diploma or equivalent	No No	No	No
51-9197	Tire Builders	20,010	40,000	40,143	NO	NO	NO	Tilgii scriool dipionia of equivalent	INO .	110	140
51-9198	HelpersProduction Workers	24.654	34,495	38.327	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	22,162	30,754	38,693	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	34,785	52,454	57,222	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
	First-Line Supervisors of Transportation and Material Moving Workers, Except	34,763	32,434	37,222	163	103	163	Thigh serioof diploma of equivalent	1.03	103	-103
53-1047	Aircraft Cargo Handling Supervisors	33.987	55,171	64,904	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	100,084	248,735	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	54,751	109,521	150,590	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	73,466	116,098	144,480	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	73,466	116,098	144,480	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	32,351	63,654	72,685	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	23,659	28,170	29,907	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	20,972	34,995	41,608	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	31,861	48,009	58,322	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	23,758	41,399	45,949	No	No	No	High school diploma or equivalent	No	No	No
53-3051	Bus Drivers, School	30,455	36,934	38,959	No	No	No	High school diploma or equivalent	Yes	No	No
53-3052	Bus Drivers, Transit and Intercity	26,847	38,369	48,191	No	No	No	High school diploma or equivalent	No	No	No
53-3053	Shuttle Drivers and Chauffeurs	21,582	30,044	31,790	No	No	No	High school diploma or equivalent	No	No	No
53-3054	Taxi Drivers	19,175	29,116	29,346	No	No	No	No formal educational credential	No	No	No
53-3099	Motor Vehicle Operators, All Other	27,040	38,678	46,301	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	51,994	63,158	68,229	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	29,585	49,596	47,777	No	Yes	No	High school diploma or equivalent	Yes	Yes	No
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	35,952	54,365	56,864	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	58,224	65,721	68,275	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	26,847	38,369	48,191	No	No	No	High school diploma or equivalent	No	No	No
53-4099	Rail Transportation Workers, All Other	37,909	38,543	37,918	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-5011	Sailors and Marine Oilers	26,755	41,842	46,160	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	34,354	79,236	116,300	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	26,176	41,741	48,916	No	No	No	Postsecondary nondegree award	No	No	No
53-5031	Ship Engineers	66,677	90,308	100,506	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	22,124	29,438	33,426	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	19,543	25,019	26,562	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	27,350	32,517	36,471	No	No	No	No formal educational credential	Yes	Yes	Yes
53-6032	Aircraft Service Attendants	27,380	33,968	34,326	No	No	No	High school diploma or equivalent	No	No	No
53-6041 53-6051	Traffic Technicians Transportation Inspectors	28,152 36,935	43,688 78,566	50,102 99,119	No	No	No Yes	Associate's degree High school diploma or equivalent	No Yes	No Yes	No Yes
53-6061	Passenger Attendants	19,552	29,943	34,997	Yes No	Yes No	No.	High school diploma or equivalent	No No	No.	No
53-6099	Transportation Workers, All Other	19,552	29,943	29,925	No	No	No	High school diploma or equivalent	No No	No No	No
53-7011	Conveyor Operators and Tenders	27,141	31.818	32.902	No	No.	No.	No formal educational credential	Yes	Yes	No.
53-7011	Crane and Tower Operators	33.674	58,169	70,728	Yes	Yes	Yes		Yes	Yes	Yes
53-7021	Dredge Operators	33,074	30,103	70,728	res	res	res	High school diploma or equivalent	res	res	162
53-7031	Hoist and Winch Operators	29,640	46,445	47,593	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7041	Industrial Truck and Tractor Operators	30,965	36,508	37,496	No No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	23,524	29,937	31,360	No	No	No	No formal educational credential	Yes	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	28,189	39,781	48,759	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	24,123	26,210	28.562	No	No	No.	No formal educational credential	Yes	No	No.
53-7064	Packers and Packagers, Hand	24,123	24,752	26,140	No	No.	No.	No formal educational credential	No.	No	No.
53-7065	Stockers and Order Fillers	24.956	32,421	36,876	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	2-1,550	32,721	30,370				g 22.1001 diplottid of equivalent	1 1		
53-7072	Pump Operators, Except Wellhead Pumpers	30,155	42,411	47,612	No	No	No	High school diploma or equivalent	Yes	No	No
53-7073	Wellhead Pumpers	,	,	,522		-	-	J	1 1		
		21.898	32.323	42.829	No	No	No	No formal educational credential	No	Yes	Yes
53-7081	Refuse and Recyclable Material Collectors										
53-7081 53-7121	Refuse and Recyclable Material Collectors Tank Car, Truck, and Ship Loaders	39,839	55,522	56,377	Yes	Yes	No	No formal educational credential	Yes	Yes	Yes

^{*} indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

Summary - Workforce Region 7

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	32,026	49,469	56,510	774
No formal educational credential	23,339	31,222	34,643	76
High school diploma or equivalent	29,493	43,323	49,748	214
Some college, no degree	26,507	40,551	45,757	47
Postsecondary nondegree award	30,248	43,284	50,287	86
Associate's degree	36,504	53,568	60,370	65
Bachelor's degree	41,796	73,391	85,277	179
Master's degree	50,180	76,203	86,276	39
Doctoral or professional degree	63,504	119,547	128,586	68

	Representative	Starting Wage	Average Ar	nual Wage	High-Level Wage Threshold		
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	
All Occupations	487	287	458	316	444	330	
No formal educational credential	53.95%	46.05%	42.11%	57.89%	47.37%	52.63%	
High school diploma or equivalent	75.23%	24.77%	80.37%	19.63%	78.04%	21.96%	
Some college, no degree	31.91%	68.09%	34.04%	65.96%	29.79%	70.21%	
Postsecondary nondegree award	46.51%	53.49%	37.21%	62.79%	40.70%	59.30%	
Associate's degree	67.69%	32.31%	46.15%	53.85%	40.00%	60.00%	
Bachelor's degree	57.54%	42.46%	60.34%	39.66%	58.10%	41.90%	
Master's degree	76.92%	23.08%	61.54%	38.46%	51.28%	48.72%	
Doctoral or professional degree	77.94%	22.06%	64.71%	35.29%	61.76%	38.24%	

Wages - Workforce Re May 2022	egion 8	Annual M	/ages (\$) by Occupat	ion	Waga Maat	s or Evenode All C	Occupation Metric			Wage Moets	or Exceeds Education	nal Lavel Matris
vidy 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
									\top			
11-1011	Chief Executives	76,821	210,738	*	Yes	Yes	Yes*	Bachelor's degree		Yes	Yes	Yes*
11-1021	General and Operations Managers	45,529 36.035	115,858 87,859	140,404	Yes	Yes	Yes	Bachelor's degree	'	No	Yes	Yes
11-1031	Legislators Advertising and Promotions Managers	62,671	87,859 86.030	120,747 107.601	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		No Yes	No No	Yes
11-2011	Marketing Managers Marketing Managers	71,015	150.688	107,601	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2022	Sales Managers	59.455	141.184	174,354	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2032	Public Relations Managers	59,315	109,071	128,551	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2033	Fundraising Managers	64.130	110.272	131,750	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3012	Administrative Services Managers	51,072	107,135	131,534	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3013	Facilities Managers	44,586	93,588	116,209	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-3021	Computer and Information Systems Managers	87,937	149,667	171,195	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3031	Financial Managers	74,047	151,464	170,841	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3051	Industrial Production Managers	59,987	120,240	134,932	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3061	Purchasing Managers	67,017	129,164	154,246	Yes	Yes	Yes	Bachelor's degree	'	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	51,465	109,899	130,430	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	81,733	131,542	152,672	Yes	Yes	Yes	Bachelor's degree	'	Yes	Yes	Yes
11-3121	Human Resources Managers	73,405	124,769	139,665	Yes	Yes	Yes	Bachelor's degree	'	Yes	Yes	Yes
11-3131 11-9013	Training and Development Managers Farmers, Ranchers, and Other Agricultural Managers	62,988	105,971	128,818	Yes	Yes	Yes	Bachelor's degree	'	Yes	Yes	Yes
11-9013	Construction Managers	37,440 54,327	73,483 106,002	92,637 128,030	Yes Yes	Yes	Yes	Bachelor's degree Bachelor's degree		No Yes	No Yes	No Yes
11-9021		28,419	46,109	128,030 54.609	Yes No	Yes No	Yes			Yes No	Yes No	Yes No
11-9032	Education and Childcare Administrators, Preschool and Daycare Education Administrators, Kindergarten through Secondary	61,124	46,109 84,030	100,553	Yes	Yes	NO Yes	Bachelor's degree Master's degree	+-'	Yes	Yes	Yes
11-9032	Education Administrators, Kindergarten through Secondary Education Administrators, Postsecondary	61,358	102,115	100,553	Yes	Yes	Yes	Master's degree Master's degree		Yes	Yes	Yes
11-9039	Education Administrators, Possecondary Education Administrators, All Other	43.634	77.702	97.510	Yes	Yes	Yes	Master's degree	-	No	No.	Yes
11-9041	Architectural and Engineering Managers	104,411	151,126	168.557	Yes	Yes	Yes	Bachelor's degree	_	Yes	Yes	Yes
11-9051	Food Service Managers	34,986	66,159	74,213	No	Yes	Yes	Some college, no degree		Yes	Yes	Yes
11-9071	Gambling Managers	60,059	115,289	116,506	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
11-9072	Entertainment and Recreation Managers, Except Gambling	39,688	83,725	105,123	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9081	Lodging Managers	33,116	65,237	69,284	No	Yes	Yes	Bachelor's degree		No	No	No
11-9111	Medical and Health Services Managers	60,031	125,940	130,777	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9121	Natural Sciences Managers	50,758	95,688	111,853	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	77,730	96,862	105,643	Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	35,228	71,761	84,167	Yes	Yes	Yes	Bachelor's degree	'	No	No	No
11-9151	Social and Community Service Managers	42,963	70,386	80,272	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9161	Emergency Management Directors	49,772	98,822	121,326	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9171	Funeral Home Managers	48,648	79,738	81,713	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
11-9179	Personal Service Managers, All Other	46,646	75,855	80,108	Yes	Yes	Yes	Bachelor's degree	'	No	No	No
11-9199	Managers, All Other	58,738	122,356	155,180	Yes	Yes	Yes	Bachelor's degree	'	Yes	Yes	Yes
13-1011 13-1020	Agents and Business Managers of Artists, Performers, and Athletes	36,153 38,636	81,117 69.988	89,981 85.970	Yes	Yes	Yes	Bachelor's degree	'	No	No	No
13-1020	Buyers and Purchasing Agents Claims Adjusters, Examiners, and Investigators	38,891	65,542	79,269	Yes	Yes	Yes Yes	Bachelor's degree		No Yes	No Yes	No Yes
13-1031	Insurance Appraisers, Auto Damage	38,891 48,144	66,960	79,269	Yes			Some college, no degree				
13-1032	Compliance Officers	36,919	66,200	82,313	Yes Yes	Yes	Yes Yes	Postsecondary nondegree award Bachelor's degree		Yes No	Yes No	Yes No
13-1051	Cost Estimators	33,989	67.619	79.354	No	Yes	Yes	Bachelor's degree		No	No	No
13-1071	Human Resources Specialists	37,760	66,255	81,353	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1074	Farm Labor Contractors	23,527	86,457	120,789	No	Yes	Yes	No formal educational credential		No	Yes	Yes
13-1075	Labor Relations Specialists	47,767	81,218	99,486	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1081	Logisticians	40,921	72,324	87,592	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1082	Project Management Specialists	52,707	96,496	122,170	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1111	Management Analysts	45,551	91,633	106,418	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	33,073	55,035	67,775	No	No	Yes	Bachelor's degree		No	No	No
13-1131	Fundraisers	32,136	55,138	67,620	No	No	Yes	Bachelor's degree		No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	44,151	68,110	79,392	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1151	Training and Development Specialists	37,365	70,720	85,634	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1161	Market Research Analysts and Marketing Specialists	37,808	73,447	87,192	Yes	Yes	Yes	Bachelor's degree	'	No	No	No
13-1199	Business Operations Specialists, All Other	38,282	71,927	84,172	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2011 13-2020	Accountants and Auditors	45,581	78,493	84,275	Yes	Yes	Yes	Bachelor's degree		No	No	No
	Property Appraisers and Assessors	38,952	64,657	80,964 90,495	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2031 13-2041	Budget Analysts Credit Analysts	45,914 50,708	72,780 87,164	90,495 101,192	Yes	Yes Yes	Yes	Bachelor's degree		No	No No	No No
13-2041 13-2051	Credit Analysts Financial and Investment Analysts	50,708 51,526	87,164 87.914	101,192	Yes Yes		Yes	Bachelor's degree		Yes	No No	No No
13-2051	Personal Financial Advisors	51,526 38,401	87,914 124,978	103,719 135,287		Yes	Yes Yes	Bachelor's degree	+-'	Yes No	No Yes	No Yes
13-2052	Insurance Underwriters	38,401 47,110	74.040	135,287 86.186	Yes Yes	Yes	Yes	Bachelor's degree Bachelor's degree		No No	Yes No	Yes No
13-2054	Financial Risk Specialists	47,110 57,424	102.216	86,186 124.957	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-2061	Financial Examiners	47.443	84.829	105.418	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2001	Credit Counselors	35,880	55,656	61,267	Yes	No	No	Bachelor's degree	_	No	No	No
13-2072	Loan Officers	35,234	74,213	95,490	Yes	Yes	Yes	Bachelor's degree	_	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	29,245	54,702	75,099	No	No	Yes	Bachelor's degree		No	No	No
13-2082	Tax Preparers	24,441	44,031	57,617	No	No	No	Postsecondary nondegree award		No	No	Yes
	Financial Specialists, All Other	37,594	65,678	79,648	Yes	Yes	Yes	Bachelor's degree		No	No	No
		52,934	98,556	112,716	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
	Computer Systems Analysts			139.783	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-2099	Computer Systems Analysts Information Security Analysts	65,611	116,316	139,783	res	res	res					
13-2099 15-1211		65,611 66,560	116,316 105,313	139,783	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
13-2099 15-1211 15-1212 15-1221	Information Security Analysts	,	,	/	Yes	Yes	Yes			Yes	Yes	
13-2099 15-1211 15-1212 15-1221	Information Security Analysts Computer and Information Research Scientists	66,560	105,313	122,671				Master's degree				Yes Yes Yes
13-2099 15-1211 15-1212 15-1221 15-1231 15-1232 15-1241	Information Security Analysts Computer and Information Research Scientists Computer Network Support Specialists	66,560 44,444	105,313 77,260 56,952 114,523	122,671 86,698 64,925 136,988	Yes Yes	Yes Yes	Yes Yes	Master's degree Associate's degree		Yes Yes	Yes Yes	Yes
13-2099 15-1211 15-1212 15-1221 15-1231 15-1232	Information Security Analysts Computer and Information Research Scientists Computer Network Support Specialists Computer User Support Specialists	66,560 44,444 35,107	105,313 77,260 56,952	122,671 86,698 64,925	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Master's degree Associate's degree Postsecondary nondegree award		Yes Yes Yes	Yes Yes Yes	Yes Yes

Wages - Workforce Re May 2022	-Sion o	Annual W	/ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All C	Occupation Metric		7 7	Wage Meets	or Exceeds Education	onal Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
15-1244	Network and Computer Systems Administrators	48,921	90,518	109,702	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1251	Computer Programmers	54,509	94,761	107,067	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1252	Software Developers	68,038	109,950	131,420	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1253	Software Quality Assurance Analysts and Testers	54,303	90,955	105,497	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
15-1254 15-1255	Web Developers Web and Digital Interface Designers	47,659	86,623	107,298	Yes	Yes	Yes	Associate's degree	_	Yes	Yes	Yes
15-1255	Web and Digital Interface Designers Computer Occupations, All Other	40,999 47.625	83,362 95.483	106,372 113,235	Yes	Yes	Yes Yes	Associate's degree	_	Yes No	Yes	Yes Yes
15-2011	Actuaries	65,273	117,824	130,332	Yes Yes	Yes	Yes	Bachelor's degree Bachelor's degree	_	Yes	Yes	Yes
15-2021	Mathematicians	38,936	92,522	127.233	Yes	Yes	Yes	Master's degree		No	Yes	Yes
15-2031	Operations Research Analysts	38,958	72,204	89,317	Yes	Yes	Yes	Bachelor's degree		No	No	No
15-2041	Statisticians	45.947	103.838	149,989	Yes	Yes	Yes	Master's degree		No	Yes	Yes
15-2051	Data Scientists	51,670	97,745	116,328	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2099	Mathematical Science Occupations, All Other	39,637	81,590	98,829	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1011	Architects, Except Landscape and Naval	50,513	107,167	122,678	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-1012	Landscape Architects	43,923	69,705	78,351	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1021	Cartographers and Photogrammetrists	44,249	83,445	102,522	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1022	Surveyors	37,296	71,853	91,474	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2011	Aerospace Engineers	76,988	106,860	122,678	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2021	Agricultural Engineers	45,604	84,355	108,563	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
17-2031	Bioengineers and Biomedical Engineers	59,470	82,309	98,563	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2041 17-2051	Chemical Engineers	65,588 61,214	106,227	130,669 123,910	Yes Yes	Yes	Yes Yes	Bachelor's degree	+	Yes	Yes Yes	Yes Yes
17-2051 17-2061	Civil Engineers	,	,	,				Bachelor's degree	+			
17-2061	Computer Hardware Engineers Electrical Engineers	61,214 63.377	126,753 100.316	180,525 123.988	Yes	Yes	Yes	Bachelor's degree	+	Yes	Yes	Yes
17-2071	Electrical Engineers Electronics Engineers, Except Computer	63,377 78,358	100,316	123,988 112,464	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	+	Yes	Yes	Yes Yes
17-2072	Environmental Engineers	78,338 60,894	93.082	105,783	Yes	Yes	Yes	Bachelor's degree	_	Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	29,965	74,471	98.197	No	Yes	Yes	Bachelor's degree	_	No	No	No
17-2111	Industrial Engineers	59.769	94,373	110.502	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	63,450	97,138	117,969	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2131	Materials Engineers	66,583	98,403	121.405	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2141	Mechanical Engineers	59,518	94,791	112.847	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	75,752	106,481	108,086	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2161	Nuclear Engineers	78,943	113,781	123,320	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2171	Petroleum Engineers	65,412	127,798	153,320	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2199	Engineers, All Other	48,339	96,968	119,517	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
17-3011	Architectural and Civil Drafters	37,483	58,221	66,257	Yes	Yes	Yes	Associate's degree		No	No	No
17-3012	Electrical and Electronics Drafters	47,115	65,128	76,286	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3013	Mechanical Drafters	35,735	55,704	69,371	Yes	No	Yes	Associate's degree		No	No	Yes
17-3019	Drafters, All Other	35,122	54,280	62,802	Yes	No	No	Associate's degree		No	No	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	35,233	68,653	77,539	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	38,655	66,714	76,427	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	49,442	71,611	87,298	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3024 17-3025	Electro-Mechanical and Mechatronics Technologists and Technicians	44,747	69,287	78,261	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	31,181	45,451	49,676	No	No	No	Associate's degree	_	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	37,577 44,600	66,097 60.475	73,764 67,245	Yes	Yes	Yes	Associate's degree	_	No	Yes	Yes No
17-3027	Mechanical Engineering Technologists and Technicians Calibration Technologists and Technicians	35,840	76,638	81,274	Yes Yes	Yes Yes	Yes Yes	Associate's degree Associate's degree	_	Yes No	Yes Yes	Yes
17-3028	Engineering Technologists and Technicians, Except Drafters, All Other	35,735	69.597	86.070	Yes	Yes	Yes	Associate's degree	_	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	30,354	45.844	54.453	No.	No.	No.	Associate's degree	-	No.	No.	No.
19-1011	Animal Scientists	33,517	51,759	53,031	No	No	No	Master's degree		No	No	No
19-1012	Food Scientists and Technologists	49,411	80.678	108.170	Yes	Yes	Yes	Bachelor's degree		Yes	No	Yes
19-1013	Soil and Plant Scientists	38.790	80.841	100.825	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1021	Biochemists and Biophysicists	39,033	85,484	107,736	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-1022	Microbiologists	37,853	61,484	75,953	Yes	Yes	Yes	Master's degree		No	No	No
19-1023	Zoologists and Wildlife Biologists	33,093	51,888	58,365	No	No	No	Master's degree		No	No	No
19-1029	Biological Scientists, All Other	42,494	62,116	84,635	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1031	Conservation Scientists	31,138	57,929	73,381	No	Yes	Yes	Bachelor's degree		No	No	No
19-1032	Foresters	36,296	65,348	89,981	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1041	Epidemiologists	63,115	83,174	102,830	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-1042	Medical Scientists, Except Epidemiologists	56,625	95,534	116,729	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-1099	Life Scientists, All Other	54,909	84,326	90,117	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19-2011	Astronomers	75,828	155,102	217,574	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	Yes
19-2012	Physicists	124,625	215,839	217,574	Yes	Yes	Yes	Doctoral or professional degree	 	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	60,998	99,365	122,678	Yes	Yes	Yes	Bachelor's degree	\perp	Yes	Yes	Yes
19-2031	Chemists	37,045	65,245	83,900	Yes	Yes	Yes	Bachelor's degree	+	No	No	No
19-2032 19-2041	Materials Scientists Environmental Scientists and Specialists, Including Health	99,107	125,611	135,370	Yes	Yes	Yes	Bachelor's degree	+	Yes	Yes	Yes
19-2041	Geoscientists, Except Hydrologists and Geographers	37,565 44,809	67,013 87,499	79,435 103,168	Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	+	No No	No No	No No
19-2042	Hydrologists Hydrologists	44,809 41.463	87,499 65.122	103,168 83.095	Yes Yes	Yes	Yes	Bachelor's degree Bachelor's degree	+	No No	No No	No No
19-2099	Physical Scientists, All Other	70,616	96,952	113,235	Yes	Yes	Yes	Bachelor's degree	+	Yes	Yes	Yes
19-3011	Economists	49.348	103.000	122.678	Yes	Yes	Yes	Master's degree	+	No.	Yes	Yes
19-3022	Survey Researchers	49,348 51,493	98,099	124,410	Yes	Yes	Yes	Master's degree Master's degree	+	No	Yes	Yes
19-3032	Industrial-Organizational Psychologists	72,450	124,683	150.877	Yes	Yes	Yes	Doctoral or professional degree	+	Yes	No	No
19-3033	Clinical and Counseling Psychologists	36,202	80,743	110,310	Yes	Yes	Yes	Doctoral or professional degree	+	No	No	No
19-3034	School Psychologists	36,417	66,789	75,609	Yes	Yes	Yes	Doctoral or professional degree	+	No	No	No
19-3039	Psychologists, All Other	63,481	106,565	119,517	Yes	Yes	Yes	Doctoral or professional degree	1 1	No	No	No
	Sociologists	28,569	57.139	49.497	No	Yes	No	Master's degree		No	No	No
19-3041	SOCIOLOGISTS											

Wages - Workforce Re May 2022	tegion 8	Annual W	ages (\$) by Occupat	ion	Wage Most	e or Evenode All C	Occupation Metric	1		Wage Meets	or Evenode Educat	tional Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu			R	epresentative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		arting Wage	Wage	Threshold
19-3091 19-3092	Anthropologists and Archeologists	46,996	75,888	94,370	Yes	Yes	Yes	Master's degree	N		No	No
19-3092	Geographers Historians	54,909 35.042	84,326 69.997	90,117 95,276	Yes Yes	Yes Yes	Yes Yes	Master's degree	Ye		Yes	No No
19-3093	Political Scientists	37,437	93.495	126.931	Yes	Yes	Yes	Master's degree Master's degree	N	-	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	58,032	85,305	100,526	Yes	Yes	Yes	Bachelor's degree	Ye		No	No
19-4012	Agricultural Technicians	29.251	38.907	45.166	No	No	No	Associate's degree	N		No	No.
19-4013	Food Science Technicians	34,840	67,172	75,244	No	Yes	Yes	Associate's degree	N		Yes	Yes
19-4021	Biological Technicians	31,080	47,827	58,157	No	No	No	Bachelor's degree	N	D	No	No
19-4031	Chemical Technicians	34,616	44,488	48,478	No	No	No	Associate's degree	N	D	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	29,182	43,419	50,938	No	No	No	Associate's degree	N	0	No	No
19-4043	Geological Technicians, Except Hydrologic Technicians	30,818	39,627	43,297	No	No	No	Associate's degree	N		No	No
19-4044	Hydrologic Technicians	29,174	54,167	58,470	No	No	No	Associate's degree	N		No	No
19-4051 19-4061	Nuclear Technicians	38,060	61,821	78,476	Yes	Yes	Yes	Associate's degree	N		Yes	Yes
19-4061	Social Science Research Assistants Forest and Conservation Technicians	30,714 32,417	39,311 44,344	47,765 50.690	No No	No No	No No	Bachelor's degree	N N		No No	No No
19-4071	Forensic Science Technicians	31,246	53,532	63,190	No	No	No	Associate's degree Bachelor's degree	N		No	No
19-4092	Life, Physical, and Social Science Technicians, All Other	32,053	50,516	60.195	No.	No	No	Bachelor's degree	N		No	No.
19-5011	Occupational Health and Safety Specialists	41,600	73,370	93,844	Yes	Yes	Yes	Bachelor's degree	N		No	No
19-5012	Occupational Health and Safety Technicians	44,234	61,591	60,727	Yes	Yes	No	Postsecondary nondegree award	Ye		Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	30,024	50,439	62,684	No	No	No	Master's degree	N		No	No
21-1013	Marriage and Family Therapists	33,384	42,806	47,810	No	No	No	Master's degree	N	0	No	No
21-1015	Rehabilitation Counselors	24,501	42,102	43,243	No	No	No	Master's degree	N		No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	30,992	50,827	61,375	No	No	No	Bachelor's degree	N	D	No	No
21-1019	Counselors, All Other	30,227	40,072	46,147	No	No	No	Master's degree	N		No	No
21-1021	Child, Family, and School Social Workers	35,318	48,759	59,183	Yes	No	No	Bachelor's degree	N		No	No
21-1022	Healthcare Social Workers	33,273	55,418	63,583	No	No	No	Master's degree	N		No	No
21-1023	Mental Health and Substance Abuse Social Workers	32,785	46,581	50,746	No	No	No	Bachelor's degree	N		No	No
21-1029	Social Workers, All Other	34,507	52,981	62,378	No	No	No	Bachelor's degree	N		No	No
21-1091 21-1092	Health Education Specialists	30,098	50,348	59,085	No	No	No	Bachelor's degree	N		No	No
21-1092	Probation Officers and Correctional Treatment Specialists Social and Human Service Assistants	33,280 28,069	42,255 38.718	48,155 43,660	No No	No	No No	Bachelor's degree	N		No No	No No
21-1093	Community Health Workers	30.884	47.486	59.030	No No	No No	No	Some college, no degree Bachelor's degree	N N	-	No	No No
21-1099	Community and Social Service Specialists, All Other	31.030	51.897	49,538	No	No	No.	Bachelor's degree	N		No	No
21-2011	Clergy	26,986	53,268	61.654	No	No	No	Master's degree	N N		No	No
21-2021	Directors, Religious Activities and Education	27,337	53,837	73,056	No	No	Yes	Bachelor's degree	N		No	No
21-2099	Religious Workers, All Other	29,812	47,474	59,651	No	No	No	Bachelor's degree	N		No	No
23-1011	Lawyers	62,895	129,881	149,990	Yes	Yes	Yes	Doctoral or professional degree	N	0	No	No
23-1012	Judicial Law Clerks	36,376	55,143	61,830	Yes	No	No	Doctoral or professional degree	N	D	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	39,520	79,933	113,235	Yes	Yes	Yes	Doctoral or professional degree	N	D	No	No
23-1022	Arbitrators, Mediators, and Conciliators	48,984	61,631	62,920	Yes	Yes	No	Bachelor's degree	Ye		No	No
23-1023	Judges, Magistrate Judges, and Magistrates	41,506	91,227	113,284	Yes	Yes	Yes	Doctoral or professional degree	N		No	No
23-2011	Paralegals and Legal Assistants	38,118	57,183	64,560	Yes	Yes	Yes	Associate's degree	N		No	No
23-2093	Title Examiners, Abstractors, and Searchers	36,445	53,316	59,686	Yes	No	No	High school diploma or equivalent	Ye		Yes	Yes
25-1011	Legal Support Workers, All Other Business Teachers, Postsecondary	33,010 47.628	72,449 74.963	87,110 97.066	No Yes	Yes	Yes Yes	Associate's degree	N N		Yes No	Yes No
25-1011	Computer Science Teachers, Postsecondary	47,457	84,791	98,975	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	N		No	No
25-1021	Mathematical Science Teachers, Postsecondary	46,705	70.826	77.342	Yes	Yes	Yes	Doctoral or professional degree	N		No	No
25-1022	Architecture Teachers, Postsecondary	37,778	100,241	125,685	Yes	Yes	Yes	Doctoral or professional degree	N		No	No
25-1032	Engineering Teachers, Postsecondary	50,749	73,833	85.863	Yes	Yes	Yes	Doctoral or professional degree	N		No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	43,745	60,691	73,793	Yes	Yes	Yes	Doctoral or professional degree	N		No	No
25-1042	Biological Science Teachers, Postsecondary	53,006	84,648	95,738	Yes	Yes	Yes	Doctoral or professional degree	N		No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	43,745	60,691	73,793	Yes	Yes	Yes	Doctoral or professional degree	N		No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	48,006	61,168	62,337	Yes	Yes	No	Doctoral or professional degree	N	0	No	No
25-1052	Chemistry Teachers, Postsecondary	40,382	71,224	63,805	Yes	Yes	No	Doctoral or professional degree	N		No	No
25-1053	Environmental Science Teachers, Postsecondary	43,355	70,474	87,859	Yes	Yes	Yes	Doctoral or professional degree	N		No	No
25-1054	Physics Teachers, Postsecondary	51,732	52,362	51,953	Yes	No	No	Doctoral or professional degree	N		No	No
25-1061 25-1062	Anthropology and Archeology Teachers, Postsecondary	45,575	83,041	97,564	Yes	Yes	Yes	Doctoral or professional degree	N		No	No
	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	47,336	65,266	74,932	Yes	Yes	Yes	Doctoral or professional degree	N		No	No
25-1063 25-1064	Economics Teachers, Postsecondary	47,676	55,725	54,032 60,682	Yes	No	No No	Doctoral or professional degree	N		No	No
25-1064	Geography Teachers, Postsecondary Political Science Teachers, Postsecondary	45,575 44,222	62,629 62,268	57.499	Yes Yes	Yes Yes	No No	Doctoral or professional degree Doctoral or professional degree	N N		No No	No No
25-1066	Psychology Teachers, Postsecondary	44,656	75,490	80,095	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	N		No	No
25-1067	Sociology Teachers, Postsecondary	46,645	75,490 98.226	117.314	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	N N		No	No No
25-1069	Social Sciences Teachers, Postsecondary, All Other	47,169	60,021	59,578	Yes	Yes	No	Doctoral or professional degree	N		No	No
25-1071	Health Specialties Teachers, Postsecondary	48,692	97,331	101,183	Yes	Yes	Yes	Bachelor's degree	N		Yes	No
25-1072	Nursing Instructors and Teachers, Postsecondary	47,542	77,163	85,009	Yes	Yes	Yes	Master's degree	N	D	No	No
25-1081	Education Teachers, Postsecondary	47,221	71,911	83,235	Yes	Yes	Yes	Doctoral or professional degree	N	0	No	No
25-1082	Library Science Teachers, Postsecondary	47,190	72,285	79,653	Yes	Yes	Yes	Doctoral or professional degree	N		No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	45,739	57,963	59,835	Yes	Yes	No	Doctoral or professional degree	N		No	No
	Law Teachers, Postsecondary	57,437	172,167	203,480	Yes	Yes	Yes	Doctoral or professional degree	N		Yes	Yes
25-1112		59,669	68,440	75,205	Yes	Yes	Yes	Doctoral or professional degree	N		No	No
25-1112 25-1113	Social Work Teachers, Postsecondary											No
25-1112 25-1113 25-1121	Art, Drama, and Music Teachers, Postsecondary	48,694	78,569	75,600	Yes	Yes	Yes	Master's degree	N		No	
25-1112 25-1113 25-1121 25-1122	Art, Drama, and Music Teachers, Postsecondary Communications Teachers, Postsecondary	48,694 39,340	70,843	78,880	Yes	Yes	Yes	Doctoral or professional degree	N	0	No	No
25-1112 25-1113 25-1121 25-1122 25-1123	Art, Drama, and Music Teachers, Postsecondary Communications Teachers, Postsecondary English Language and Literature Teachers, Postsecondary	48,694 39,340 47,854	70,843 67,721	78,880 79,051	Yes Yes	Yes Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree	N N	0	No No	No No
25-1112 25-1113 25-1121 25-1122 25-1123 25-1124	Art, Drama, and Music Teachers, Postsecondary Communications Teachers, Postsecondary English Language and Literature Teachers, Postsecondary Foreign Language and Literature Teachers, Postsecondary	48,694 39,340 47,854 38,642	70,843 67,721 65,042	78,880 79,051 78,827	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Doctoral or professional degree Doctoral or professional degree Doctoral or professional degree	N N N	0	No No No	No No No
25-1112 25-1113 25-1121 25-1122 25-1123	Art, Drama, and Music Teachers, Postsecondary Communications Teachers, Postsecondary English Language and Literature Teachers, Postsecondary	48,694 39,340 47,854	70,843 67,721	78,880 79,051	Yes Yes	Yes Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree	N N	0	No No	No No

Wages - Workforce Re Way 2022	egion 8	Annual W	ages (\$) by Occupat	tion	Waga Maa	ts or Evenode All (Occupation Metric			Wage Mosts	or Evenade Educat	ional Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	42,878	73,161	77,171	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1194 25-1199	Career/Technical Education Teachers, Postsecondary Postsecondary Teachers, All Other	35,680 37,783	57,644 62,391	75,918 75,922	Yes	Yes	Yes Yes	Master's degree	\perp	No No	No No	No No
25-1199 25-2011	Preschool Teachers, Except Special Education	37,783 22,966	29.646	75,922 31.179	Yes No	Yes No	Yes No	Doctoral or professional degree Associate's degree	+	No	No No	No No
25-2011	Kindergarten Teachers, Except Special Education	44,394	29,646 55.110	64,925	Yes	No	Yes	Bachelor's degree	1 1	No	No	No
25-2021	Elementary School Teachers, Except Special Education	47.032	63,414	74,683	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	38,009	60,069	73,324	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	60,601	70,230	72,966	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	No	No
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	47,811	65,947	74,670	Yes	Yes	Yes	Bachelor's degree	ΙÍ	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	48,610	68,352	77,613	Yes	Yes	Yes	Bachelor's degree	l í	No	No	No
25-2051	Special Education Teachers, Preschool	29,380	42,081	47,639	No	No	No	Bachelor's degree		No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	42,085	62,663	74,629	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2057	Special Education Teachers, Middle School	30,755	59,325	65,187	No	Yes	Yes	Bachelor's degree	1	No	No	No
25-2058	Special Education Teachers, Secondary School	48,608	69,456	74,672	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
25-2059	Special Education Teachers, All Other	30,800	55,616	68,224	No	No	Yes	Bachelor's degree	\perp	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	25.000	52.410	74.069		No		8 1 1 1 1			No	
25-3011	Self-Enrichment Teachers	35,809 22,429	52,410 40.697	74,069 51,012	Yes No	No No	Yes No	Bachelor's degree Some college, no degree	+	No No	No No	No Yes
25-3021	Substitute Teachers, Short-Term	22,429	40,697	36,933	No	No	No No	Bachelor's degree	+	No	No	No No
25-3041	Tutors	25,839	50,281	75,356	No	No	Yes	Bachelor's degree	1 1	No	No	No
25-3099	Teachers and Instructors, All Other	23,854	51,971	60,475	No	No	No	Bachelor's degree	1	No	No	No
25-4011	Archivists	28,589	45,779	54,666	No	No	No	Master's degree	1 1	No	No	No
25-4012	Curators	35,875	55,638	65,487	Yes	No	Yes	Master's degree	1 1	No	No	No
25-4013	Museum Technicians and Conservators	35,045	45,345	49,684	Yes	No	No	Bachelor's degree	ΙÍ	No	No	No
25-4022	Librarians and Media Collections Specialists	43,959	55,901	65,977	Yes	No	Yes	Master's degree	l i	No	No	No
25-4031	Library Technicians	28,080	38,495	37,225	No	No	No	Associate's degree		No	No	No
25-9021	Farm and Home Management Educators	28,667	46,120	56,710	No	No	No	Master's degree		No	No	No
25-9031	Instructional Coordinators	37,981	64,590	76,825	Yes	Yes	Yes	Master's degree		No	No	No
25-9044	Teaching Assistants, Postsecondary	22,388	33,546	43,281	No	No	No	Bachelor's degree	1	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	22,754	30,196	29,470	No	No	No	Some college, no degree	\perp	No	No	No
25-9099 27-1011	Educational Instruction and Library Workers, All Other Art Directors	20,800	50,522	63,349	No	No	No	Bachelor's degree	1 1	No	No	No
27-1011	Craft Artists	56,762 20.694	95,938 33.417	102,727 38.537	Yes No	Yes	Yes No	Bachelor's degree Some college, no degree		Yes No	Yes	No No
27-1012	Fine Artists, Including Painters, Sculptors, and Illustrators	26,650	57,371	68.667	No	Yes	Yes	Bachelor's degree		No	No	No No
27-1013	Special Effects Artists and Animators	39.770	60.758	70.958	Yes	Yes	Yes	Bachelor's degree	+	No	No	No
27-1019	Artists and Related Workers, All Other	27,053	55,929	89,939	No	No	Yes	Some college, no degree	1	No	Yes	Yes
27-1021	Commercial and Industrial Designers	22,674	64,230	81,973	No	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-1022	Fashion Designers	28,037	68,026	83,921	No	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-1023	Floral Designers	23,978	33,683	36,280	No	No	No	High school diploma or equivalent	ΙÍ	No	No	No
27-1024	Graphic Designers	36,221	56,226	63,353	Yes	No	No	Bachelor's degree	l í	No	No	No
27-1025	Interior Designers	32,068	60,970	76,244	No	Yes	Yes	Bachelor's degree	l i	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	26,162	35,429	39,226	No	No	No	Some college, no degree		No	No	No
27-1027	Set and Exhibit Designers	37,531	52,651	54,563	Yes	No	No	Bachelor's degree		No	No	No
27-1029	Designers, All Other	29,582	107,960	85,066	No	Yes	Yes	Bachelor's degree	1	No	Yes	No
27-2011	Actors	29,319	33,436	31,236	No	No	No	Some college, no degree	1	No	No	No
27-2012	Producers and Directors	37,478	71,927	83,704	Yes	Yes	Yes	Bachelor's degree	\perp	No	No	No
27-2021	Athletes and Sports Competitors Coaches and Scouts	24,715	63,057	62,706	No	Yes	No	Some college, no degree	1	No	Yes	Yes
27-2022 27-2023	Umpires, Referees, and Other Sports Officials	28,451 22.036	60,840 43,569	63,412 46,609	No No	Yes No	No No	Bachelor's degree		No No	No No	No No
27-2023	Dancers	29,319	33,436	31,236	No	No	No	Some college, no degree High school diploma or equivalent	+	No	No	No
27-2032	Choreographers	29,319	33,436	31,236	No	No.	No No	Some college, no degree	1 1	No	No	No
27-2041	Music Directors and Composers	32,656	67,813	82,662	No	Yes	Yes	Bachelor's degree	1	No	No	No
27-2042	Musicians and Singers	29.319	33,436	31,236	No	No	No	Some college, no degree	1 1	No	No	No
27-2091	Disc Jockeys, Except Radio	21,609	59,085	58,511	No	Yes	No	Bachelor's degree	1 1	No	No	No
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	21,609	59,085	58,511	No	Yes	No	Some college, no degree	ΙÍ	No	Yes	Yes
27-3011	Broadcast Announcers and Radio Disc Jockeys	21,221	44,510	53,769	No	No	No	Bachelor's degree	l i	No	No	No
27-3023	News Analysts, Reporters, and Journalists	31,547	60,934	65,160	No	Yes	Yes	Bachelor's degree		No	No	No
27-3031	Public Relations Specialists	36,152	64,959	75,909	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3041	Editors	37,596	67,051	78,614	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3042	Technical Writers	53,384	78,671	87,615	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
27-3043	Writers and Authors	38,245	52,752	62,094	Yes	No	No	Bachelor's degree	1 1	No	No	No
27-3091 27-3092	Interpreters and Translators Court Reporters and Simultaneous Captioners	32,114	55,032	72,800 61,936	No No	No	Yes	Bachelor's degree	1 1	No	No	No
27-3092 27-3099	Court Reporters and Simultaneous Captioners Media and Communication Workers, All Other	27,421 21.043	50,134 42,372	61,936 50,725	No No	No No	No No	Postsecondary nondegree award	1 - 1	No No	Yes No	Yes No
27-3099	Audio and Video Technicians	21,043	42,372 52.397	50,725 60.901	No No	No No	No No	Associate's degree Associate's degree	1 - 1	No No	No No	No No
27-4011	Broadcast Technicians	33,134 20,918	36,696	40.309	No No	No No	No No	Associate's degree Associate's degree	1 1	No No	No No	No No
27-4012	Sound Engineering Technicians	26,894	51,139	60,671	No	No	No	Associate's degree	1 1	No	No	No
27-4015	Lighting Technicians	29,192	47,969	59.037	No	No	No	Associate's degree	1 1	No	No	No
27-4021	Photographers	28,437	42,902	51,341	No	No	No	Some college, no degree	1 1	No	No	Yes
27-4031	Camera Operators, Television, Video, and Film	22,886	51,810	64,974	No	No	Yes	Bachelor's degree	1 1	No	No	No
27-4032	Film and Video Editors	30,621	50,793	61,784	No	No	No	Bachelor's degree	1 1	No	No	No
27-4099	Media and Communication Equipment Workers, All Other	25,678	51,826	75,026	No	No	Yes	Associate's degree	1 1	No	No	Yes
29-1011	Chiropractors	62,852	102,746	124,690	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
29-1021	Dentists, General	62,400	171,639	212,019	Yes	Yes	Yes	Doctoral or professional degree		No	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	51,133	221,264	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*
29-1023	Orthodontists	68,537	166,383	207,237	Yes	Yes	Yes	Doctoral or professional degree		No	Yes	Yes
29-1024	Prosthodontists	51,133	221,264	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*
29-1029	Dentists, All Other Specialists	50,930	146,314	194,459	Yes	Yes	Yes	Doctoral or professional degree		No	No	Yes

May 2022	egion 8	Annual M	ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All O	Accumpation Motric		Mag	Mosts or Evens	ds Educational Level Metric
лау 2022			Average Annual	High-Level Wage	Representative	Average Annu			Represen		ge Annual High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting V		
29-1031	Dietitians and Nutritionists	49,779	66,640	74,446	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1041	Optometrists	53,636	116,762	139,696	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051 29-1071	Pharmacists Physician Application	50,930	116,283 105.413	134,397 132.857	Yes	Yes	Yes	Doctoral or professional degree	No No	No	No
29-1071	Physician Assistants Podiatrists	37,211 40,703	142,738	184.004	Yes Yes	Yes	Yes Yes	Master's degree	No No	Yes No	Yes Yes
29-1122	Occupational Therapists	72,003	91,339	99,796	Yes	Yes	Yes	Doctoral or professional degree Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	58.154	92,656	101.468	Yes	Yes	Yes	Doctoral or professional degree	No	No	No No
29-1124	Radiation Therapists	69,545	85,707	98,020	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1125	Recreational Therapists	30,959	50,473	58,557	No	No	No	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	54,371	69,196	75,718	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	62,136	86,423	99,632	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	38,781	48,374	50,047	Yes	No	No	Master's degree	No	No	No
29-1129	Therapists, All Other	37,913	54,910	53,896	Yes	No	No	Bachelor's degree	No	No	No
29-1131	Veterinarians	66,315	113,698	133,348	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	61,973	78,473	82,042	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151 29-1161	Nurse Anesthetists	165,765	195,490	215,758	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives Nurse Practitioners	61,441 81.200	95,091 115.501	109,235 128,586	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-11/1	Audiologists	77,667	112,972	183,407	Yes Yes	Yes	Yes Yes	Master's degree Doctoral or professional degree	Yes	Yes No	Yes Yes
29-1211	Anesthesiologists	220,999	354.914	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1212	Cardiologists	175,640	417,404	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1213	Dermatologists	60,614	253,055	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1214	Emergency Medicine Physicians	216,860	338,238	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	66,315	240,954	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1216	General Internal Medicine Physicians	118,744	318,858	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1217	Neurologists	90,867	267,442	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1218	Obstetricians and Gynecologists	60,614	253,055	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1221	Pediatricians, General	177,319	238,577	231,893	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1222	Physicians, Pathologists	64,288	156,953	*	Yes	Yes	Yes*	Doctoral or professional degree	No	No	Yes*
29-1223 29-1224	Psychiatrists	54,971	222,291		Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1224	Radiologists Physicians, All Other	81,927 127.936	315,989 276,549	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1241	Ophthalmologists, Except Pediatric	98.896	276,549	*	Yes Yes	Yes Yes	Yes* Yes*	Doctoral or professional degree Doctoral or professional degree	Yes Yes	Yes Yes	Yes* Yes*
29-1242	Orthopedic Surgeons, Except Pediatric	63,271	311,907	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1243	Pediatric Surgeons	63,271	311,907	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1249	Surgeons, All Other	225,781	798.051	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1291	Acupuncturists	28,229	49,215	53,138	No	No	No	Master's degree	No	No	No
29-1292	Dental Hygienists	59,331	78,551	82,695	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1299	Healthcare Diagnosing or Treating Practitioners, All Other	66,206	87,643	100,526	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-2010	Clinical Laboratory Technologists and Technicians	30,974	56,404	71,826	No	No	Yes	Associate's degree	No	No	Yes
29-2031	Cardiovascular Technologists and Technicians	30,434	57,327	77,298	No	Yes	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	62,191	75,119	79,713	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	65,961	82,832	93,813	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	44,051	61,618	73,167	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	49,121	71,217	79,112	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2036 29-2042	Medical Dosimetrists Emergency Medical Technicians	98,333 27,658	124,401 33,090	138,291 36,777	Yes No	Yes No	Yes No	Postsecondary nondegree award Postsecondary nondegree award	Yes No	Yes No	Yes No
29-2042	Paramedics	38,558	49,982	48,218	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
29-2051	Dietetic Technicians	23,226	30.966	33.632	No.	No.	No.	Associate's degree	No.	No	No.
29-2052	Pharmacy Technicians	30,320	38,872	43,182	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	28,508	36.266	37,731	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	39,054	51,850	60,550	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	28,648	37,573	45,098	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	28,963	41,419	47,547	No	No	No	Postsecondary nondegree award	No	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	40,118	51,779	57,100	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2072	Medical Records Specialists	31,282	46,301	50,913	No	No	No	Postsecondary nondegree award	No	No	No
29-2081	Opticians, Dispensing	30,304	48,241	58,936	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	48,670	91,621	114,636	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-2092	Hearing Aid Specialists	31,324	51,190	67,001	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
29-2099	Health Technologists and Technicians, All Other	30,318	44,937	49,213	No	No	No	Postsecondary nondegree award	No	No	No
29-9021 29-9091	Health Information Technologists and Medical Registrars Athletic Trainers	35,629 41.995	64,276 54.066	80,788 60.966	Yes	Yes	Yes No	Postsecondary nondegree award	Yes No	Yes	Yes
29-9091	Athletic Trainers Genetic Counselors	41,995 50,072	54,066 86,409	100.241	Yes Yes	No Yes	No Yes	Bachelor's degree Master's degree	No No	No Yes	No Yes
29-9093	Surgical Assistants	29.463	45,052	61.550	No No	No	No	Postsecondary nondegree award	No No	No	Yes
29-9099	Healthcare Practitioners and Technical Workers, All Other	37,040	82,777	97,541	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	22,692	28,140	29,784	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	27,157	33,195	36,574	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	24,438	29,745	31,053	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	27,040	30,934	33,280	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	53,243	67,653	72,864	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
	Occupational Therapy Aides	29,144	54,530	66,503	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
31-2012		39,912	64,234	73,750	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
31-2012 31-2021	Physical Therapist Assistants										
31-2012 31-2021 31-2022	Physical Therapist Aides	22,622	30,623	32,959	No	No	No	Postsecondary nondegree award	No	No	No
31-2012 31-2021 31-2022 31-9011	Physical Therapist Aides Massage Therapists	22,622 30,334	47,594	50,544	No	No	No	Postsecondary nondegree award	No	Yes	No
31-2012 31-2021 31-2022 31-9011 31-9091	Physical Therapist Aides Massage Therapists Dental Assistants	22,622 30,334 38,099	47,594 45,026	50,544 47,312	No Yes	No No	No No	Postsecondary nondegree award Postsecondary nondegree award	No Yes	Yes No	No No
31-2012 31-2021 31-2022 31-9011	Physical Therapist Aides Massage Therapists	22,622 30,334	47,594	50,544	No	No	No	Postsecondary nondegree award	No	Yes	No

Wages - Workforce Re May 2022		Annual W	Vages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All O	ccupation Metric		Wage Me	ets or Exceeds Educa	tional Level Metric
, 2022			Average Annual	High-Level Wage	Representative	Average Annua			Representativ		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
31-9095	Pharmacy Aides	22,956	29,629	29,951	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	24,589	32,169	35,690	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	30,567	37,097	38,022	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	26,635	40,351	47,803	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	42,099	63,059	92,014	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	65,347	96,416	99,854	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	63,518	86,526	97,036	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1091	First-Line Supervisors of Security Workers	27,716	44,655	51,681	No	No	No	Bachelor's degree	No	No	No
33-1099	First-Line Supervisors of Protective Service Workers, All Other	40,674	60,195	68,090	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	41,267	55,594	64,462	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	44,607	59,887	62,362	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	54,179	89,095	100,581	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3011	Bailiffs	29,123	46,856	58,437	No	No	No	High school diploma or equivalent	No	Yes	Yes
33-3012	Correctional Officers and Jailers	38,188	51,344	61,790	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	46,010	89,897	137,613	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	26,321	28,540	28,706	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	30,871	34,512	35,702	No	No	No	High school diploma or equivalent	Yes	No	No
33-3051	Police and Sheriff's Patrol Officers	40,164	57,842	75,070	Yes	Yes	Yes	Associate's degree	No	No	Yes
33-3052	Transit and Railroad Police	58,131	72,226	59,280	Yes	Yes	No	Associate's degree	Yes	Yes	No
33-9011	Animal Control Workers	34,590	39,499	42,016	No	No	No	Postsecondary nondegree award	Yes	No	No
33-9021 33-9031	Private Detectives and Investigators	34,840	60,523 34,682	70,762 37,593	No No	Yes	Yes	Bachelor's degree	No	No	No
	Gambling Surveillance Officers and Gambling Investigators	27,615	,	,		No	No	High school diploma or equivalent	No	No	No
33-9032 33-9091	Security Guards	22,902	31,487	33,688	No	No	No	High school diploma or equivalent	No	No	No
	Crossing Guards and Flaggers	26,863	35,130	37,348	No	No	No	No formal educational credential	Yes	Yes	Yes
33-9092 33-9093	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	20,899	28,735	30,513	No	No	No	No formal educational credential	No	No	No
	Transportation Security Screeners	36,421	43,731	45,573	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-9094	School Bus Monitors	22,398	27,140	28,299	No	No	No	High school diploma or equivalent	No	No	No
33-9099	Protective Service Workers, All Other	26,367	40,943	46,839	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	36,834	54,052	63,696	Yes	No	No	Associate's degree	No	No	No
35-1012 35-2011	First-Line Supervisors of Food Preparation and Serving Workers	28,216	39,012	45,660	No	No	No	High school diploma or equivalent	No	No	No
	Cooks, Fast Food	21,109	25,297	27,262	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	22,980	33,465	36,279	No	No	No	No formal educational credential	No	Yes	Yes
35-2013	Cooks, Private Household	31,489	57,294	70,601	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
35-2014	Cooks, Restaurant	27,971	32,728	35,020	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	22,241	30,241	34,094	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	27,404	31,879	34,349	No	No	No	No formal educational credential	Yes	Yes	No
35-2021	Food Preparation Workers	23,871	30,943	34,736	No	No	No	No formal educational credential	No	No	Yes
35-3011	Bartenders	21,332	34,320	38,509	No	No	No	No formal educational credential	No	Yes	Yes
35-3023 35-3031	Fast Food and Counter Workers	22,047	25,121	27,245	No No	No	No	No formal educational credential	No	No	No
	Waiters and Waitresses	21,109	31,916	36,559		No	No	No formal educational credential	No	Yes	Yes
35-3041 35-9011	Food Servers, Nonrestaurant	23,200	28,757	31,313	No	No	No	No formal educational credential	No	No	No
35-9011 35-9021	Dining Room and Cafeteria Attendants and Bartender Helpers Dishwashers	21,285	27,795	30,380	No	No No	No No	No formal educational credential	No	No	No
35-9021		22,427	26,875	28,731	No			No formal educational credential	No	No	No
35-9099	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop Food Preparation and Serving Related Workers, All Other	21,426 23,131	28,783 28,135	29,368 28,742	No No	No No	No No	No formal educational credential	No No	No No	No No
37-1011		23,131	43,969	50.855	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	35,703	51,272	59,261	Yes	No No	No No	High school diploma or equivalent Some college, no degree	Yes	Yes	Yes
37-1012	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	22,673	29.922	33.010	No.	No	No	High school diploma or equivalent	No Yes	No	No
37-2011	Maids and Housekeeping Cleaners	23.114	28,693	30,308	No.	No.	No.	No formal educational credential	No.	No.	No.
37-2012	Building Cleaning Workers, All Other	23,790	28,693	32,317	No	No	No	No formal educational credential	No	No	No
37-2021	Pest Control Workers	30.417	41.046	46.229	No.	No.	No.	High school diploma or equivalent	No No	No	No.
37-3011	Landscaping and Groundskeeping Workers	28.164	33.252	36.228	No.	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	23,501	36,771	42,015	No.	No.	No.	High school diploma or equivalent	No.	No.	No.
37-3012	Tree Trimmers and Pruners	30,409	39,783	47,171	No	No	No	High school diploma or equivalent	No No	No	No
37-3019	Grounds Maintenance Workers, All Other	34.084	54,820	73.237	No	No	Yes	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	32,122	56,194	68.965	No.	No	Yes		Yes	Yes	Yes
010	First-Line Supervisors of Entertainment and Recreation Workers, Except	32,122	30,134	00,505	140	.40	.63	Some college, no degree	163	163	163
39-1014	Gambling Services	29,871	47,187	55.137	No	No	No	Some college, no degree	Yes	Yes	Yes
39-1022	First-Line Supervisors of Personal Service Workers	30,791	44,503	49,729	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	22,915	32,726	39.662	No.	No	No	High school diploma or equivalent	No No	No	No
39-2021	Animal Caretakers	23,499	30,003	30,496	No.	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	20,899	34.264	46.275	No.	No	No.		No No	No	No
39-3012	Gambling and Sports Book Writers and Runners	20,899	27.839	29.952	No	No No	No	High school diploma or equivalent High school diploma or equivalent	No No	No	No
39-3012	Gambling Service Workers, All Other	20,860	31.528	36.658	No No	No No	No	High school diploma or equivalent	No No	No No	No
39-3021	Motion Picture Projectionists	30,974	37,437	41.856	No No	No	No	No formal educational credential	Yes	Yes	Yes
39-3021	Ushers, Lobby Attendants, and Ticket Takers	21,072	24.898	27.556	No No	No	No	No formal educational credential	No No	No	No No
39-3091	Amusement and Recreation Attendants	21,333	27.105	29,208	No	No	No	No formal educational credential	No No	No	No
39-3092	Costume Attendants	25,172	40,435	47,054	No	No	No	High school diploma or equivalent	No	No	No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	25,172	29.467	30.670	No No	No No	No	High school diploma or equivalent	No No	No No	No
39-3099	Entertainment Attendants and Related Workers, All Other	22,670	28,219	28,268	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	31.801	45.448	50.919	No No	No	No	Associate's degree	No No	No	No
39-4012	Crematory Operators	30,253	38,556	46,081	No	No	No	High school diploma or equivalent	No	No	No
39-4012	Funeral Attendants	24.282	30,702	34.032	No.	No.	No.	High school diploma or equivalent	No.	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	35,047	56,951	73,594	Yes	Yes	Yes	Associate's degree	No	No	Yes
		22,356	33,513	37,537	No	No No	No No	Postsecondary nondegree award	No	No	No
											INU
39-5011	Barbers Hairdressers, Hairstylists, and Cosmetologists										
	Barroers Hairdressers, Hairstylists, and Cosmetologists Makeup Artists. Theatrical and Performance	23,011 36,668	34,803 42,606	36,517 37,787	No Yes	No No	No No	Postsecondary nondegree award Postsecondary nondegree award	No Yes	No No	No No

	- Workforce Region 8 22		Annual Wages (\$) by Occupation					1			
May 2022			ages (\$) by Occupat Average Annual	High-Level Wage	Representative	Average Annu	Occupation Metric		Representa	Meets or Exceeds Educ tive Average Ann	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wa		Threshold
			-			-		·			
39-5093	Shampooers	20,247	23,887	25,776	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	23,550	42,539	44,625	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	21,442	27,823	32,229	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	27,338	34,803	37,846	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	24,856	38,900	38,406	No	No	No	High school diploma or equivalent	No	No	No
39-9011 39-9031	Childcare Workers Exercise Trainers and Group Fitness Instructors	21,646 21,360	26,733 42,395	29,074 48,288	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
39-9032	Recreation Workers	21,360	42,395 32.786	48,288 36.094	No No	No	No	Postsecondary nondegree award Bachelor's degree	No No	No No	No No
39-9041	Residential Advisors	25,511	36,370	41,626	No	No	No	Some college, no degree	No	No	No
39-9099	Personal Care and Service Workers, All Other	20,800	32,637	32,503	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	29,459	49,950	57,855	No	No	No	Some college, no degree	No	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	47,500	96.899	108.071	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	22,104	26,621	28,522	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	20,665	32,395	33,563	No	No	No	No formal educational credential	No	Yes	No
41-2021	Counter and Rental Clerks	24,651	35,519	37,696	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	23,004	37,191	43,805	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	22,494	32,173	33,973	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	32,087	56,910	62,251	No	Yes	No	Some college, no degree	Yes	Yes	Yes
41-3021	Insurance Sales Agents	25,027	71,840	80,685	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	39,721	83,433	99,573	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	28,429	47,126	56,333	No	No	No	Some college, no degree	No	Yes	Yes
41 2001	Sales Representatives of Services, Except Advertising, Insurance, Financial	24.257	66.047	70 770	No	Voc	Voc	Pachalar's dagree	N-	N-	No
41-3091	Services, and Travel Sales Representatives, Wholesale and Manufacturing, Technical and Scientific	31,357	66,817	78,778	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	41 622	06.630	122.022	Vos	Voc	Voc	Pacholar's dograe	No.	Voc	Voc
41-4011	Sales Representatives, Wholesale and Manufacturing, Except Technical and	41,632	96,630	123,022	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Scientific Products	34.810	72.400	85.075	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	23.306	41.089	43.083	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models	21,395	31,811	34,205	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	32,139	71,738	79,151	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9022	Real Estate Sales Agents	30,159	60.980	61.276	No.	Yes	No.	Postsecondary nondegree award	No.	Yes	Yes
41-9031	Sales Engineers	51,583	122.496	159.598	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	23,378	31.473	32.345	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	30,381	45.334	51,660	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	21,606	40.483	47.361	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	38.034	64,769	76,922	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	24,446	31,757	34,609	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	25.367	30.477	33,368	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	22,403	46,035	57,471	No	No	No	High school diploma or equivalent	No	No	Yes
43-3011	Bill and Account Collectors	31,306	38,761	40,672	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	31,937	41,353	45,417	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	31,018	46,450	51,346	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	21,600	31,197	37,116	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	34,478	45,840	50,699	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	33,075	44,084	49,982	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	29,461	37,332	38,966	No	No	No	High school diploma or equivalent	No	No	No
43-3099	Financial Clerks, All Other	37,092	55,323	63,459	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	37,067	53,581	60,343	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	32,550	36,356	39,520	No	No	No	High school diploma or equivalent	Yes	No	No
43-4031 43-4041	Court, Municipal, and License Clerks	32,094	39,070	40,845	No	No	No	Some college, no degree	Yes	No	No
43-4041 43-4051	Credit Authorizers, Checkers, and Clerks	32,402	48,196	53,908	No	No	No	Some college, no degree	Yes	Yes	Yes
	Customer Service Representatives	28,269	39,731	44,990	No	No	No	High school diploma or equivalent	No	No	No
43-4061 43-4071	Eligibility Interviewers, Government Programs File Clerks	30,014 26.348	46,594 35,651	57,803 39,290	No No	No No	No No	High school diploma or equivalent	No No	Yes No	Yes No
43-40/1	Hotel, Motel, and Resort Desk Clerks	26,348	29,059	39,290 29.805	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No No	No No	No No
43-4081	Interviewers, Except Eligibility and Loan	24,268 30.921	29,059 37.963	29,805 41.018	No No	No No	No No		Yes	No No	No No
43-4111	Library Assistants, Clerical	23,115	37,963	41,018 36,318	No No	No No	No No	High school diploma or equivalent Some college, no degree	Yes No	No No	No No
43-4131	Loan Interviewers and Clerks	37,115	50,752	60.785	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	37,371	42,988	46,553	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	28,230	37,017	40,628	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	34.156	44.032	50.423	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	24,370	32,762	36,485	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	25,713	41,919	49,350	No	No	No	High school diploma or equivalent	No	No	No
43-4199	Information and Record Clerks, All Other	30,967	43,401	49,650	No	No	No	High school diploma or equivalent	Yes	No	No
43-5011	Cargo and Freight Agents	32,657	49,256	58,025	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	24,881	32,347	34,686	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	32,262	43,121	46,687	No	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	31,028	45,262	50,690	No	No	No	High school diploma or equivalent	Yes	No	No
43-5041	Meter Readers, Utilities	29,966	52,277	76,374	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
43-5051	Postal Service Clerks	39,770	55,837	68,307	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	39,645	56,389	71,344	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	38,584	52,189	67,163	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	33,075	52,056	62,345	No	No	No	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	28,400	39,308	46,070	No	No	No	High school diploma or equivalent	No	No	No
		30.155	39.372	45,760	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	,									
43-5111 43-6011	Executive Secretaries and Executive Administrative Assistants	35,250	58,469	72,843	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-5111		,							Yes Yes Yes		Yes Yes No

Wages - Workforce Region 8

Nages - Workforce Re Nay 2022	v ·	Annu	al Wages (\$) by Occupa	tion		Wage Meets	or Exceeds All Occu	pation Metric		Wage N	leets or Exceeds Educatio	nal Level Metric
•		Representative	Average Annual	High-Level Wage	Rep	presentative	Average Annual	High-Level Wage		Representat	ve Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Star	arting Wage	Wage	Threshold	Educational Requirement	Starting Wag	ge Wage	Threshold
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	28,280	40,063	46,967	No)	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	27,715	38,101	42,879	No		No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	23,313	33,230	38,305	No		No	No	High school diploma or equivalent	No	No	No
43-9031 43-9041	Desktop Publishers	31,462	45,862	50,232	No		No	No	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	30,025	43,114	47,172	No		No	No	High school diploma or equivalent	No	No No	No
43-9061	Mail Clerks and Mail Machine Operators, Except Postal Service Office Clerks, General	23,690 27.181	33,123 40.337	37,634 46,774	No No		No No	No No	High school diploma or equivalent	No No	No No	No No
43-9071	Office Machine Operators, Except Computer	24,632	40,337	59,977	No		No	No	High school diploma or equivalent High school diploma or equivalent	No	No	Yes
43-9081	Proofreaders and Copy Markers	28,526	34,267	35.395	No		No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	35,287	42,891	47,686	Yes		No	No	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	28,886	41,861	46,039	No		No	No	Some college, no degree	No	No	No
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	35,734	56,699	75,403	Yes		Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	31,200	35,684	34,677	No)	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	26,330	36,259	38,352	No)	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	20,859	26,238	27,230	No)	No	No	No formal educational credential	No	No	No
45-2091	Agricultural Equipment Operators	35,939	43,083	47,919	Yes	S	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	21,981	28,902	31,133	No		No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	26,423	34,799	35,399	No		No	No	No formal educational credential	Yes	Yes	Yes
45-2099	Agricultural Workers, All Other	20,909	34,731	40,805	No		No	No	No formal educational credential	No	Yes	Yes
45-3031	Fishing and Hunting Workers	26,058	35,003	41,895	No		No	No	No formal educational credential	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	31,859	41,136	48,534	No		No	No	Postsecondary nondegree award	No	No	No
45-4021	Fallers	38,109	45,273	51,201	Yes		No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	28,568	46,862	64,783	No		No	Yes	High school diploma or equivalent	No	Yes	Yes
45-4023 45-4029	Log Graders and Scalers	21,726	25,610	26,642	No		No	No No	High school diploma or equivalent	No	No	No
45-4029 47-1011	Logging Workers, All Other	40,503	43,891	45,438	Yes		No	No	High school diploma or equivalent	Yes	No	No
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	45,116	67,005	78,664	Yes		Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers Brickmasons and Blockmasons	20,247 30,148	45,604 43,206	55,484 49,306	No No		No No	No No	High school diploma or equivalent	No No	No No	Yes No
47-2021	Stonemasons Stonemasons	29.149	43,206	49,306 58.977	No		No	No	High school diploma or equivalent High school diploma or equivalent	No	No	Yes
47-2022	Carpenters	35.682	45,650	49.753	Yes		No	No	Postsecondary nondegree award	Yes	No	No
47-2031	Carpet Installers	31,616	42,243	44,113	No		No	No	No formal educational credential	Yes	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	36.814	46,350	52.552	Yes		No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	23,644	38,303	47.706	No		No	No	No formal educational credential	No	Yes	Yes
47-2044	Tile and Stone Setters	30,673	44.024	47,913	No		No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	29,299	42,016	47,102	No		No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	34,196	50,558	56,243	No		No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	27,891	37.898	41,600	No		No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	29,029	39,411	45,272	No)	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators	32,554	50,011	54,648	No		No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	31,659	44,147	48,230	No)	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	22,185	37,581	47,081	No)	No	No	No formal educational credential	No	Yes	Yes
47-2082	Tapers	36,031	64,945	85,085	Yes	s	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-2111	Electricians	37,128	51,394	59,086	Yes	s	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	29,134	43,964	50,938	No)	No	No	High school diploma or equivalent	No	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	28,080	41,727	48,774	No)	No	No	High school diploma or equivalent	No	No	No
47-2132	Insulation Workers, Mechanical	31,701	43,612	50,014	No		No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	30,950	41,139	46,930	No		No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	28,861	35,996	43,346	No		No	No	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	35,300	42,153	45,856	Yes		No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	36,750	49,537	57,735	Yes		No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	28,765	42,723	47,461	No		No	No	No formal educational credential	Yes	Yes	Yes
47-2171 47-2181	Reinforcing Iron and Rebar Workers	34,312 27,990	45,682	53,625 47,965	No		No	No	High school diploma or equivalent	Yes	No	Yes
47-2181 47-2211	Roofers Sheet Metal Workers	27,990 30,595	41,729 47,199	47,965 55,810	No No		No No	No No	No formal educational credential	Yes No	Yes Yes	Yes Yes
47-2211	Structural Iron and Steel Workers	35,889		61,949			No	No	High school diploma or equivalent	_		
47-2231	Solar Photovoltaic Installers	34,585	52,114 42,314	45,565	Yes No		No	No	High school diploma or equivalent High school diploma or equivalent	Yes	Yes No	Yes No
47-3011	HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	20,247	33,407	37.145	No		No	No	No formal educational credential	No	Yes	Yes
47-3012	HelpersCarpenters	26,043	32,519	35,229	No		No	No	No formal educational credential	Yes	Yes	Yes
47-3013	HelpersElectricians	29,973	35,506	37,472	No		No	No	High school diploma or equivalent	No	No	No
47-3014	HelpersPainters, Paperhangers, Plasterers, and Stucco Masons	29,184	31.745	32.075	No		No	No	No formal educational credential	Yes	Yes	No
47-3015	HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters	28,781	34,810	37.040	No		No	No	High school diploma or equivalent	No	No	No
47-3016	HelpersRoofers	29,085	35,286	37,505	No		No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	28,299	36,138	40,165	No		No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	38,188	60,311	72,800	Yes	S	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	48,443	88,176	102,501	Yes		Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	31,130	40,648	41,714	No		No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	32,075	39,591	44,554	No		No	No	High school diploma or equivalent	Yes	No	No
47-4051	Highway Maintenance Workers	27,040	34,732	37,621	No)	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	43,871	53,381	60,604	Yes	S	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	30,661	44,648	51,403	No)	No	No	High school diploma or equivalent	Yes	No	No
47-4090	Miscellaneous Construction and Related Workers	31,495	44,365	47,993	No)	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas	33,300	48,154	59,514	No)	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	39,851	52,554	54,919	Yes	s	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	36,337	52,856	60,779	Yes		No	No	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	29,004	44,344	50,356	No		No	No	High school diploma or equivalent	No	No	No
47-5023	Earth Drillers, Except Oil and Gas	33,800	49,250	54,080	No		No	No	High school diploma or equivalent	Yes	Yes	Yes
47 5022	Explosives Workers, Ordnance Handling Experts, and Blasters	35,697	53,646	60,502	Yes	s	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-5032 47-5041	Continuous Mining Machine Operators	26.730	39.179	43.346	No		No	No	No formal educational credential	Yes	Yes	Yes

Nages - Workforce Re Nay 2022	egion o	Annual W	/ages (\$) by Occupat	tion	Wage Meet	s or Exceeds All C	Occupation Metric			Wage Meets	or Exceeds Educat	tional Level Metric
,			Average Annual	High-Level Wage	Representative	Average Annu				resentative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Star	ting Wage	Wage	Threshold
47-5043	Roof Bolters, Mining								L			
47-5044 47-5049	Loading and Moving Machine Operators, Underground Mining	34,896 34.896	39,510 39,510	43,813 43,813	No No	No No	No No	No formal educational credential No formal educational credential	Yes		Yes	Yes
47-5049 47-5051	Underground Mining Machine Operators, All Other Rock Splitters, Quarry	34,896 35.918	39,510 65.159	43,813 86.915	Yes	Yes	Yes	No formal educational credential No formal educational credential	Yes Yes		Yes	Yes Yes
47-5051	Roustabouts, Oil and Gas	32,861	45,456	60,520	No No	No	No No	No formal educational credential	Yes		Yes	Yes
47-5071	HelpersExtraction Workers	29.022	33.401	34.748	No	No	No	High school diploma or equivalent	No.		No	No No
47-5099	Extraction Workers, All Other	27,061	43,638	42,654	No	No	No	High school diploma or equivalent	No		No	No
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	43.104	72,304	83.997	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	31,123	39,920	44,507	No	No	No	Postsecondary nondegree award	No		No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	37,024	61,507	76,211	Yes	Yes	Yes	Associate's degree	No		Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	35,559	56,396	77,647	Yes	No	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-2091	Avionics Technicians	47,483	66,234	75,579	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	36,029	48,584	56,496	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	47,430	50,835	52,211	Yes	No	No	Postsecondary nondegree award	Yes		Yes	No
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	39,093	58,024	64,875	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	51,915	86,882	98,927	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	27,040	42,319	47,417	No	No	No	Postsecondary nondegree award	No		No	No
49-2097	Audiovisual Equipment Installers and Repairers	38,016	52,046	68,471	Yes	No	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-2098 49-3011	Security and Fire Alarm Systems Installers Aircraft Mechanics and Service Technicians	31,242 46,632	46,685 63,273	58,372 74,127	No	No	No	Postsecondary nondegree award	No		No	Yes
49-3021	Automotive Body and Related Repairers	36,198	48,738	49,910	Yes Yes	Yes No	Yes No	Associate's degree	Yes Yes		Yes	Yes No
49-3022	Automotive Body and Related Repairers Automotive Glass Installers and Repairers	35,198	46,738	49,910	Yes	No	No	Postsecondary nondegree award High school diploma or equivalent	Yes		No Yes	No
49-3022	Automotive Glass Installers and Repairers Automotive Service Technicians and Mechanics	28.918	45,040	54,976	No No	No	No	Postsecondary nondegree award	No.		No	Yes
49-3023	Bus and Truck Mechanics and Diesel Engine Specialists	28,918 37.380	45,078 56.603	67.853	Yes	Yes	Yes	Postsecondary nondegree award Postsecondary nondegree award	Yes		Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	30,107	46,344	48,203	No Yes	No Yes	No Yes	High school diploma or equivalent	No.		No Yes	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	37.647	56.093	65.163	Yes	No	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-3043	Rail Car Repairers	37,417	47.040	50.830	Yes	No	No	High school diploma or equivalent	Yes		Yes	No
49-3051	Motorboat Mechanics and Service Technicians	36,107	51,054	59,429	Yes	No	No	Postsecondary nondegree award	Yes		Yes	Yes
49-3052	Motorcycle Mechanics	34,494	49,347	62,684	No	No	No	High school diploma or equivalent	Yes		Yes	Yes
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	28,916	39,864	45,421	No	No	No	High school diploma or equivalent	No		No	No
49-3091	Bicycle Repairers	23,457	33,206	40,428	No	No	No	High school diploma or equivalent	No		No	No
49-3092	Recreational Vehicle Service Technicians	30,580	48,057	62,103	No	No	No	High school diploma or equivalent	No		Yes	Yes
49-3093	Tire Repairers and Changers	24,044	32,961	37,919	No	No	No	High school diploma or equivalent	No		No	No
49-9011	Mechanical Door Repairers	31,680	44,120	50,288	No	No	No	High school diploma or equivalent	Yes		No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	43,419	64,682	79,076	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	33,657	50,467	60,138	No	No	No	Postsecondary nondegree award	Yes		Yes	Yes
49-9031	Home Appliance Repairers	27,544	44,073	50,024	No	No	No	Postsecondary nondegree award	No		No	No
49-9041	Industrial Machinery Mechanics	37,725	56,720	66,057	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-9043	Maintenance Workers, Machinery	34,052	49,441	58,824	No	No	No	High school diploma or equivalent	Yes		Yes	Yes
49-9044	Millwrights	48,787	62,099	71,351	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	25,464	33,748	37,106	No	No	No	High school diploma or equivalent	No		No	No
49-9051	Electrical Power-Line Installers and Repairers	44,275	74,284	95,759	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-9052 49-9061	Telecommunications Line Installers and Repairers	34,068	49,836	57,264	No	No	No	Postsecondary nondegree award	Yes		Yes	Yes
49-9062	Camera and Photographic Equipment Repairers Medical Equipment Repairers	39,179 34,067	52,067 53,269	58,083 63,651	Yes No	No No	No No	Associate's degree	No No		No No	No No
49-9062	Musical Instrument Repairers Musical Instrument Repairers and Tuners	27,756	42,718	53,808	No No	No No	No No	Associate's degree	No No		No No	Yes
49-9063	Watch and Clock Repairers	20,800	42,718 38.652	44.232	No No	No	No	High school diploma or equivalent	No		No	No Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	49,130	60,902	66,040	Yes	Yes	Yes	High school diploma or equivalent High school diploma or equivalent	Yes		Yes	Yes
49-9071	Maintenance and Repair Workers, General	28,648	42,533	49,210	No.	No	No	High school diploma or equivalent	No		No	No
49-9081	Wind Turbine Service Technicians	47,015	66,308	76.869	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	27,975	40,962	49,101	No	No	No	High school diploma or equivalent	No		No	No
49-9092	Commercial Divers	39.345	51.078	52,541	Yes	No	No	Postsecondary nondegree award	Yes		Yes	No
49-9094	Locksmiths and Safe Repairers	30,906	43,642	47,834	No	No	No	High school diploma or equivalent	Yes		No	No
49-9095	Manufactured Building and Mobile Home Installers	21,279	30,088	38,070	No	No	No	High school diploma or equivalent	No		No	No
49-9096	Riggers	36,805	53,570	59,802	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
49-9097	Signal and Track Switch Repairers	46,013	61,655	69,618	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
49-9098	HelpersInstallation, Maintenance, and Repair Workers	25,894	34,175	36,878	No	No	No	High school diploma or equivalent	No		No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	29,216	41,192	45,392	No	No	No	High school diploma or equivalent	No		No	No
51-1011	First-Line Supervisors of Production and Operating Workers	38,522	66,112	79,324	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	36,011	50,697	62,548	Yes	No	No	Postsecondary nondegree award	Yes		Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	34,975	41,731	45,840	No	No	No	High school diploma or equivalent	Yes		No	No
	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders,											
51-2028	Tapers, and Finishers	24,680	39,688	45,289	No	No	No	High school diploma or equivalent	No		No	No
51-2031	Engine and Other Machine Assemblers	31,251	41,698	49,925	No	No	No	High school diploma or equivalent	Yes		No	No
51-2041	Structural Metal Fabricators and Fitters	31,505	43,176	49,180	No	No	No	High school diploma or equivalent	Yes		No	No
51-2051	Fiberglass Laminators and Fabricators	28,675	37,852	38,032	No	No	No	High school diploma or equivalent	No		No	No
51-2061	Timing Device Assemblers and Adjusters											
51-2090	Miscellaneous Assemblers and Fabricators	26,078	35,383	38,653	No	No	No	High school diploma or equivalent	No		No	No
51-3011	Bakers Butchers and Most Cutters	23,326	31,261	36,177	No No	No	No No	High school diploma or equivalent	No		No	No
51-3021	Butchers and Meat Cutters	28,559	37,351	43,449	No No	No	No	No formal educational credential	Yes		Yes	Yes
51-3022 51-3023	Meat, Poultry, and Fish Cutters and Trimmers	24,960	34,507 27.245	39,276	No No	No No	No No	No formal educational credential	Yes		Yes	Yes No
51-3023 51-3091	Slaughterers and Meat Packers Food and Tobasco Packing Paking and Daving Machine Operators and Tondors	25,912 26.447	27,245 37.392	28,277 47,460	No No	No No	No No	No formal educational credential	Yes		No	No Yes
51-3091 51-3092	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders Food Batchmakers	26,447	. ,	,				No formal educational credential	Yes		Yes	
51-3092	Food Cooking Machine Operators and Tenders	23,859	34,399 31,201	46,179 35,279	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No No		No No	No No
51-3099	Food Processing Workers, All Other	24,339	28,104	35,279 28,616	No No	No	No No	No formal educational credential	Yes		No No	No No
	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and	23,173	20,104	20,010	110	.40	NO	No totalial educational credential	163			.40
51-4021	Plastic	32,208	40,825	44,887	No	No	No	High school diploma or equivalent	Yes		No	No
022		32,200	40,023	44,007	1			on sensor diploma of equivalent	162			

Nages - Workforce Re Nay 2022	egion 8	Annual W	ages (\$) by Occupat	ion I	Wage Mee	ts or Exceeds All (Occupation Metric	1	Wage M	eets or Exceeds Educa	ational Level Metric
, 2022	'		Average Annual	High-Level Wage	Representative	Average Annu			Representativ		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage		Threshold
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	29,543	39,024	44,572	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	37,264	44,421	47,324	Yes	No	No	High school diploma or equivalent	Yes	No	No
	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and										
51-4031	Plastic	29,996	38,248	43,873	No	No	No	High school diploma or equivalent	No	No	No
	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and										
51-4032	Plastic	29,358	54,783	81,386	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
E4 4000	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and										
51-4033	Tenders, Metal and Plastic	25,854	32,906	35,826	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and	27.407	37.904	46.567	l	No	No				No
51-4034 51-4035	Plastic	27,197	,	,	No			High school diploma or equivalent	No	No	
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic Machinists	38,469 32,298	45,672	46,897	Yes	No No	No No	Postsecondary nondegree award	Yes	No	No
51-4041	Metal-Refining Furnace Operators and Tenders	32,298	48,392 48,602	57,235 49,507	No Yes	No No	No No	Postsecondary nondegree award	No Yes	Yes	Yes
51-4052	Pourers and Casters, Metal	29,056	45,429	55,094	No	No	No	High school diploma or equivalent	No No	Yes No	No Yes
51-4061	Model Makers, Metal and Plastic	32.181	50.685	58,988	No	No	No	High school diploma or equivalent High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	26,292	49,186	76,003	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-4071	Foundry Mold and Coremakers	23,761	38,709	55,108	No	No	No	High school diploma or equivalent	No.	No	Yes
31-40/1	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders,	23,701	30,703	33,100	NU	NO	NO	rigii scriooi dipionia di equivalent	INU	NO	162
51-4072	Metal and Plastic	25,288	37,521	40,217	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	29,540	41,104	47,172	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	43,877	63,317	79,971	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	32.330	46,308	53,095	No	No	No	Postsecondary nondegree award Postsecondary nondegree award	No.	No.	No No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	31,575	38,783	41,065	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders Metal and Plastic	24,296	39,695	46.139	No	No	No	High school diploma or equivalent	No.	No	No
51-4192	Layout Workers, Metal and Plastic	33,057	46,509	51,250	No	No	No	High school diploma or equivalent	Yes	No	No
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	36.160	45,302	55,286	Yes	No	No	High school diploma or equivalent	Yes	No	Yes
51-4194	Tool Grinders, Filers, and Sharpeners	26.807	35.870	37.865	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	29,152	42,627	49,378	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	33,847	45,594	49,323	No	No	No	Postsecondary nondegree award	Yes	No	No
51-5112	Printing Press Operators	24,888	38,557	48,464	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	27.224	38.597	45.644	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	22.272	27.067	29.324	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	23.467	28,669	29,476	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	21,541	30.520	34.825	No	No	No	No formal educational credential	No	No	Yes
51-6041	Shoe and Leather Workers and Repairers	22,933	32,103	36,240	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	26.350	38.070	45,039	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	21,463	29,007	29,572	No	No	No	No formal educational credential	No	No	No
51-6052	Tailors, Dressmakers, and Custom Sewers	29,041	36,338	37,690	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	22,466	26,905	27,499	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	28,148	34,163	36,925	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	26,866	30,896	33,641	No	No	No	High school diploma or equivalent	No	No	No
	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and										
51-6064	Tenders	22,651	32,697	37,164	No	No	No	High school diploma or equivalent	No	No	No
	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and										
51-6091	Glass Fibers	32,891	57,304	81,503	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	26,292	49,186	76,003	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6093	Upholsterers	26,422	39,836	44,890	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	26,632	33,261	37,096	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	30,924	42,325	48,642	No	No	No	High school diploma or equivalent	Yes	No	No
51-7021	Furniture Finishers	34,913	43,033	46,957	No	No	No	High school diploma or equivalent	Yes	No	No
51-7031	Model Makers, Wood	32,181	50,685	58,988	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	28,230	35,939	38,252	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	26,296	37,217	48,298	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	26,807	31,743	32,083	No	No	No	High school diploma or equivalent	No	No	No
51-8011	Nuclear Power Reactor Operators	47,259	74,562	94,400	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	62,544	88,896	96,275	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	42,718	80,816	96,496	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	62,202	65,889	68,890	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	36,823	58,701	73,403	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	40,727	60,331	65,315	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
51-8092 51-8093	Gas Plant Operators	32,912	50,267	63,480	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
	Petroleum Pump System Operators, Refinery Operators, and Gaugers	48,661	58,866	64,771	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other Chamical Equipment Operators and Tondors	32,674	66,597	105,768	No No	Yes	Yes	Postsecondary nondegree award	No No	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	29,390	51,670	52,039	No	No	No	High school diploma or equivalent	No	Yes	No
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,	24 200	20.576	40.054	No	No	No	High school diploms	Voc	No	No
51-9012 51-9021	Operators, and Tenders Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	31,200 32,414	39,576 42,580	49,651 49,360	No No	No No	No No	High school diploma or equivalent	Yes	No No	No No
51-9021 51-9022	Grinding and Polishing Workers, Hand	32,414 27,722	42,580 34,624	49,360 37,651	No No	No No	No No	High school diploma or equivalent No formal educational credential	Yes Yes	No Yes	No Yes
51-9022	Mixing and Blending Machine Setters, Operators, and Tenders	33.422	34,624 41.114	45,760	No No	No No	No No			Yes No	Yes No
51-9023	Cutters and Trimmers, Hand	33,422 21,366	41,114 34,711	45,760 38,994	No No	No No	No No	High school diploma or equivalent No formal educational credential	Yes No	Yes	No Yes
51-9031	Cutters and Trimmers, Hand Cutting and Slicing Machine Setters, Operators, and Tenders	29,952	42,929	50,148	No No	No No	No No	High school diploma or equivalent	No No	Yes No	Yes No
J1-3032	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and	25,532	42,323	30,146	140	140	NO	gii scriooi dipionia di equivalent	140	NO	NO
51-9041	Tenders	26.344	24 722	39.775	No	No	No	High school diploms or oquivalent	No	No	No
51-9041	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	26,344 30.784	34,722 40.057	39,775 49.615	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	Yes	No No	No No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	28.939	48,292	59,187	No	No	No	Postsecondary nondegree award	No No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	28,939	48,292	55,717	No	No	No	High school diploma or equivalent	No No	Yes	Yes
51-9081	Dental Laboratory Technicians	30,705	50,439	56,240	No	No	No	Postsecondary nondegree award	No	Yes	Yes
21 2001	Demai caparatory recilificans	30,703	30,433	30,240	140	.40	140	. ostoccondary nondegree award	NO	163	163

Wages - Workforce Region 8

May 2022	egion 8	Annus	al Wages (\$) by Occup	ation	1	Wage Meet	s or Exceeds All Occu	nation Metric		Wage	Meets or Exceeds	Education	al Level Metric
viay 2022		Representative	Average Annual	High-Level Wage		Representative	Average Annual	High-Level Wage		Representa			High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)		Starting Wage	Wage	Threshold	Educational Requirement	Starting W			Threshold
							-0-				00-		
51-9082	Medical Appliance Technicians	28,491	39,311	48,233		No	No	No	Postsecondary nondegree award	No	No		No
51-9083	Ophthalmic Laboratory Technicians	28,684	34,652	35,690		No	No	No	High school diploma or equivalent	No	No		No
51-9111	Packaging and Filling Machine Operators and Tenders	24,349	43,774	57,529		No	No	No	High school diploma or equivalent	No	No		Yes
51-9123	Painting, Coating, and Decorating Workers	23,464	35,549	42,471		No	No	No	High school diploma or equivalent	No	No		No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	30,613	43,702	48,897		No	No	No	High school diploma or equivalent	No	No		No
51-9141	Semiconductor Processing Technicians	37,067	46,645	49,468		Yes	No	No	High school diploma or equivalent	Yes	Yes		No
51-9151	Photographic Process Workers and Processing Machine Operators	22,787	34,458	37,106		No	No	No	High school diploma or equivalent	No	No		No
51-9161	Computer Numerically Controlled Tool Operators	30,345	42,611	48,052		No	No	No	Postsecondary nondegree award	No	No		No
51-9162	Computer Numerically Controlled Tool Programmers	38,965	59,888	69,008		Yes	Yes	Yes	Associate's degree	No	Yes		Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	29,137	37,720	46,448		No	No	No	High school diploma or equivalent	No	No		No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	24,573	32,917	38,327		No	No	No	High school diploma or equivalent	No	No		No
51-9193	Cooling and Freezing Equipment Operators and Tenders	26,876	44,543	47,444		No	No	No	High school diploma or equivalent	No	No		No
51-9194 51-9195	Etchers and Engravers	28,452	33,933	37,398		No	No	No	High school diploma or equivalent	No	No		No
	Molders, Shapers, and Casters, Except Metal and Plastic	28,934	38,624	40,763		No	No	No	High school diploma or equivalent	No	No		No
51-9196 51-9197	Paper Goods Machine Setters, Operators, and Tenders Tire Builders	35,633 28,268	48,880 36,580	56,324 39,530		Yes No	No No	No No	High school diploma or equivalent High school diploma or equivalent	Yes No	Yes No		Yes No
51-9197	HelpersProduction Workers	28,268	36,580	39,530		No	No.	No	9	No.	No No		No.
51-9198	Production Workers Production Workers, All Other	27,163	36,705	40,146		No No	No No	No No	High school diploma or equivalent	No No	No No		No No
53-1041	Aircraft Cargo Handling Supervisors	36,853	55,571	60,623		Yes	No No	No	High school diploma or equivalent	Yes			
33-1041	First-Line Supervisors of Transportation and Material Moving Workers, Except	30,833	55,5/1	00,023		res	INO	INO	High school diploma or equivalent	res	Yes		Yes
53-1047	Aircraft Cargo Handling Supervisors	37,417	60,227	73,358		Yes	Yes	Yes	Some college, no degree	Yes	Yes		Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	99,310	208,989	/3,330		Yes	Yes	Yes*	Bachelor's degree	Yes	Yes		Yes*
53-2012	Commercial Pilots	54,787	120,797	144,103		Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes		Yes
53-2021	Air Traffic Controllers	83.096	140.108	164,549		Yes	Yes	Yes	Associate's degree	Yes	Yes		Yes
53-2022	Airfield Operations Specialists	28,990	48,955	68.827		No.	No	Yes	Some college, no degree	No.	Yes		Yes
53-2031	Flight Attendants	49,353	76,146	78,768		Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes		Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	21,921	26,474	29,899		No	No	No	High school diploma or equivalent	No	No		No
53-3031	Driver/Sales Workers	21,131	32,994	40,311		No	No	No	High school diploma or equivalent	No	No		No
53-3032	Heavy and Tractor-Trailer Truck Drivers	34,581	51,656	60,627		No	No	No	Postsecondary nondegree award	Yes	Yes		Yes
53-3033	Light Truck Drivers	25,389	44.371	48.748		No	No	No	High school diploma or equivalent	No	No		No
53-3051	Bus Drivers, School	30,090	37.166	40.082		No	No	No	High school diploma or equivalent	No	No		No
53-3052	Bus Drivers, Transit and Intercity	29,064	37,636	36,169		No	No	No	High school diploma or equivalent	No	No		No
53-3053	Shuttle Drivers and Chauffeurs	23,786	34,490	35,832		No	No	No	High school diploma or equivalent	No	No		No
53-3054	Taxi Drivers	20,315	30,847	31,090		No	No	No	No formal educational credential	No	No		No
53-3099	Motor Vehicle Operators, All Other	22,318	29,600	31,200		No	No	No	High school diploma or equivalent	No	No		No
53-4011	Locomotive Engineers	55,085	66,912	72,285		Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes		Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	31,343	52,544	50,617		No	No	No	High school diploma or equivalent	Yes	Yes		No
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	34,388	41,659	42,637		No	No	No	High school diploma or equivalent	Yes	No		No
53-4031	Railroad Conductors and Yardmasters	61,684	69,627	72,333		Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes		Yes
53-4041	Subway and Streetcar Operators	28,443	40,649	51,055		No	No	No	High school diploma or equivalent	No	No		No
53-4099	Rail Transportation Workers, All Other	40,162	40,834	40,172		Yes	No	No	High school diploma or equivalent	Yes	No		No
53-5011	Sailors and Marine Oilers	36,957	45,425	47,764		Yes	No	No	High school diploma or equivalent	Yes	No		No
53-5021	Captains, Mates, and Pilots of Water Vessels	43,732	87,278	102,362		Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes		Yes
53-5022	Motorboat Operators	32,311	53,454	60,174		No	No	No	Postsecondary nondegree award	No	Yes		Yes
53-5031	Ship Engineers	75,390	99,267	113,883		Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes		Yes
53-6011	Bridge and Lock Tenders	23,439	31,188	35,412		No	No	No	High school diploma or equivalent	No	No		No
53-6021	Parking Attendants	21,390	27,884	29,730		No	No	No	No formal educational credential	No	No		No
53-6031	Automotive and Watercraft Service Attendants	27,100	31,781	35,875		No	No	No	No formal educational credential	Yes	Yes		Yes
53-6032	Aircraft Service Attendants	29,491	35,265	36,173		No	No	No	High school diploma or equivalent	No	No		No
53-6041	Traffic Technicians	30,006	52,165	63,806		No	No	No	Associate's degree	No	No		No
53-6051	Transportation Inspectors	36,802	70,534	94,491		Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes		Yes
53-6061	Passenger Attendants	21,235	28,752	35,526		No	No	No	High school diploma or equivalent	No	No		No
53-6099	Transportation Workers, All Other	20,800	30,938	39,814		No	No	No	High school diploma or equivalent	No	No		No
53-7011	Conveyor Operators and Tenders	25,990	33,291	40,563		No	No	No	No formal educational credential	Yes	Yes		Yes
53-7021	Crane and Tower Operators	38,051	62,504	75,742		Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes		Yes
53-7031	Dredge Operators	35,708	48,245	42,515		Yes	No	No	High school diploma or equivalent	Yes	Yes		No
53-7041	Hoist and Winch Operators	32,095	61,244	70,788	1	No	Yes	Yes	No formal educational credential	Yes	Yes		Yes
53-7051	Industrial Truck and Tractor Operators	30,651	41,972	47,371		No	No	No	No formal educational credential	Yes	Yes		Yes
53-7061	Cleaners of Vehicles and Equipment	22,067	30,011	32,813	1	No	No	No	No formal educational credential	No	No		No
53-7062 53-7063	Laborers and Freight, Stock, and Material Movers, Hand	26,803	35,935	36,843	1	No	No	No	No formal educational credential	Yes	Yes		Yes
53-7063 53-7064	Machine Feeders and Offbearers	28,857	41,039	46,915		No	No No	No	No formal educational credential	Yes	Yes		Yes
53-7064 53-7065	Packers and Packagers, Hand Stockers and Order Fillers	22,919	27,216	28,923		No	No	No	No formal educational credential	No	No		No
		27,413	34,039	34,951		No	No	No	High school diploma or equivalent	No	No		No
53-7071	Gas Compressor and Gas Pumping Station Operators	29,883	35,646	33,115	1	No No	No	No	High school diploma or equivalent	No	No		No
53-7072 53-7073	Pump Operators, Except Wellhead Pumpers	31,947	44,932	50,442	1	No No	No	No	High school diploma or equivalent	Yes	No		No
	Wellhead Pumpers	29,883	35,646	33,115	1		No	No	High school diploma or equivalent	No	No		No
53-7081 53-7121	Refuse and Recyclable Material Collectors	28,544	39,354	46,298		No	No	No	No formal educational credential	Yes	Yes		Yes
53-7121 53-7199	Tank Car, Truck, and Ship Loaders	57,566	62,932	59,447	1	Yes	Yes	No	No formal educational credential	Yes	Yes		Yes
	Material Moving Workers, All Other	28,848	45,011	45,416	1	No	No	No	No formal educational credential	Yes	Yes		Yes

 $[\]ensuremath{^{*}}$ indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

Summary - Workforce Region 8

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
_	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	35,011	56,599	64,253	829
No formal educational credential	24,067	31,705	34,405	85
High school diploma or equivalent	30,643	46,583	53,234	236
Some college, no degree	29,601	44,407	49,585	49
Postsecondary nondegree award	33,369	47,552	54,357	90
Associate's degree	40,199	59,641	68,108	68
Bachelor's degree	48,851	90,074	105,537	185
Master's degree	53,389	83,142	95,514	43
Doctoral or professional degree	71,371	157,726	152,950	73

	Representative	Starting Wage	Average Ar	nual Wage	High-Level Wa	age Threshold
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric
All Occupations	511	318	494	335	483	346
No formal educational credential	42.35%	57.65%	31.76%	68.24%	32.94%	67.06%
High school diploma or equivalent	66.95%	33.05%	79.24%	20.76%	77.54%	22.46%
Some college, no degree	40.82%	59.18%	32.65%	67.35%	28.57%	71.43%
Postsecondary nondegree award	47.78%	52.22%	37.78%	62.22%	38.89%	61.11%
Associate's degree	66.18%	33.82%	50.00%	50.00%	45.59%	54.41%
Bachelor's degree	63.24%	36.76%	64.86%	35.14%	65.41%	34.59%
Master's degree	76.74%	23.26%	58.14%	41.86%	58.14%	41.86%
Doctoral or professional degree	80.82%	19.18%	69.86%	30.14%	63.01%	36.99%

May 2022	egion 9	Annual V	/ages (\$) by Occupat	ion I	Wage Mee	ts or Exceeds All C	Occupation Metric		1 1	Wage Meets	or Exceeds Education	onal Level Metric
ividy 2022			Average Annual	High-Level Wage	Representative	Average Annu			1 1	Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
11-1011	Chief Executives	80,143	306,653	*	Yes	Yes	Yes*	Bachelor's degree		Yes	Yes	Yes*
11-1021	General and Operations Managers	44,193	115,941	137,830	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-1031	Legislators	20,800	68,266	106,455	No	Yes	Yes	Bachelor's degree		No	No	Yes
11-2011	Advertising and Promotions Managers	50,230	108,422	130,880	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2021	Marketing Managers	73,802	144,711	177,497	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2022 11-2032	Sales Managers Public Relations Managers	51,002 64.920	130,986 114.168	164,770 132,178	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2032	Fundraising Managers Fundraising Managers	61,568	114,168	142,407	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes Yes
11-3012	Administrative Services Managers	43,920	78.507	89.049	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-3013	Facilities Managers	45,283	88,530	106,339	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-3021	Computer and Information Systems Managers	90.270	134.901	160,980	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3031	Financial Managers	61,339	129,563	155,871	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3051	Industrial Production Managers	35,318	105,364	131,160	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-3061	Purchasing Managers	58,011	118,509	137,446	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	45,554	103,597	136,636	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-3111	Compensation and Benefits Managers	71,302	110,713	147,541	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3121	Human Resources Managers	78,419	99,511	92,529	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
11-3131	Training and Development Managers	66,872	81,870	66,872	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
11-9013	Farmers, Ranchers, and Other Agricultural Managers	22,855	83,988	117,340	No	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-9021	Construction Managers	51,744	109,495	123,377	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	32,679	53,906	60,036	No	No	No	Bachelor's degree		No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	59,477	88,060	103,144	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	61,461	94,498	96,436	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
11-9039	Education Administrators, All Other	29,470	61,503	76,833	No	Yes	Yes	Master's degree		No	No	No
11-9041 11-9051	Architectural and Engineering Managers	80,467	139,514	160,772	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9051	Food Service Managers	37,425	67,019	77,225	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
11-90/1	Gambling Managers	58,344 36.812	111,997	113,179 89.981	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
11-90/2	Entertainment and Recreation Managers, Except Gambling Lodging Managers	36,812	70,075 69,987	76,886	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		No No	No No	No No
11-9081	Medical and Health Services Managers	61.650	119.057	142.979			Yes			Yes	Yes	Yes
11-9111	Natural Sciences Managers	52,811	119,057	142,979	Yes Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	76,211	87.127	132,709	Yes	Yes	Yes	Bachelor's degree High school diploma or equivalent		Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	36.724	61.334	71.663	Yes	Yes	Yes	Bachelor's degree		No	No	No.
11-9151	Social and Community Service Managers	43,388	71.217	84.850	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9161	Emergency Management Directors	47,375	85.095	101.699	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9171	Funeral Home Managers	21,543	69,286	88,792	No	Yes	Yes	Associate's degree		No	Yes	Yes
11-9179	Personal Service Managers, All Other	45,342	74,107	89,208	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9199	Managers, All Other	56.327	112.045	128.304	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	28,359	90,967	148,204	No	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-1020	Buyers and Purchasing Agents	37.992	60.387	70.021	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	49,348	73,342	81,298	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	46,769	65,048	74,362	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
13-1041	Compliance Officers	35,110	61,043	76,149	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1051	Cost Estimators	33,617	62,146	76,655	No	Yes	Yes	Bachelor's degree		No	No	No
13-1071	Human Resources Specialists	37,254	59,534	68,411	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1074	Farm Labor Contractors											
13-1075	Labor Relations Specialists	47,447	56,465	50,423	Yes	Yes	No	Bachelor's degree		Yes	No	No
13-1081	Logisticians	34,463	65,490	78,557	No	Yes	Yes	Bachelor's degree		No	No	No
13-1082	Project Management Specialists	49,591	84,413	99,301	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1111	Management Analysts	38,418	80,229	93,575	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1121	Meeting, Convention, and Event Planners	40,505	55,526	65,801	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1131	Fundraisers	38,629	51,249	55,289	Yes	No	No	Bachelor's degree		No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	42,224	63,655	74,542	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1151	Training and Development Specialists	34,701	63,365	69,383	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1161 13-1199	Market Research Analysts and Marketing Specialists	31,200	69,391	84,819	No	Yes	Yes	Bachelor's degree		No	No	No
13-1199	Business Operations Specialists, All Other Accountants and Auditors	35,748 39,368	59,028	66,843 85.469	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2011	Property Appraisers and Assessors	39,368 44,984	73,013 68,380	85,469 77,484	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		No No	No No	No No
13-2020	Budget Analysts	44,984 49,167	68,380 68,910	77,484 69,511	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	No No	No No
13-2031	Credit Analysts	49,167 47,516	72,539	83,716	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	No No	No No
13-2041	Financial and Investment Analysts	53,147	72,539	85,686	Yes	Yes	Yes	Bachelor's degree		Yes	No No	No
13-2052	Personal Financial Advisors	36,980	133,789	85,686 164,565	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes No	Yes	Yes
13-2053	Insurance Underwriters	45,347	68,617	76.946	Yes	Yes	Yes	Bachelor's degree		No	No No	No.
13-2054	Financial Risk Specialists	51.441	103,988	120.904	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-2061	Financial Examiners	37,202	83.584	104,998	Yes	Yes	Yes	Bachelor's degree	1 1	No	Yes	Yes
13-2071	Credit Counselors	32,245	46,486	46,788	No	No	No	Bachelor's degree		No	No	No
13-2072	Loan Officers	35,173	59,842	71,794	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	28,933	36,765	36,754	No	No	No	Bachelor's degree		No	No	No
13-2082	Tax Preparers	23,376	43,750	57,564	No	No	No	Postsecondary nondegree award		No	Yes	Yes
13-2099	Financial Specialists, All Other	34,427	59,505	73,913	No	Yes	Yes	Bachelor's degree		No	No	No
15-1211	Computer Systems Analysts	45,236	86,040	99,541	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
15-1212	Information Security Analysts	60,212	97,297	102,192	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	74,873	124,744	167,740	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
15-1231	Computer Network Support Specialists	47,323	61,286	62,504	Yes	Yes	Yes	Associate's degree		Yes	Yes	No
15-1232	Computer User Support Specialists	35,960	50,034	59,819	Yes	No	No	Postsecondary nondegree award		Yes	Yes	Yes
15-1241	Computer Network Architects	59,696	103,192	124,305	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
									- 1 - 1			Yes
15-1242	Database Administrators	48,194	91,325	118,214	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	162

Wages - Workforce Region 9

May 2022			Wages (\$) by Occup			s or Exceeds All Occu					or Exceeds Education	
		Representative	Average Annual	High-Level Wage	Representative	Average Annual	High-Level Wage			Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	4	Starting Wage	Wage	Threshold
15-1244	Network and Computer Systems Administrators								-			
15-1244	Computer Programmers	56,160 52,677	80,964 90,751	90,121 114.057	Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	-	Yes	No Yes	No Yes
15-1251	Software Developers	47.923	90,751	114,057	Yes Yes	Yes Yes	Yes	Bachelor's degree Bachelor's degree	-	Yes Yes	Yes	Yes
15-1252	Software Developers Software Quality Assurance Analysts and Testers	47,923	89,534	98.479	Yes	Yes	Yes	Bachelor's degree	-	No	No.	Yes
15-1253	Web Developers	44,990	73.187	98,479 87.131					-			
15-1255	Web Developers Web and Digital Interface Designers	43,751 35,663	67,956	77,000	Yes Yes	Yes	Yes Yes	Associate's degree Associate's degree	-	Yes No	Yes Yes	Yes Yes
15-1299	Computer Occupations, All Other	47,171	82,016	97.260	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
15-2011	Actuaries	67.128	118.522	127,760	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
15-2021	Mathematicians	37,824	89,879	123,599	Yes	Yes	Yes	Master's degree	-	No	Yes	Yes
15-2021	Operations Research Analysts	37,824	79.726	96.145	Yes	Yes	Yes	Bachelor's degree	-	No No	No.	Yes
15-2041	Statisticians	38,505	79,260	96,007	Yes	Yes	Yes	Master's degree	-	No	Yes	Yes
15-2051	Data Scientists	48.273	73,260	80.417		Yes	Yes	Bachelor's degree	-		No	No
15-2099	Mathematical Science Occupations, All Other	38,505	79,260	96,007	Yes Yes	Yes	Yes	Bachelor's degree	-	Yes No	No	Yes
17-1011	Architects, Except Landscape and Naval	47,622	98.132	99.802	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-1012	Landscape Architects	51,203	67,657	80,109	Yes	Yes	Yes	Bachelor's degree	-	Yes	No	No
17-1012	Cartographers and Photogrammetrists	47,482	65,875	72.860	Yes	Yes	Yes	Bachelor's degree	-	Yes	No	No
17-1021	Surveyors	34.726	62,776	76,538	Yes	Yes	Yes	Bachelor's degree	-	No	No	No
17-2011	Aerospace Engineers	73,133	109,557	127,505	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
17-2021	Agricultural Engineers	47.282	90.734	100.736	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
17-2021	Bioengineers and Biomedical Engineers	47,282	89.333	97,587	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
17-2031	Chemical Engineers	63.715	103.193	126.937	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
17-2041	Civil Engineers	59,394	96.283	118.540	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
17-2051	Computer Hardware Engineers	62.646	74.467	78.921	Yes	Yes	Yes	Bachelor's degree	1	Yes	No	No
17-2001	Electrical Engineers	62,984	98,792	122,751	Yes	Yes	Yes	Bachelor's degree	1	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	73,488	100.430	109.990	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2072	Environmental Engineers	73,488 40,989	85.236	105,508	Yes	Yes	Yes	Bachelor's degree	1	No.	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	47,346	80,612	98,768	Yes	Yes	Yes	Bachelor's degree	-	Yes	No	Yes
17-2112	Industrial Engineers	61.063	92.637	108,484	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	48,727	73,766	86,749	Yes	Yes	Yes	Bachelor's degree	-	Yes	No	No
17-2131	Materials Engineers	53.748	87.837	107.609	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
17-2141	Mechanical Engineers	49,992	95,732	105,178	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
17-2141	Mining and Geological Engineers, Including Mining Safety Engineers	38.439	74,793	103,178	Yes	Yes	Yes		-	No.	No.	Yes
17-2161	Nuclear Engineers	76,688	110,531	119,798	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	-	Yes	Yes	Yes
17-2171	Petroleum Engineers	63,544	124.148	148.941		Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
17-2171	Engineers, All Other	45,344	76,265	93,205	Yes Yes	Yes	Yes	Bachelor's degree	-	No	No	No
17-3011	Architectural and Civil Drafters	39,875	59,330	69,021					-			
17-3011	Electrical and Electronics Drafters	41.049	49.386	51.545	Yes Yes	Yes No	Yes No	Associate's degree	-	Yes	Yes No	Yes
17-3012	Mechanical Drafters	36,518	54,286	60,861		No	No	Associate's degree Associate's degree	-	Yes No	No	No No
17-3019	Drafters, All Other	30,518	54,280	60,861	Yes No	No No	No No	Associate's degree	-	No	No No	No No
17-3019	Aerospace Engineering and Operations Technologists and Technicians	34,363	73,889	101,028	No	Yes	Yes	Associate's degree	-	No	Yes	Yes
17-3021	Civil Engineering Technologists and Technicians	31,963	50.801	62.661	No.	No.	Yes	Associate's degree	-	No.	No.	No.
17-3022	Electrical and Electronic Engineering Technologists and Technicians	29,692	65,187	75,638	No	Yes	Yes	Associate's degree	-	No	Yes	Yes
17-3023	Electro-Mechanical and Mechatronics Technologists and Technicians	29,692 43.469	65,187						-			
17-3024	Environmental Engineering Technologists and Technicians	43,469 34,531	54,572	76,026 64,613	Yes No	Yes No	Yes Yes	Associate's degree Associate's degree	-	Yes No	Yes No	Yes Yes
17-3025	Industrial Engineering Technologists and Technicians	34,531	56,953	63,611	Yes	Yes	Yes	Associate's degree	-	No	Yes	No
17-3027	Mechanical Engineering Technologists and Technicians	37,077	56,585	63,185	Yes	Yes	Yes	Associate's degree	-	No	Yes	No
17-3027	Calibration Technologists and Technicians	47,169	70.497	81,210	Yes	Yes	Yes	Associate's degree	-	Yes	Yes	Yes
17-3028	Engineering Technologists and Technicians. Except Drafters, All Other	35,044	57.950	70,634	Yes	Yes	Yes	Associate's degree	-	No.	Yes	Yes
17-3025	Surveying and Mapping Technicians	27.857	42.760	49.757		No	No		-		No.	No
19-1011	Animal Scientists	35.290	77.199	115.098	No Yes	Yes	Yes	Associate's degree	-	No No	Yes	Yes
19-1012	Food Scientists and Technologists	37,521	74,504	102.635	Yes	Yes	Yes	Master's degree Bachelor's degree	-	No	No	Yes
19-1012	Soil and Plant Scientists	38,457	72,352	96.254	Yes	Yes	Yes	Bachelor's degree	-	No	No	Yes
19-1021	Biochemists and Biophysicists	37,919	83,043	104,659	Yes	Yes	Yes	Doctoral or professional degree	-	No	No	No
19-1021	Microbiologists	37,919	56,623	69.360	No.	Yes	Yes	Master's degree	-	No	No	No
19-1022	Zoologists and Wildlife Biologists	37,440	58,741	69,406	Yes	Yes	Yes	Master's degree	-	No	No	No
19-1029	Biological Scientists, All Other	36,462	58,531	67,579	Yes	Yes	Yes	Bachelor's degree	1	No	No	No
19-1029	Conservation Scientists	30,462	61.718	81.994	No Yes	Yes	Yes	Bachelor's degree	1	No No	No No	No
19-1032	Foresters	37,378	56,208	60,727	Yes	Yes	No	Bachelor's degree	1	No	No	No
19-1032	Epidemiologists	54,731	82,371	96.933	Yes	Yes	Yes	Doctoral or professional degree	-	No No	No No	No No
19-1042	Medical Scientists, Except Epidemiologists	58,051	94,252	106,586	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
19-1099	Life Scientists, All Other	53,341	81,917	87.544					-			
19-2011	Astronomers	73,662	150,672	211,361	Yes Yes	Yes	Yes Yes	Bachelor's degree Doctoral or professional degree	-	Yes Yes	Yes	No Yes
19-2011	Physicists Physicists	73,662	150,672	211,361	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	-	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	59,195	79,383	85,520	Yes	Yes	Yes	Bachelor's degree	1	Yes	No.	No Yes
19-2031	Chemists	36,184	79,383 69.171	82,515	Yes	Yes	Yes	Bachelor's degree	-	No No	No	No
19-2032	Materials Scientists	65.123	109,831	128,488	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
19-2032	Environmental Scientists and Specialists, Including Health	33.606	64.643	76,239	No Yes	Yes	Yes	Bachelor's degree	-	No No	No.	No Yes
19-2042	Geoscientists, Except Hydrologists and Geographers	33,000	72.803	104.061	Yes	Yes	Yes	Bachelor's degree	-	No No	No No	Yes
19-2042	Hydrologists	40.982	72,803 64.499	76.925	Yes	Yes	Yes	Bachelor's degree	-	No	No No	No Yes
19-2099	Physical Scientists, All Other	40,982	102.125	126.531	Yes	Yes	Yes	Bachelor's degree	-	No No	Yes	Yes
19-3011	Economists	42,798 57,284	90,976	126,531	Yes	Yes	Yes	Master's degree	+	Yes	Yes	Yes
19-3011	Survey Researchers	57,284	95,976	120,909	Yes	Yes	Yes		-	Yes	Yes	Yes
19-3022	Industrial-Organizational Psychologists	70,381	95,298 121,122	120,857	Yes	Yes		Master's degree	+	Yes	Yes	
19-3032							Yes	Doctoral or professional degree	+			Yes
19-3034	Clinical and Counseling Psychologists School Psychologists	73,958 39,294	150,408 58,529	117,235 68.080	Yes	Yes	Yes	Doctoral or professional degree	-	Yes	Yes	No
19-3034					Yes	Yes	Yes	Doctoral or professional degree	-	No	No No	No
19-3039	Psychologists, All Other	46,571 27,753	95,099 55,507	114,077 48,084	Yes No	Yes	Yes No	Doctoral or professional degree	-	No No	No No	No
	Sociologists					Yes		Master's degree	-			No
19-3051	Urban and Regional Planners	48,212	73,291	78,354	Yes	Yes	Yes	Master's degree		No	No	No

Wages - Workforce Re May 2022	egion 9	Annual W	ages (\$) by Occupat	ion	Wage Moet	s or Evenode All C	Occupation Metric		I I w	lago Monte	or Evenode Educat	ional Level Metric
ividy 2022			Average Annual	High-Level Wage	Representative	Average Annu				entative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		g Wage	Wage	Threshold
									1			
19-3091 19-3092	Anthropologists and Archeologists Geographers	37,881 53,341	59,639 81.917	70,551 87.544	Yes	Yes	Yes Yes	Master's degree	No Yes		No Yes	No Yes
19-3092	Historians	34.042	67,998	92,555	No.	Yes Yes	Yes	Master's degree Master's degree	No.		No.	Yes
19-3094	Political Scientists	36,368	90.825	123.306	Yes	Yes	Yes	Master's degree	No		Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	33,280	70,751	89,336	No	Yes	Yes	Bachelor's degree	No		No	No
19-4012	Agricultural Technicians	28,415	37,796	43,876	No	No	No	Associate's degree	No		No	No
19-4013	Food Science Technicians	28,998	46,931	72,716	No	No	Yes	Associate's degree	No		No	Yes
19-4021	Biological Technicians	30,614	45,414	54,696	No	No	No	Bachelor's degree	No		No	No
19-4031 19-4042	Chemical Technicians	33,075	56,163 41,455	63,248 48.824	No No	Yes	Yes No	Associate's degree	No		Yes	No
19-4042	Environmental Science and Protection Technicians, Including Health Geological Technicians, Except Hydrologic Technicians	28,382 29,938	38,495	42,060	No	No	No No	Associate's degree Associate's degree	No No		No No	No No
19-4044	Hydrologic Technicians	34,146	53,370	63.828	No	No	Yes	Associate's degree	No		No	No
19-4051	Nuclear Technicians	36,973	60,055	76,234	Yes	Yes	Yes	Associate's degree	No		Yes	Yes
19-4061	Social Science Research Assistants	29,096	46,637	53,559	No	No	No	Bachelor's degree	No		No	No
19-4071	Forest and Conservation Technicians	32,169	44,613	53,086	No	No	No	Associate's degree	No		No	No
19-4092	Forensic Science Technicians	40,401	50,447	63,480	Yes	No	Yes	Bachelor's degree	No		No	No
19-4099 19-5011	Life, Physical, and Social Science Technicians, All Other	27,040	43,065	48,208	No	No	No	Bachelor's degree	No No		No	No
19-5012	Occupational Health and Safety Specialists Occupational Health and Safety Technicians	40,118 38,146	65,357 58,949	79,855 65,719	Yes Yes	Yes	Yes Yes	Bachelor's degree Postsecondary nondegree award	No Yes		No Yes	No Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	38,359	47,781	49,471	Yes	No	No	Master's degree	No		No	No
21-1013	Marriage and Family Therapists	28,986	35,122	35,980	No	No	No	Master's degree	No		No	No
21-1015	Rehabilitation Counselors	25,465	44,833	46,188	No	No	No	Master's degree	No		No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	31,627	55,094	69,237	No	Yes	Yes	Bachelor's degree	No		No	No
21-1019	Counselors, All Other	30,722	40,137	43,680	No	No	No	Master's degree	No		No	No
21-1021	Child, Family, and School Social Workers	30,423	46,796	56,295	No	No	No	Bachelor's degree	No		No	No
21-1022	Healthcare Social Workers	44,219	49,233	45,862	Yes	No	No	Master's degree	No		No	No
21-1023 21-1029	Mental Health and Substance Abuse Social Workers Social Workers, All Other	30,170 32,053	47,424 59,211	59,867 81,994	No No	No	No	Bachelor's degree	No No		No No	No No
21-1029	Health Education Specialists	32,198	46,676	51,519	No	Yes No	Yes No	Bachelor's degree Bachelor's degree	No		No	No
21-1092	Probation Officers and Correctional Treatment Specialists	32,282	42,314	48,381	No	No	No	Bachelor's degree	No		No	No
21-1093	Social and Human Service Assistants	24,176	34,634	39,634	No	No	No	Some college, no degree	No		No	No
21-1094	Community Health Workers	24,654	43,527	52,076	No	No	No	Bachelor's degree	No		No	No
21-1099	Community and Social Service Specialists, All Other	20,800	42,586	55,291	No	No	No	Bachelor's degree	No		No	No
21-2011	Clergy	27,961	53,473	62,088	No	No	Yes	Master's degree	No		No	No
21-2021	Directors, Religious Activities and Education	26,418	48,682	58,905	No	No	No	Bachelor's degree	No		No	No
21-2099 23-1011	Religious Workers, All Other	20,800	43,071	60,827	No	No	No	Bachelor's degree	No		No	No
23-1011	Lawyers Judicial Law Clerks	57,519 37,241	130,301 45.485	135,429 45.136	Yes Yes	Yes No	Yes No	Doctoral or professional degree	Yes No		Yes No	Yes No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	40,320	88,622	110,049	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No		No	No
23-1022	Arbitrators, Mediators, and Conciliators	,	,	,	1.00				1			
23-1023	Judges, Magistrate Judges, and Magistrates	40,320	88,622	110,049	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
23-2011	Paralegals and Legal Assistants	28,080	50,246	60,195	No	No	No	Associate's degree	No		No	No
23-2093	Title Examiners, Abstractors, and Searchers	35,880	52,672	60,991	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
23-2099	Legal Support Workers, All Other	27,040	58,881	65,823	No	Yes	Yes	Associate's degree	No		Yes	Yes
25-1011 25-1021	Business Teachers, Postsecondary Computer Science Teachers, Postsecondary	44,821 45,616	81,199 86,144	92,744 106,749	Yes Yes	Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree	No No		No No	No No
25-1021	Mathematical Science Teachers, Postsecondary	45,143	71.922	85.199	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1031	Architecture Teachers, Postsecondary	36,699	97,378	122,096	Yes	Yes	Yes	Doctoral or professional degree	No		No	Yes
25-1032	Engineering Teachers, Postsecondary	44,500	85,416	117,510	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	42,495	58,958	71,686	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1042	Biological Science Teachers, Postsecondary	49,786	84,414	94,645	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	42,495	58,958	71,686	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1051 25-1052	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary Chemistry Teachers, Postsecondary	44,273 37,767	60,840 77.256	58,949 92,792	Yes Yes	Yes	No Yes	Doctoral or professional degree Doctoral or professional degree	No No		No No	No No
25-1052	Environmental Science Teachers, Postsecondary	42.117	68,461	85.350	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1053	Physics Teachers, Postsecondary	45,370	60,982	60,263	Yes	Yes	No	Doctoral or professional degree	No		No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	44,273	80,669	94,777	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	45,985	63,402	72,792	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1063	Economics Teachers, Postsecondary	44,490	56,339	51,724	Yes	Yes	No	Doctoral or professional degree	No		No	No
25-1064	Geography Teachers, Postsecondary	44,273	60,840	58,949	Yes	Yes	No	Doctoral or professional degree	No		No	No
25-1065 25-1066	Political Science Teachers, Postsecondary	42,959	60,490	55,857	Yes	Yes	No	Doctoral or professional degree	No No		No	No
25-1066	Psychology Teachers, Postsecondary Sociology Teachers, Postsecondary	45,124 45,313	77,473 95.420	88,120 113,964	Yes Yes	Yes Yes	Yes Yes	Doctoral or professional degree	No No		No No	No No
25-1067	Social Sciences Teachers, Postsecondary, All Other	45,313	95,420	72.632	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No No		No No	No No
25-1071	Health Specialties Teachers, Postsecondary	45,020	88,811	96,309	Yes	Yes	Yes	Bachelor's degree	No		Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	45,625	75,799	89,615	Yes	Yes	Yes	Master's degree	No		Yes	Yes
25-1081	Education Teachers, Postsecondary	35,876	70,665	81,123	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1082	Library Science Teachers, Postsecondary	45,843	70,220	77,378	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	40,453	55,100	57,615	Yes	Yes	No	Doctoral or professional degree	No		No	No
25-1112	Law Teachers, Postsecondary	42,911	133,679	197,668	Yes	Yes	Yes	Doctoral or professional degree	No		Yes	Yes
25-1113 25-1121	Social Work Teachers, Postsecondary	57,965 44.415	66,485 82.816	73,057 93.170	Yes Yes	Yes Yes	Yes Yes	Doctoral or professional degree	Yes No		No Yes	No Yes
25-1121	Art, Drama, and Music Teachers, Postsecondary Communications Teachers, Postsecondary	44,415	75,780	93,170	Yes	Yes	Yes	Master's degree Doctoral or professional degree	No No		No.	No Yes
25-1122	English Language and Literature Teachers, Postsecondary	42,051	64,991	74.438	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1125			64,272						No		No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	38,874	64,272	74,627	Yes	Yes	Yes	Doctoral or professional degree	INO		NO	INU
25-1124 25-1125	Foreign Language and Literature Teachers, Postsecondary History Teachers, Postsecondary	38,874 39,772	52,660	46,344	Yes	Yes No	Yes No	Doctoral or professional degree Doctoral or professional degree	No		No	No
25-1124			- ,									

May 2022	egion 9	Annual W	/ages (\$) by Occupat	ion I	Wage Mee	ts or Exceeds All O	Occupation Metric			Wage Meet	s or Exceeds Educat	ional Level Metric
,			Average Annual	High-Level Wage	Representative	Average Annu				resentative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Star	ting Wage	Wage	Threshold
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	41,654	71,071	74,967	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1194	Career/Technical Education Teachers, Postsecondary	31,803	52,991	73,235	No	No	Yes	Master's degree	No		No	No
25-1199 25-2011	Postsecondary Teachers, All Other Preschool Teachers, Except Special Education	35,129 22,303	62,249 29.304	73,426 31,102	Yes No	Yes	Yes No	Doctoral or professional degree Associate's degree	No No		No No	No No
25-2012	Kindergarten Teachers, Except Special Education	37,954	54,006	62,349	Yes	No	Yes	Bachelor's degree	No		No	No
25-2012	Elementary School Teachers, Except Special Education	45,569	55,299	60.866	Yes	Yes	No	Bachelor's degree	No		No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	46,343	55,075	62,292	Yes	Yes	Yes	Bachelor's degree	No		No	No
25-2023	Career/Technical Education Teachers, Middle School	45,077	62,296	70,598	Yes	Yes	Yes	Bachelor's degree	No		No	No
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	47,602	57,218	61,833	Yes	Yes	No	Bachelor's degree	Yes		No	No
25-2032	Career/Technical Education Teachers, Secondary School	44,680	59,242	64,216	Yes	Yes	Yes	Bachelor's degree	No		No	No
25-2051	Special Education Teachers, Preschool	28,392	41,188	46,273	No	No	No	Bachelor's degree	No		No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	32,660	60,839	79,455	No	Yes	Yes	Bachelor's degree	No		No	No
25-2057	Special Education Teachers, Middle School	44,519	60,244	74,305	Yes	Yes	Yes	Bachelor's degree	No		No	No
25-2058	Special Education Teachers, Secondary School	40,056	52,315	61,043	Yes	No	No	Bachelor's degree	No		No	No
25-2059	Special Education Teachers, All Other	28,248	37,296	33,669	No	No	No	Bachelor's degree	No		No	No
	Adult Basic Education, Adult Secondary Education, and English as a Second											
25-3011	Language Instructors	38,060	46,821	46,197	Yes	No	No	Bachelor's degree	No		No	No
25-3021 25-3031	Self-Enrichment Teachers Substitute Teachers, Short-Term	22,602	40,727	56,632	No	No	No	Some college, no degree	No		No	Yes
25-3031	Tutors	22,773	42,003 36,737	37,689 45,522	No No	No No	No No	Bachelor's degree	No No		No No	No No
25-3041	Teachers and Instructors, All Other	23,254 36,197	36,/3/ 57,197	45,522 61,193		Yes	No No	Bachelor's degree	No No		No No	No No
25-3099	Archivists	36,197 27.772	57,197 44.472	51,193 53.105	Yes No	Yes No	No No	Bachelor's degree Master's degree	No No		No No	No No
25-4011	Curators	27,772	53,474	66,873	No No	No No	No Yes	Master's degree Master's degree	No No		No No	No No
25-4012	Museum Technicians and Conservators	29,796	44.623	53.199	No	No No	Yes No	Bachelor's degree	No No		No No	No No
25-4013	Librarians and Media Collections Specialists	47,224	52,076	61,747	No Yes	No No	No No	Master's degree	No No		No No	No No
25-4022	Library Technicians	47,224 35.373	40.143	49.922	Yes	No No	No No	Associate's degree	No No		No No	No
25-9021	Farm and Home Management Educators	27,848	44,803	55,091	No	No	No	Master's degree	No		No	No
25-9031	Instructional Coordinators	43.458	54.039	61,638	Yes	No	No	Master's degree	No		No	No
25-9044	Teaching Assistants, Postsecondary	20,037	31.129	38,732	No.	No	No	Bachelor's degree	No		No	No.
25-9045	Teaching Assistants, Except Postsecondary	21.941	30,964	36,524	No	No	No	Some college, no degree	No		No	No
25-9099	Educational Instruction and Library Workers, All Other	22,873	38.495	45,954	No.	No	No	Bachelor's degree	No.		No	No.
27-1011	Art Directors	43.184	78.013	89.842	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-1012	Craft Artists	20.103	32.462	37.436	No	No	No	Some college, no degree	No		No	No.
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	25,995	44.680	45,020	No	No	No	Bachelor's degree	No		No	No
27-1014	Special Effects Artists and Animators	43,772	62,665	71.922	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-1019	Artists and Related Workers, All Other	25,030	48,178	56,027	No	No	No	Some college, no degree	No		Yes	Yes
27-1021	Commercial and Industrial Designers	39,379	60,289	75,132	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-1022	Fashion Designers	35,394	63,913	75.156	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-1023	Floral Designers	24,465	32,193	35,574	No	No	No	High school diploma or equivalent	No		No	No
27-1024	Graphic Designers	32,471	52,286	59,077	No	No	No	Bachelor's degree	No		No	No
27-1025	Interior Designers	30,989	57,214	70,491	No	Yes	Yes	Bachelor's degree	No		No	No
27-1026	Merchandise Displayers and Window Trimmers	24,982	34,660	37,310	No	No	No	Some college, no degree	No		No	No
27-1027	Set and Exhibit Designers	34,505	43,621	45,162	No	No	No	Bachelor's degree	No		No	No
27-1029	Designers, All Other	27,536	57,899	71,327	No	Yes	Yes	Bachelor's degree	No		No	No
27-2011	Actors	28,481	32,481	30,344	No	No	No	Some college, no degree	No		No	No
27-2012	Producers and Directors	36,403	71,385	84,809	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-2021	Athletes and Sports Competitors	24,009	61,256	60,916	No	Yes	No	Some college, no degree	No		Yes	Yes
27-2022	Coaches and Scouts	25,392	86,272	50,151	No	Yes	No	Bachelor's degree	No		Yes	No
27-2023	Umpires, Referees, and Other Sports Officials	20,066	43,800	44,027	No	No	No	Some college, no degree	No		Yes	No
27-2031	Dancers	28,481	32,481	30,344	No	No	No	High school diploma or equivalent	No		No	No
27-2032	Choreographers	28,481	32,481	30,344	No	No	No	Some college, no degree	No		No	No
27-2041	Music Directors and Composers	36,857	67,611	80,193	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-2042	Musicians and Singers	28,481	32,481	30,344	No	No	No	Some college, no degree	No		No	No
27-2091 27-2099	Disc Jockeys, Except Radio Entertainers and Performers, Sports and Related Workers, All Other	20,992	57,398	56,840	No	Yes	No	Bachelor's degree	No		No	No
27-2099	Broadcast Announcers and Radio Disc Jockeys	20,992 24,729	57,398 48,114	56,840 49,290	No No	Yes No	No No	Some college, no degree Bachelor's degree	No No		Yes No	Yes No
27-3011	News Analysts, Reporters, and Journalists	24,729 32.046	48,114 54.920	49,290 66.405	No No	No Yes	No Yes	Bachelor's degree Bachelor's degree	No No		No No	No No
27-3023	Public Relations Specialists	32,046	54,920 66,813	76,058	Yes	Yes	Yes	Bachelor's degree	No No		No No	No No
27-3031	Editors	34,923	67,094	76,058 78,085	No Yes	Yes	Yes	Bachelor's degree Bachelor's degree	No No		No No	No No
27-3041	Technical Writers	31,972 47.516	72.102	78,085 81.057	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	Yes		No No	No No
27-3042	Writers and Authors	33.740	58.784	62,223	No	Yes	Yes	Bachelor's degree	No		No No	No
27-3043	Interpreters and Translators	22,368	58,784	56,909	No No	Yes No	Yes No	Bachelor's degree	No No		No No	No No
27-3092	Court Reporters and Simultaneous Captioners	31.782	45.589	56,326	No	No No	No	Postsecondary nondegree award	Yes		Yes	Yes
27-3099	Media and Communication Workers, All Other	20.800	37.004	45.881	No.	No.	No.	Associate's degree	No		No	No
27-4011	Audio and Video Technicians	32,158	50,404	56,779	No No	No	No	Associate's degree	No		No	No
27-4012	Broadcast Technicians	27,674	45,920	52,532	No	No	No	Associate's degree	No		No	No
27-4014	Sound Engineering Technicians	25,569	64,074	95,345	No	Yes	Yes	Associate's degree	No		Yes	Yes
27-4015	Lighting Technicians	28,359	46,599	57,351	No	No	No	Associate's degree	No		No	No
27-4021	Photographers	24,254	35,695	43,259	No	No	No	Some college, no degree	No		No	No
27-4031	Camera Operators, Television, Video, and Film	22,125	29,334	33,641	No	No	No	Bachelor's degree	No		No	No
27-4032	Film and Video Editors	45,340	45,753	45,340	Yes	No	No	Bachelor's degree	No		No	No
27-4099	Media and Communication Equipment Workers, All Other	26,401	63,629	87,544	No	Yes	Yes	Associate's degree	No		Yes	Yes
29-1011	Chiropractors	45,032	92,687	114,291	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
29-1021	Dentists, General	77,067	176,156	207,592	Yes	Yes	Yes	Doctoral or professional degree	Yes		Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	49,672	214,944	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1023	Orthodontists	66,580	161,631	201,318	Yes	Yes	Yes	Doctoral or professional degree	Yes		Yes	Yes
29-1024	Prosthodontists	49,672	214,944	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*

Wages - Workforce Region 9

Wages - Workforce Re May 2022	gion 5	Δηημα	al Wages (\$) by Occupa	ition	1 1	Wage Meet	s or Exceeds All Occu	nation Metric			Wage Meets	or Exceeds Education	al Level Metric
IVIDY ZOZZ		Representative	Average Annual	High-Level Wage		Representative	Average Annual	High-Level Wage		F	Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)		Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
·	·								· ·	7		-	
29-1031	Dietitians and Nutritionists	51,084	66,130	71,294		Yes	Yes	Yes	Bachelor's degree	Î	Yes	No	No
29-1041	Optometrists	35,048	123,403	163,255		Yes	Yes	Yes	Doctoral or professional degree		No	Yes	Yes
29-1051	Pharmacists	49,204	111,723	128,438		Yes	Yes	Yes	Doctoral or professional degree		No	Yes	Yes
29-1071	Physician Assistants	50,883	115,204	122,307		Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
29-1081	Podiatrists	29,285	123,637	175,986		No	Yes	Yes	Doctoral or professional degree		No	Yes	Yes
29-1122	Occupational Therapists	50,640	78,920	93,935		Yes	Yes	Yes	Master's degree	_	Yes	Yes	Yes
29-1123	Physical Therapists	63,573	86,820	95,398		Yes	Yes	Yes	Doctoral or professional degree	_	Yes	No	No
29-1124 29-1125	Radiation Therapists	77,372 27,040	88,314 58.096	93,200 75,026		Yes No	Yes	Yes	Associate's degree		Yes	Yes	Yes
29-1125	Recreational Therapists Respiratory Therapists	60,384	64,401	73,057		Yes	Yes Yes	Yes Yes	Bachelor's degree Associate's degree		No Yes	No Yes	No Yes
29-1120	Speech-Language Pathologists	49,955	79,093	96,179		Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
29-1128	Exercise Physiologists	37,465	50.164	53,644		Yes	No	No	Master's degree		No	No	No
29-1129	Therapists, All Other	31,030	62,414	87,707		No	Yes	Yes	Bachelor's degree	- 1	No	No	No
29-1131	Veterinarians	69,534	109,429	131,569		Yes	Yes	Yes	Doctoral or professional degree	- 1	Yes	No	Yes
29-1141	Registered Nurses	62,152	80,936	98,747		Yes	Yes	Yes	Bachelor's degree	- 1	Yes	No	Yes
29-1151	Nurse Anesthetists	155,085	202,764	215,160		Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
29-1161	Nurse Midwives	59,686	92,376	106,115		Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
29-1171	Nurse Practitioners	80,636	110,972	121,191		Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
29-1181	Audiologists	66,102	90,693	96,423		Yes	Yes	Yes	Doctoral or professional degree		Yes	No	No
29-1211	Anesthesiologists	98,342	283,661	*		Yes	Yes	Yes*	Doctoral or professional degree	[Yes	Yes	Yes*
29-1212	Cardiologists	170,624	405,483	*		Yes	Yes	Yes*	Doctoral or professional degree		Yes	Yes	Yes*
29-1213	Dermatologists	58,883	245,828	*		Yes	Yes	Yes*	Doctoral or professional degree		Yes	Yes	Yes*
29-1214	Emergency Medicine Physicians	135,052	309,880	*		Yes	Yes	Yes*	Doctoral or professional degree	_	Yes	Yes	Yes*
29-1215 29-1216	Family Medicine Physicians	107,548	184,552	206,921		Yes	Yes	Yes	Doctoral or professional degree	_	Yes	Yes	Yes
29-1216	General Internal Medicine Physicians Neurologists	107,113	224,293	231,840		Yes	Yes	Yes	Doctoral or professional degree		Yes	Yes	Yes
29-1217	*	88,272 58.883	259,804 245,828	*		Yes	Yes	Yes* Yes*	Doctoral or professional degree		Yes	Yes	Yes* Yes*
29-1218	Obstetricians and Gynecologists Pediatricians, General	115,061	184,808	225,270		Yes Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree		Yes	Yes	Yes
29-1222	Physicians, Pathologists	94,002	240,806	223,270		Yes	Yes	Yes*	Doctoral or professional degree		Yes	Yes	Yes*
29-1223	Psychiatrists	53,123	240,800	*		Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*
29-1224	Radiologists	212.711	344.056	*		Yes	Yes	Yes*	Doctoral or professional degree		Yes	Yes	Yes*
29-1229	Physicians, All Other	131,906	259.974	*		Yes	Yes	Yes*	Doctoral or professional degree		Yes	Yes	Yes*
29-1241	Ophthalmologists, Except Pediatric	96,461	207.635	*		Yes	Yes	Yes*	Doctoral or professional degree	- 1	Yes	Yes	Yes*
29-1242	Orthopedic Surgeons, Except Pediatric	61,464	302,999	*		Yes	Yes	Yes*	Doctoral or professional degree		Yes	Yes	Yes*
29-1243	Pediatric Surgeons	61,464	302,999	*		Yes	Yes	Yes*	Doctoral or professional degree	- 1	Yes	Yes	Yes*
29-1249	Surgeons, All Other	61,464	302,999	*		Yes	Yes	Yes*	Doctoral or professional degree	- 1	Yes	Yes	Yes*
29-1291	Acupuncturists	27,422	47,810	51,620		No	No	No	Master's degree		No	No	No
29-1292	Dental Hygienists	65,036	78,180	83,258		Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
29-1299	Healthcare Diagnosing or Treating Practitioners, All Other	58,365	80,106	90,792		Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
29-2010	Clinical Laboratory Technologists and Technicians	31,207	56,541	75,326		No	Yes	Yes	Associate's degree		No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	36,382	72,600	76,015		Yes	Yes	Yes	Associate's degree		No	Yes	Yes
29-2032	Diagnostic Medical Sonographers	59,550	68,350	74,341		Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	62,915	74,435	80,522		Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	49,213	63,157	74,493		Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	62,960	72,614	76,681		Yes	Yes	Yes	Associate's degree	[Yes	Yes	Yes
29-2036	Medical Dosimetrists	95,525	120,848	134,341		Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
29-2042	Emergency Medical Technicians	23,442	40,658	44,967		No	No	No	Postsecondary nondegree award	_	No	No	No
29-2043 29-2051	Paramedics Dietetic Technicians	30,467	48,527	55,777		No	No	No	Postsecondary nondegree award		Yes	Yes	Yes
29-2051	Pharmacy Technicians Pharmacy Technicians	21,221	33,773	44,145		No	No	No	Associate's degree		No	No	No
29-2052	Psychiatric Technicians Psychiatric Technicians	30,547 30,705	40,193 36,059	46,255 37,735		No No	No No	No No	Postsecondary nondegree award		Yes	No No	No No
29-2055	Surgical Technologists	38,893	53,459	60,778		Yes	No	No	Postsecondary nondegree award		Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	28.631	37,009	45,409		No.	No	No	Postsecondary nondegree award Associate's degree		No	No	No
29-2057	Ophthalmic Medical Technicians	29,939	33,759	37,738		No	No	No	Postsecondary nondegree award		Yes	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	39,080	51,351	55,946		Yes	No	No	Postsecondary nondegree award		Yes	Yes	Yes
29-2072	Medical Records Specialists	32,179	52,356	60,847		No	No	No	Postsecondary nondegree award	- 1	Yes	Yes	Yes
29-2081	Opticians, Dispensing	29,753	47,370	58.405		No	No	No	Postsecondary nondegree award	- 1	Yes	Yes	Yes
29-2091	Orthotists and Prosthetists	58,365	76,350	81,994		Yes	Yes	Yes	Master's degree	- 1	Yes	Yes	Yes
29-2092	Hearing Aid Specialists	29,503	50,174	63,355		No	No	Yes	Postsecondary nondegree award	- 1	Yes	Yes	Yes
29-2099	Health Technologists and Technicians, All Other	32,400	47,357	62,754		No	No	Yes	Postsecondary nondegree award	- 1	Yes	Yes	Yes
29-9021	Health Information Technologists and Medical Registrars	33,042	52,997	78,072		No	No	Yes	Postsecondary nondegree award		Yes	Yes	Yes
29-9091	Athletic Trainers	38,188	53,584	51,720		Yes	No	No	Bachelor's degree		No	No	No
29-9092	Genetic Counselors	48,642	83,941	97,378		Yes	Yes	Yes	Master's degree		No	Yes	Yes
29-9093	Surgical Assistants	32,491	58,183	67,922		No	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
29-9099	Healthcare Practitioners and Technical Workers, All Other	27,393	48,263	42,379		No	No	No	Postsecondary nondegree award		No	Yes	No
31-1120	Home Health and Personal Care Aides	22,153	26,729	28,600		No	No	No	High school diploma or equivalent		No	No	No
31-1131	Nursing Assistants	28,959	34,457	36,284		No	No	No	Postsecondary nondegree award		No	No	No
31-1132	Orderlies	23,706	29,030	31,072		No	No	No	High school diploma or equivalent		No	No	No
31-1133	Psychiatric Aides	25,380	30,770	32,746		No	No	No	High school diploma or equivalent		No	No	No
31-2011	Occupational Therapy Assistants	55,841	63,101	71,717		Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
31-2012	Occupational Therapy Aides	28,311	52,973	64,603		No	No	Yes	Postsecondary nondegree award	[No	Yes	Yes
31-2021	Physical Therapist Assistants	26,954	61,213	72,174		No	Yes	Yes	Associate's degree		No	Yes	Yes
31-2022	Physical Therapist Aides	22,345	32,775	35,805		No	No	No	Postsecondary nondegree award		No	No	No
31-9011	Massage Therapists	33,930	52,131	58,201		No	No	No	Postsecondary nondegree award		Yes	Yes	Yes
31-9091	Dental Assistants	37,008	44,644	51,349		Yes	No	No	Postsecondary nondegree award		Yes	Yes	Yes
31-9092	Medical Assistants	27,089	34,964	37,647		No	No	No	Postsecondary nondegree award		No	No	No
31-9093	Medical Equipment Preparers	38,388	44,296	43,938		Yes	No	No	High school diploma or equivalent		Yes	Yes	No
31-9094	Medical Transcriptionists	29,249	40.687	50,569		No	No	No	Postsecondary nondegree award		No	No	Yes

31-9097			/ages (\$) by Occupat	ion	Wage Me	ets or Exceeds All O	occupation Metric	1		Wage Meets	or Exceeds Educati	onal Level Metric
11-9095			Average Annual	High-Level Wage	Representative	Average Annua			1 -	Representative	Average Annua	
31-9096 Veterinary Assistants and	Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
31-9096 Veterinary Assistants and												
31-9097 Phlebotomists 31-9099 Healthcare Support Works 31-9099 Healthcare Support Works 31-1012 First-Line Supervisors of P 33-1012 First-Line Supervisors of P 33-1021 First-Line Supervisors of P 33-1091 First-Line Supervisors of P 33-2021 Fire Inspectors and Invest 33-2021 Fire Inspectors and Invest 33-2022 Fire Inspectors and Invest 33-3011 Ballifs 33-3012 Correctional Officers and 33-3031 Fish and Game Wardens 33-3021 Detectives and Criminal Ir 33-3031 Fish and Game Wardens 33-3052 Transit and Ralincad Polici 33-901 Palking Forcement Work 33-902 Transit and Ralincad Polici 33-9031 Gambling Surveillance off 33-9021 Private Detectives and Irwa 33-9032 Security Guards 33-9093 Scurity Guards 33-9094 Crossing Guards and Flage 33-9095 Lifeguards, Ski Patrol, and		23,107	29,695	34,740	No	No	No	High school diploma or equivalent		No	No	No
31-9099 Healthcare Support Works 33-1011 First-Line Supervisors of C 33-1021 First-Line Supervisors of F 33-1021 First-Line Supervisors of P 33-1091 First-Line Supervisors of P 33-1099 First-Line Supervisors of P 33-2021 Fire Inspectors and Invest 33-2021 Forest Fire Inspectors and Invest 33-2021 Detectives and Crimical F 33-3011 Bailiffs 33-3021 Detectives and Crimical F 33-3031 Fish and Game Wardens 33-3041 Parking Enforcement Wor 33-3051 Police and Sheriffs Patrol 33-901 Animal Control Workers 33-9021 Private Detectives and Inva 33-9021 Private Detectives and Inva 33-9091 Crossing Guards and Flagg 33-9092 Security Guards 33-9093 Transportation Security S 33-9094 Lireguar	sistants and Laboratory Animal Caretakers	20,800	31,393	34,807	No	No	No	High school diploma or equivalent		No	No	No
33-1011 First-Line Supervisors of C		29,727	36,303	36,543	No	No	No	Postsecondary nondegree award	11	Yes	No	No
33-1012		29,355	41,540	48,298	No	No	No	High school diploma or equivalent		Yes	No	No
33-1021	ervisors of Correctional Officers	39,810	51,223	50,117	Yes	No	No	Some college, no degree	11	Yes	Yes	Yes
33-1091	ervisors of Police and Detectives	64,338	82,439	94,337	Yes	Yes	Yes	Bachelor's degree	11	Yes	Yes	No
33-1099	ervisors of Firefighting and Prevention Workers	49,665	71,925	93,736	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
33-2011 Firefighters		29,744	48,409	51,523	No	No	No	Bachelor's degree	11	No	No	No
33-2021 Fire Inspectors and Inwest 33-2021 Fire Inspectors and Inwest 33-2022 Forest Fire Inspectors and 33-2022 Forest Fire Inspectors and 33-2022 Forest Fire Inspectors and 33-2021 Correctional Officers and . 33-3021 Detectives and Criminal IT 33-3031 Fish and Game Wardens 33-3021 Fish and Game Wardens 33-3021 Fish and Game Wardens 33-3031 Fish and Game Wardens 33-3051 Police and Sheriff's Patrol 33-3052 Transit and Raliroad Police 33-3052 Transit and Raliroad Police 33-3052 Transit and Raliroad Police 33-9031 Gambling Surveillance Off 33-9032 Security Guards and Flagg 33-9092 Lifeguards, Ski Patrol, and 33-9093 Transportation Security Scandard Sandon Standard Sandon Standard Sandon S	ervisors of Protective Service Workers, All Other	49,981	64,699	74,831	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
33-2022 Forest Fire Inspectors and 33-3021 Bailiffs 33-3011 Bailiffs 33-3011 Correctional Officers and . 33-3021 Detectives and Criminal in 33-3021 Detectives and Criminal in 33-3021 Detectives and Criminal in 33-3031 Fish and Game Wardens 33-3031 Fish and Game Wardens 33-3051 Police and Sheriff's Patrol 33-3052 Transit and Railroad Police 33-9011 Animal Control Workers 33-9011 Animal Control Workers 33-9021 Private Detectives and Im 33-9031 Gambling Surveillance Off 33-9031 Gambling Surveillance Off 33-9092 Lifeguards , Ski Patrol, and 33-9092 Lifeguards , Ski Patrol, and 33-9093 Lifeguards , Ski Patrol, and 33-9093 Transportation Security Sci 33-9094 School Bus Monitors 33-9094 School Bus Monitors 33-9095 Protective Service Worker 35-1011 Chefs and Head Cooks 35-1012 First-Line Supervisors of Fis- 35-2011 Cooks, Past Food 35-2012 Cooks, Institution and Caff 35-2013 Cooks, Private Household 35-2014 Cooks, Restaurant 35-2015 Cooks, All Other 35-2015 Cooks, All Other 35-2016 Food Preparation Worken 35-3031 Waiters and Waitresses 35-3031 Waiters and Waitresses 35-3031 Waiters and Waitresses 35-3031 Waiters and Waitresses 35-3031 Hosts and Hostesses, Rest 35-9021 Dishwashers 35-9031 Dining Room and Cafeteri 37-2012 Maids and Housekeeping 37-2011 Jaintors and Cleaners, Exc 37-2012 Maids and Housekeeping 37-2011 Pest Control Workers 37-2011 Pest Control Workers 37-2012 Maids and Housekeeping 37-3011 Landscaping and Grounds 37-3012 First-Line Supervisors of L 37-3012 First-Line Supervisors of L 37-3011 Gambling Dealers 37-3011 Gambling Service Workers 37-3012 Animal Caretakers 37-3013 Gambling service Workers 37-3014 Animal Trainers 37-3015 Gambling Service Workers 37-3019 Gambling Service Workers 37-3010 Gambling Service Workers 37-3011 Landscaping and Grounds 37-3012 First-Line Supervisors of L 37-3013 First-Line Supervisors of L 37-3014 Animal Trainers 37-3015 Gambling service Workers 37-3016 Gambling and Sports Bool 37-3017 Gambling Service Workers 37-3		27,533	41,467	46,007	No	No	No	Postsecondary nondegree award	11	No	No	No
33-3011 Bailiffs 33-3012 Correctional Officers and. 33-3021 Detectives and Criminal Ir 33-3031 Fish and Game Wardens 33-3031 Fish and Game Wardens 33-3051 Police and Sheriff's Patrol 33-3052 Transit and Ralincad Police 33-9011 Animal Control Workers 33-9021 Private Detectives and Irv 33-9031 Gambling Surveillance Off 33-9032 Security Guards 33-9093 Security Guards and Flagg 33-9090 Lifeguards, Ski Patrol, and 33-9093 Transportation Security Sc 35-9010 Crossing Guards and Flagg 35-1011 Chefs and Head Cooks 35-1012 First-Line Supervisors of F 35-2012 Cooks, Institution and Caf 35-2013 Cooks, Fast Food 35-2014 Cooks, Short Order 35-2015 Cooks, Short Order 35-2016 Cooks, Short Order 35-2017 Food Preparation Worken 35-2018 Maiters and Worken 35-2		31,688	61,601	71,415	No	Yes	Yes	Postsecondary nondegree award	1 1	Yes	Yes	Yes
33-3012 Correctional Officers and. 33-3021 Detectives and Criminal Ir 33-3021 Fish and Game Wardens 33-3031 Fish and Game Wardens 33-3041 Parking Enforcement Wor 33-3051 Police and Sheriff's Patrol 33-3051 Animal Control Workers 33-9011 Animal Control Workers 33-9021 Private Detectives and inv 33-9031 Gambling Surveillance Off 33-9092 Lifeguards, Ski Patrol, and 33-9093 Security Guards 33-9094 School Bus Monitors 33-9095 Transportation Security St 33-9094 School Bus Monitors 33-9095 Protective Service Worker 35-1011 Chefs and Head Cooks 35-1012 Cooks, Fast Food 35-2011 Cooks, Fast Food 35-2012 Cooks, Institution and Caf 35-2013 Cooks, Short Order 35-2014 Cooks, Restaurant 35-2025 Cooks, Short Order 35-2019 Cooks, All Other 35-2021	pectors and Prevention Specialists	52,632	86,551	97,709	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
33-3021 Detectives and Criminal Ir 33-3031 Fish and Game Wardens 33-3031 Parking Enforcement Wor 33-3051 Police and Sheriff's Patrol 33-3052 Transit and Ralinoad Polici 33-9021 Frioate Detectives and Im 33-9021 Gambling Surveillance Off 33-9031 Gambling Surveillance Off 33-9031 Gambling Surveillance Off 33-9032 Security Guards and Flagg 33-9092 Lifeguards, Ski Patrol, and 33-9093 Crossing Guards and Flagg 33-9099 Protective Service Worker 54-5001 Bus Monitors 54-5011 Chefs and Head Cooks 35-1012 First-Line Supervisors of Fis-2011 Cooks, Frist-Line Supervisors of Fis-2011 Cooks, Private Household 55-2014 Cooks, Private Household 55-2015 Cooks, Short Order 35-2015 Cooks, Short Order 35-2015 Cooks, Short Order 35-2015 Cooks, Short Order 35-2015 Food Preparation Worken 35-3031 Warters and Waitersses 59-2019 Food Preparation Worken 35-3031 Waiters and Waitersses 59-9021 Dishwashers 15-9021 Dishwashers 35-9021 Dishwashers 35-9031 Hosts and Hostesses, Rest 37-2011 Jantors and Kentre State		27,593	52,358	61,663	No	No	No	High school diploma or equivalent		No	Yes	Yes
33-3031 Fish and Game Wardens 33-3061 Parking Enforcement Wor 33-3051 Police and Sheriffs Patrol 33-3052 Transit and Railroad Polic 33-3052 Transit and Railroad Polic 33-3091 Animal Control Workers 33-9021 Private Detectives and Inv 33-9031 Gambling Surveillance Off 33-9032 Security Guards 33-9091 Crossing Guards and Flagg 33-9093 Transportation Security S 33-9093 Transportation Security S 33-9093 Transportation Security S 33-9099 Protective Service Worker 33-9099 Protective Service Worker 35-9011 Cooks, Fast Food 35-9012 First-Line Supervisors of F 35-2012 Cooks, Institution and Caff 35-2013 Cooks, Private Household 35-2014 Cooks, Short Order 35-2015 Cooks, Short Order 35-2016 Cooks, Short Order 35-2017 Cooks, Short Order 35-2018 Bartenders 35-3010 Bartenders 35-3010 Walters and Waitresses 35-3011 Bartenders 35-3011 Bartenders 35-3011 Dining Room and Cafeteri 35-3013 Walters and Waitresses 35-3014 Food Servers, Monrestaur, 35-9011 Dining Room and Cafeteri 35-9011 Dining Room		38,750	42,811	45,009	Yes	No	No	High school diploma or equivalent		Yes	No	No
33-3041		42,765	69,933	64,418	Yes	Yes	Yes	Some college, no degree	\perp	Yes	Yes	Yes
33-3051 Police and Sheriff's Patrol 33-3052 Transit and Raliroad Polic 33-3051 Transit and Raliroad Polic 33-9021 Private Detectives and Inv 33-9021 Private Detectives and Inv 33-9031 Gambling Surveillance Off 33-9032 Security Guards 33-9093 Transportation Security S 33-9093 Transportation Security S 33-9099 Protective Service Worker School Bus Monitors School Bus Monitors 33-9099 Protective Service Worker 55-1011 Colos, Fast Food 55-1012 First-Line Supervisors of F 55-2013 Cooks, Fast Food 55-2014 Cooks, Short Order 35-2015 Cooks, Short Order 35-2016 Cooks, Short Order 35-2011 Food Preparation Worker 35-2012 Food Preparation Worker 35-2013 Walters and Waltresses 35-2014 Food Preparation Worker 35-2015 Cooks, Short Order 35-2016 Food Preparation Worker		25,569	27,725	27,886	No	No	No	Bachelor's degree		No	No	No
33-3052 Transit and Raliroad Polica 33-9011 Animal Control Workers 33-9021 Private Detectives and Inv 33-9031 Gambling Surveillance Off 33-9032 Security Guards 33-9091 Crossing Guards and Flagg 33-9092 Lifeguards, Sik Patrol, and 33-9093 Transportation Security St 33-9094 School Bus Monitors 33-9099 Protective Service Worker 33-9099 Protective Service Worker 35-1011 Chefs and Head Cooks 55-1012 Cooks, Fast Food 35-2011 Cooks, Fast Food 35-2012 Cooks, Institution and Caf 35-2013 Cooks, Short Order 35-2014 Cooks, Restaurant 35-2015 Cooks, All Other 35-2019 Cooks, All Other 35-2019 Cooks, All Other 35-2010 Cooks, All Other 35-2011 Bartender 35-3021 Fast Food and Counter W 35-3031 Walters and Waltresses 35-3031 Walters and Waltr		30,023	38,514	40,084	No	No	No	High school diploma or equivalent		Yes	No	No
33-9011 Animal Control Workers 33-9011 Private Detectives and Inv 33-9021 Private Detectives and Inv 33-9031 Gambling Surveillance off 33-9032 Security Guards 33-9032 Security Guards 33-9091 Crossing Guards and Flagg 33-9092 Lifeguards, Ski Patrol, and 33-9093 Transportation Security Sci 33-9094 School Bus Monitors 33-9099 Protective Service Worker School Bus Monitors 33-9099 Protective Service Worker School Bus Monitors 33-9099 Protective Service Worker School Bus Monitors 33-9091 Cooks, Jast Food School Bus Monitors 35-1011 Cooks, Fast Food School Bus Monitors		43,119	56,412	63,695	Yes	Yes	Yes	Associate's degree		Yes	Yes	No
33-9021 Private Detectives and Inv 33-9031 Gambling Surveillance Off 33-9032 Security Guards 33-9091 Crossing Guards and Flage 33-9092 Lifeguards, Sik Patrol, and 33-9093 Transportation Security St 33-9093 Transportation Security St 33-9093 Transportation Security St 33-9094 School Bus Monitors 33-9099 Protective Service Worker 33-9099 Protective Service Worker 35-1011 Cohes and Head Cooks 55-1012 First-Line Supervisors of F 35-2011 Cooks, Fast Food 35-2012 Cooks, Institution and Caf 35-2013 Cooks, Private Household 35-2015 Cooks, Short Order 35-2016 Cooks, Short Order 35-2017 Cooks, Short Order 35-2018 Cooks, Short Order 35-2019 Cooks, Short Order 35-2019 Cooks, Short Order 35-2019 Cooks, Short Order 35-3031 Walters and Waltresses 35-3041 Food Servers, Nonrestaur 35-3041 Food Servers, Nonrestaur 35-9011 Dining Room and Cafeter 35-9011 Dining Room and Cafeter 35-9011 Dining Room and Cafeter 35-9011 Janitors and Cleaners, Exc 37-2012 Maids and Housekesping 37-2019 Building Cleaning Worker 37-2011 Maids and Housekesping 37-2019 Building Cleaning Worker 37-2011 Maids and Housekesping 37-2019 Pest Control Worker 37-2011 Pest Control Worker 37-2011 Pest Control Worker 37-2011 Janitors and Cleaners, Exc 37-2011 Pest Control Worker 37-2011 Janitors and Cleaners, Exc 37-2011 Janitors and Prunet 37-2019 Pest Control Worker 37-2011 Pest Control Worker 37-2019 Pest Control Worker 37-2011 Janitors and Prunet 37-2019 Pest Control Worker 37-2011 Janitors and Prunet 37-2011 Animal Caretakers 39-3013 Tree Trimmers and Prunet 39-1014 Janitors Supervisors of L 39-1015 First-Line Supervisors of L 39-1016 Gambling and Sports Bool 39-3019 Gambling and Sports Bool 39-3019 Gambling and Sports Bool 39-3019 Gambling and Sports Bool 39-3001 Anusement and Recreatic 39-3001 Locker Room, Coatroom, i		56,471	70,164	57,587	Yes	Yes	No	Associate's degree		Yes	Yes	No
33-9031 Gambling Surveillance Off		26,760	37,777	41,796	No	No	No	Postsecondary nondegree award		No	No	No
33-9092 Security Guards 33-9091 Crossing Guards and Flagg 33-9091 Crossing Guards and Flagg 33-9092 Lifeguards, Sik Patrol, and 33-9093 Transportation Security St 33-9094 School Bus Monitors 33-9099 Protective Service Worker 35-1011 Ches and Head Cooks 35-1012 First-Line Supervisors of F 35-2011 Cooks, Fast Food 35-2012 Cooks, Fast Food 35-2013 Cooks, Fast Food 35-2014 Cooks, Short Order 35-2015 Cooks, All Other 35-2011 Food Preparation Worker 35-2012 Food Preparation Worker 35-3011 Bartenders 35-3021 Fast Food and Counter W. 35-3031 Waiters and Waitresses 35-9011 Dining Room and Cafeteri 35-9021 Dishwashers 35-9031 Hosts and Hostesses, Rest 35-9093 Food Preparation and Ser 37-1011 First-Line Supervisors of I 37-2012 Maids a		28,642 26.827	48,222 33,692	56,733	No No	No No	No No	Bachelor's degree	1 1	No No	No	No No
33-9091 Crossing Guards and Flagg 33-9092 Lifeguards, Ski Patrol, and 33-9093 Transportation Security St 33-9094 School Bus Monitors 33-9094 School Bus Monitors 33-9099 Protective Service Worker 35-1011 Chefs and Head Cooks 55-1012 Cooks, Fast Food 35-2011 Cooks, Fast Food 35-2012 Cooks, Institution and Caf 35-2012 Cooks, Institution and Caf 35-2013 Cooks, Short Order 35-2014 Cooks, Restaurant 53-2019 Cooks, All Other 35-2019 Cooks, All Other 35-2010 Dining Room and Cafeteri 35-3031 Bartenders 35-3031 Walters and Waltresses 35-3041 Food Servers, Nonrestaur 35-9021 Dishwashers 35-9021 Dishwashers 35-9021 Dishwashers 35-9031 Hosts and Hostesses, Rest 35-9099 Food Preparation and Ser 37-1012 First-Line Supervisors of Ir 37-2011 Janitors and Cleaner, Scy 37-2012 Maids and Housekeeping 37-2019 Building Cleaning Workers 37-2011 Landscaping and Grounds 37-3012 Pest Control Workers 37-3012 Pest Control Workers 37-3013 Tree Trimmers and Prune 37-3019 Grounds Maintenance We 39-1013 First-Line Supervisors of E 39-1014 Gambling Service Worker 39-1021 Ainnal Caretakers 39-1021 Gambling Service Worker 39-1031 Gambling Service Worker 39-1031 Gambling Service Worker 39-3031 Ushers, Lobby Attendants 39-3091 Costume Attendants 39-3093 Locker Room, Coatroron, 1 39-3099 Costume Attendants 39-3099 Locker Room, Coatroron, 39-3099 Entertainment Attendants	veillance Officers and Gambling Investigators	,	,	36,519				High school diploma or equivalent	1 1		No	
33-9092 Lifeguards, Ski Patrol, and 33-9093 Transportation Security Sci 33-9094 School Bus Monitors 33-9094 School Bus Monitors 33-9099 Protective Service Worker Sci 51-0112 First-Line Supervisors of Fis-2011 Cooks, First-Line Supervisors of Fis-2011 Cooks, First-Line Supervisors of Fis-2012 Cooks, Private Household 55-2014 Cooks, Restaurant 55-2015 Cooks, Private Household 55-2014 Cooks, Schort Order 55-2015 Cooks, Short Order 55-2016 Food Preparation Worker 55-2019 Food Preparation Worker 55-2019 Food Preparation Worker 55-2019 Dishwashers 15-2019 Dishwashers 15-2011 Dining Room and Cafeteri 55-2011 Dishwashers 15-2011 Dining Room and Cafeteri 57-2011 Dishwashers 15-2011 First-Line Supervisors of Life 17-2011 First-Line Supervisors of Life 17-2012 First-Line Supervisors of Life 17-2012 Maids and Housekeeping 17-2011 Janitors and Cleaners, Exp. 17-2012 Maids and Housekeeping 17-2012 Pest Control Workers 17-2012 Pest Control Workers 17-2012 Pest Control Workers 17-2011 Janitors and Cleaners, Exp. 17-2013 First-Line Supervisors of Life 17-2014 First-Line Supervisors of Life 17-2014 First-Line Supervisors of Life 17-2014 First-Line Supervisors of Endember 17-2015 First-Line Supervisors of E		24,712 27.819	32,181 40.036	36,359 52.624	No	No	No	High school diploma or equivalent	+	No	No	No
33-9093 Transportation Security Sci 33-9094 School Bus Monitors Sand School Sch					No	No	No	No formal educational credential		Yes	Yes	Yes
33-9094 School Bus Monitors 33-9099 Protective Service Worker 33-9099 Protective Service Worker 35-1011 Chefs and Head Cooks 35-1012 First-Line Supervisors of F 35-2011 Cooks, Frivate Household 35-2012 Cooks, Private Household 35-2015 Cooks, Short Order 35-2016 Cooks, Short Order 35-2017 Cooks, Short Order 35-2018 Cooks, Short Order 35-2019 Cooks, All Other 35-2021 Food Preparation Worker 35-2031 Bartenders 35-3031 Waiters and Waitresses 35-3041 Food Servers, Monrestaun 35-9021 Dishwashers 35-9031 Hosts and Hostesses, Rest 35-9091 Dishwashers 37-0011 First-Line Supervisors of L 37-2019 Building Cleaning Workers 37-2011 Janitors and Cleaners, Ex 37-2012 Maids and Housekeeping 37-2013 Pest Control Workers 37-2014 Janitors and	Patrol, and Other Recreational Protective Service Workers	19,697 33,951	28,264	31,545	No	No No	No No	No formal educational credential	1 - }	No	No	No No
33-9099 Protective Service Worker 35-1011 Chefs and Head Cooks 55-1012 First-Line Supervisors of F 35-2011 Cooks, Fast Food 35-2012 Cooks, Institution and Caf 55-2013 Cooks, Sinstitution and Caf 55-2013 Cooks, Sinstitution and Caf 55-2013 Cooks, Sinstitution and Caf 55-2015 Cooks, Short Order 25-2015 Cooks, Short Order 25-2015 Cooks, Short Order 25-2016 Cooks, Short Order 25-2017 Cooks, Short Order 25-2018 Cooks, Short Order 25-2019 Cooks, Short Order 25-2019 Cooks, Short Order 25-2019 Cooks, Short Order 25-2010 Food Preparation Worker 25-2010 Bartenders 25-2021 Dishwashers 27-2021 Maids and Housekeeping 27-2021 Maids and Housekeeping 27-2021 Maids and Housekeeping 27-2021 Dest Control Workers 27-2		21,588	41,612 25,777	45,802 26.921	No No	No No	No No	High school diploma or equivalent	+	Yes	No No	No No
35-1011		21,197	37,018	45,873	No	No	No	High school diploma or equivalent		No	No	No
15-1012		34.252	54.886	45,873 64.037	No	Yes	Yes	High school diploma or equivalent		No	No	Yes
35-2011 Cooks, Fast Food 35-2012 Cooks, Institution and Caf 35-2012 Cooks, Institution and Caf 35-2013 Cooks, Private Household 35-2014 Cooks, Short Order 35-2015 Cooks, Short Order 35-2019 Cooks, All Other 35-2021 Food Preparation Worker 35-3023 Fast Food and Counter W 35-3031 Walters and Waltresses 35-3031 Walters and Waltresses 35-9011 Dishwashers 35-9021 Dishwashers 35-9031 Hosts and Hostesses, Rest 35-9099 Food Preparation and Ser 37-1011 First-Line Supervisors of I 37-2011 Janitors and Cleaning Worker 37-2012 Maids and Housekeeping 37-2013 Building Cleaning Workers 37-2014 Pest Control Workers 37-2015 Past Control Workers 37-3011 Landscaping and Grounds Maintenance We 37-3012 Pest Cide Handlers, Sporsy 37-3013 Tree Trimmers and Prune 3		26.965	38.045	44.852	No	No Yes	No No	Associate's degree		No	No	No.
35-2012 Cooks, Institution and Caff		20,965	25.888	28.027	No No	No No	No No	High school diploma or equivalent No formal educational credential		No.	No	No No
35-2013 Cooks, Private Household 35-2014 Cooks, Restaurant 35-2014 Cooks, Restaurant 35-2015 Cooks, Short Order 35-2019 Cooks, All Other 35-2021 Food Preparation Worker 35-3023 Fast Food and Counter Wi 35-3031 Walters and Waltresses 35-3041 Food Servers, Morrestaur 35-9011 Dining Room and Cafeter 35-9021 Dishwashers 35-9031 Hosts and Hostesses, Rest 35-9099 Food Preparation and Ser 37-1011 First-Line Supervisors of I First-Line Supervisors of G Gambling Service 39-1012 First-Line Supervisors of B Gambling Service 39-2021 Animal Caretakers 39-2021 Animal Garetakers 39-2021 Animal Garetakers 39-2021 Animal Garetakers 39-2021 Anim		21,968	32.774	36.800	No	No No	No No	No formal educational credential No formal educational credential		Yes	Yes	Yes
35-2014		30,590	55,658	68.584	No		Yes			Yes	Yes	Yes
35-2015 Cooks, Short Order 35-2019 Cooks, All Other 35-2019 Cooks, All Other 35-2021 Food Preparation Workers 35-3011 Bartenders 35-3023 Fast Food and Counter W. 35-3031 Walters and Waitresses 35-3041 Food Servers, Monrestaun 35-9021 Dishwashers 35-9021 Dishwashers 35-9031 Hosts and Hostesses, Rest 35-9099 Food Preparation and Ser 37-1011 First-Line Supervisors of I L 37-1012 First-Line Supervisors of I L 37-2012 Maids and Housekeeping 37-2013 Maids and Housekeeping 37-2019 Building Cleaning Workers 37-2011 Jandscaping and Grounds 37-2012 Pest Control Workers 37-3011 Landscaping and Grounds 37-3012 Pesticule Handlers, Sprays 37-3013 Tree Trimmers and Prune 39-1014 Sprays Sprays 39-1015 First-Line Supervisors of E 39-1016 Fir		26,287	31,315	34,987	No	Yes No	No	Postsecondary nondegree award High school diploma or equivalent		No	No	No
35-2019 Cooks, All Other 35-2021 Food Preparation Worker 35-3021 Bartenders 35-3023 Fast Food and Counter W 35-3031 Walters and Waitresses 35-3041 Food Servers, Nonrestaur 35-9011 Dining Room and Cafeteri 35-9021 Dishwashers 35-9031 Hosts and Hostesses, Rest 35-9093 Food Preparation and Ser 37-1012 First-Line Supervisors of I 37-2011 Janitors and Cleaners, Exc 37-2012 Maids and Housekeeping 37-2013 Building Cleaning Workers 37-2014 Pest Control Workers 37-2015 Pest Control Workers 37-3011 Landscaping and Grounds 37-3012 Pest Control Workers 37-3013 Tree Trimmers and Prune 37-3013 Tree Trimmers and Prune 37-3014 Grounds Maintenance W 39-1015 First-Line Supervisors of E 39-1014 Gambling Service 39-1015 First-Line Supervisors of E 39-2021		24,337	28.986	31,520	No	No	No			Yes	No	No
15-2021 Food Preparation Workers 15-3021 Food Preparation Workers 15-3031 Bartenders 15-3031 Waiters and Waitresses 15-3041 Food Servers, Nonrestatur 15-3041 Food Servers, Nonrestatur 15-3041 Dining Room and Cafeteri 15-3041 Dining Room and Cafeteri 15-3051 Dishwashers 15-3021		25,692	31.706	33,550	No	No	No	No formal educational credential No formal educational credential		Yes	Yes	No
35-3011 Bartenders 35-3023 Fast Food and Counter Wi 35-3024 Food Servers, Monrestaur 35-3041 Food Servers, Monrestaur 35-9011 Dining Room and Cafeter 35-9021 Dishwashers 35-9031 Hosts and Hostesses, Rest 35-9031 Hosts and Hostesses, Rest 35-9031 First-Line Supervisors of H 37-1012 First-Line Supervisors of H 37-2011 Janitors and Cleaners, Exc 37-2012 Maids and Housekeping 37-2013 Building Cleaning Workers 37-2014 Pest Control Workers 37-2015 Pest Control Workers 37-2010 Pest Control Workers 37-2011 Landscaping and Grounds 37-2012 Pest Control Workers 37-2013 Tree Trimmers and Frune 37-3010 Grounds Maintenance Wash 37-3011 First-Line Supervisors of E 39-1012 First-Line Supervisors of E 39-1014 Gambling Service 39-2015 Animal Trianers 39-2021<		23,192	29,886	33,830	No	No	No	No formal educational credential		No	No	Yes
35-3023 Fast Food and Counter W. 35-3031 Waiters and Waitresses 35-3041 Food Servers, Nomrestaur. 35-9011 Dining Room and Cafeteri 35-9021 Dishwashers 35-9031 Hosts and Hostesses, Rest 35-9099 Food Preparation and Ser 37-1011 First-Line Supervisors of Line Supervisors of Lin	IOII WOIKEIS	20,800	33.231	36.241	No	No	No	No formal educational credential	-11-	No	Yes	Yes
35-3031 Walters and Waltersses 35-3041 Food Servers, Nonrestaur 35-9011 Dining Room and Cafeter 35-9021 Dishwashers 35-9031 Hosts and Hostesses, Rest 35-9099 Food Preparation and Ser 37-1011 First-Line Supervisors of H 37-1012 First-Line Supervisors of H 37-1011 Janitors and Cleaners, Exc 37-2012 Malds and Housekeeping 37-2019 Building Cleaning Workers 37-2011 Landscaping and Grounds 37-3012 Pest Control Workers 37-3013 Tree Trimmers and Prune 37-3019 Grounds Maintenance W 39-1013 First-Line Supervisors of Erst-Line Supervisors of Grist-Line Supervisors of P 39-1012 Animal Trainers 39-2021 Animal Trainers 39-3010 Gambling Dealers 39-3021 Motion Picture Projection 39-3031 Ushers, Lobby Attendants 39-3092 Costume Attendants	Counter Workers	22,104	25,411	27,270	No	No	No	No formal educational credential		No	No	No
35-9041 Food Servers, Nonrestauri 35-9011 Dining Room and Cafeteri 35-9021 Dishwashers Si-90931 Hosts and Hostesses, Rest 35-90931 Hosts and Hostesses, Rest 35-9099 Food Preparation and Ser 37-9012 First-Line Supervisors of H 37-2011 Janitors and Cleaners, Exc 37-2012 Maids and Housekeeping 37-2011 Maids and Housekeeping 37-2019 Building Cleaning Workers 37-2019 Pest Control Workers 37-2011 Landscaping and Grounds 37-3011 Landscaping and Grounds 37-3012 Pest Control Workers 37-3013 Tree Trimmers and Prune 37-3013 Tree Trimmers and Prune 37-3019 Grounds Maintenance Was 39-1013 First-Line Supervisors of F Gambling Service Workers 39-1014 Gambling Service Workers 39-2021 Animal Trainers Animal Trainers Animal Trainers 39-2021 Animal Caretakers 39-3011 Gambling Dealers Gambling Service Workers 39-3021 Gambling Service Workers 39-3021 Motion Picture Projection 39-3031 Ushers, Lobby Attendants 39-3091 Costume Attendants 39-3099 Costume Attendants 39-3099 Costume Attendants 39-3099 Entertainment Attendants Control Michael 19-30-3099 Costume Attendants Contr		20,800	31,932	35.863	No	No	No	No formal educational credential		No	Yes	Yes
35-9011 Dining Room and Cafeteri 35-9021 Dishwashers 35-9031 Hosts and Hostesses, Rest 35-9099 Food Preparation and Sen 37-1011 First-Line Supervisors of I 37-1012 First-Line Supervisors of I 37-2011 Janitors and Cleaners, Ex 37-2019 Building Cleaning Workers 37-2021 Pest Control Workers 37-2021 Pest Control Workers 37-2011 Landscaping and Grounds 37-3011 Landscaping and Grounds 37-3013 Tree Trimmers and Prune 37-3010 Grounds Maintenance W 39-1013 First-Line Supervisors of E 39-1014 Gambling Services 39-1022 First-Line Supervisors of E 39-2021 Animal Caretakers 39-2021 Animal Garetakers 39-3011 Gambling Bealers 39-3012 Gambling Gervice 39-3013 Usbers, Lobby Attendants 39-3021 Animal Caretakers 39-3031 Usbers, Lobby Attendants 39-3093		21,144	26,732	29,437	No	No	No	No formal educational credential		No	No	No
35-9021 Dishwashers 35-9031 Hosts and Hostesses, Rest 35-9039 Food Preparation and Ser 37-1011 First-Line Supervisors of H 37-1012 First-Line Supervisors of H 37-2011 Janitors and Cleaners, Exc 37-2012 Maids and Housekeeping 37-2013 Building Cleaning Workers 37-2021 Pest Control Workers 37-3011 Landscaping and Grounds 37-3012 Pesticide Handlers, Spray 37-3013 Tree Trimmers and Frune 37-3016 Grounds Maintenance Walmienance Walmiena	and Cafeteria Attendants and Bartender Helpers	20,952	27.469	31,032	No	No	No	No formal educational credential		No	No	No
35-9031 Hosts and Hostesses, Rest 35-9099 Food Preparation and Sen 37-0011 First-Line Supervisors of Ir 37-1012 First-Line Supervisors of Ir 37-2011 Janitors and Cleaners, Ex- 37-2012 Maids and Housekeeping 37-2013 Building Cleaning Workers 37-2011 Landscaping and Grounds 37-3011 Landscaping and Grounds 37-3013 Tree Trimmers and Prune 37-3013 Tree Trimmers and Prune 37-3010 Grounds Maintenance Wa 39-1013 First-Line Supervisors of E 39-1014 Gambling Services 39-1022 First-Line Supervisors of P 39-2011 Animal Trainers 39-2021 Animal Garetakers 39-3011 Gambling Dealers 39-3012 Gambling and Sports Bool 39-3019 Gambling Service Workers 39-3021 Motion Picture Projection 39-3031 Ushers, Lobby Attendants 39-3041 Answeement and Recreatie 39-3092 Costume Attendants <t< td=""><td>and cureteria Accerdants and Barceriae Trespers</td><td>21,599</td><td>25,976</td><td>28,158</td><td>No</td><td>No</td><td>No</td><td>No formal educational credential</td><td></td><td>No</td><td>No</td><td>No</td></t<>	and cureteria Accerdants and Barceriae Trespers	21,599	25,976	28,158	No	No	No	No formal educational credential		No	No	No
35-9099 Food Preparation and Sen 37-1011 37-1011 First-Line Supervisors of H 37-1012 37-1011 First-Line Supervisors of L 37-2011 37-2011 Janitors and Cleaners, Exc 37-2019 Malds and Housekeeping 37-2019 Building Cleaning Workers 37-2021 37-3011 Landscaping and Grounds 37-3012 Pesticide Handlers, Spray 37-3013 Tree Trimmers and Prune 37-3019 Grounds Maintenance Wc 39-1013 First-Line Supervisors of E first-Line Supervisors of E first-Line Supervisors of E first-Line Supervisors of E 39-1014 Gambling Services 39-2021 Animal Trainers 39-2021 39-2021 Animal Trainers 39-3010 Gambling Dealers 39-3012 Gambling Dealers 39-3012 39-3021 Motion Picture Projection 39-3021 Motion Picture Projection 39-3031 Ushers, Lobby Attendants 39-3091 39-3092 Costume Attendants 39-3099 Locker Room, Coatroom, i 39-3099 Locker Room, Coatroom, i 39-3099	stesses, Restaurant, Lounge, and Coffee Shop	20,868	27,543	29,055	No	No	No	No formal educational credential	1 1	No	No	No
37-1011	tion and Serving Related Workers, All Other	20,983	26,704	27,318	No	No	No	No formal educational credential		No	No	No
37-1012	ervisors of Housekeeping and Janitorial Workers	29,807	45,111	51.458	No	No	No	High school diploma or equivalent	1 1	Yes	Yes	Yes
37-2011 Janitors and Cleaners, Exc	ervisors of Landscaping, Lawn Service, and Groundskeeping	34,080	51,550	61,095	No	No	No	Some college, no degree		Yes	Yes	Yes
37-2012	leaners, Except Maids and Housekeeping Cleaners	21.816	29,332	30,409	No	No	No	High school diploma or equivalent		No	No	No
37-2019 Building Cleaning Workers 37-3011 Landscaping and Grounds 37-3011 Landscaping and Grounds 37-3012 Pesticide Handlers, Spray 37-3013 Tree Trimmers and Prune 37-3019 Grounds Maintenance Wo 37-3019 Grounds Maintenance Wo 39-1013 First-Line Supervisors of G First-Line Supervisors of G 59-1014 Gambling Services 39-1014 Gambling Services 39-1015 Animal Trainers 39-2011 Animal Trainers 39-2021 Animal Caretakers 39-3010 Gambling Dealers 39-3011 Gambling Dealers 39-3019 Gambling Postrice Workers 39-3010 Motion Picture Projection 39-3031 Ushers, Lobby Attendants 39-3091 Amusement and Recreati 39-3092 Costume Attendants 39-3099 Locker Room, Coatroom, i 39-3099 Entertainment Attendants 39-3099 Entertainment Attendants		22.543	29.013	34.666	No	No	No	No formal educational credential		No	No	Yes
37-3011 Landscaping and Grounds 37-3012 Pesticide Handlers, Spraye 37-3013 Tree Trimmers and Prune 37-3019 Grounds Maintenance W 39-1013 First-Line Supervisors of G 39-1014 Gambling Services 39-1015 First-Line Supervisors of P 39-1021 Animal Trainers 39-2021 Animal Trainers 39-3011 Gambling Dealers 39-3012 Gambling Dealers 39-3013 Gambling Dealers 39-3021 Motion Picture Projection 39-3031 Ushers, Lobby Attendants 39-3091 Amusement and Recreating 39-3092 Costume Attendants 39-3093 Locker Room, Coatroom, i 39-3099 Entertainment Attendants 39-3099 Entertainment Attendants		23,110	28,765	31,394	No	No	No	No formal educational credential	1 1	No	No	No
37-3012 Pesticide Handlers, Spray 37-3013 Tree Trimmers and Prune 37-3019 Grounds Maintenance Wash 39-1013 First-Line Supervisors of Erist-Line Supervisors of Erist-Line Supervisors of Expervisors of Pay-1022 39-1014 Gambling Services 39-2021 Animal Trainers 39-2021 Animal Caretakers 39-3011 Gambling Dealers 39-3012 Gambling and Sports Bool 39-3019 Gambling Pervice Workers 39-3021 Motion Picture Projection 39-3031 Ushers, Lobby Attendants 39-3091 Amusement and Recreatic 39-3092 Costume Attendants 39-3093 Locker Room, Coatroom, i 39-3099 Entertainment Attendants 39-3099 Entertainment Attendants		30,694	40,586	44,415	No	No	No	High school diploma or equivalent	1 1	Yes	No	No
37-3012 Pesticide Handlers, Spray 37-3013 Tree Trimmers and Prune 37-3019 Grounds Maintenance Wash 39-1013 First-Line Supervisors of Erist-Line Supervisors of Erist-Line Supervisors of Expervisors of Pay-1022 39-1014 Gambling Services 39-2021 Animal Trainers 39-2021 Animal Caretakers 39-3011 Gambling Dealers 39-3012 Gambling and Sports Bool 39-3019 Gambling Pervice Workers 39-3021 Motion Picture Projection 39-3031 Ushers, Lobby Attendants 39-3091 Amusement and Recreatic 39-3092 Costume Attendants 39-3093 Locker Room, Coatroom, i 39-3099 Entertainment Attendants 39-3099 Entertainment Attendants	nd Groundskeeping Workers	26,754	32,741	35,889	No	No	No	No formal educational credential		Yes	Yes	Yes
37-3013 Tree Trimmers and Prune	dlers, Sprayers, and Applicators, Vegetation	22,713	37,294	43,920	No	No	No	High school diploma or equivalent		No	No	No
39-1013 First-Line Supervisors of G		29,387	38,783	45,586	No	No	No	High school diploma or equivalent		Yes	No	No
First-Line Supervisors of E	tenance Workers, All Other											
First-Line Supervisors of E	ervisors of Gambling Services Workers	31,205	54,589	66,996	No	No	Yes	Some college, no degree	1 1	Yes	Yes	Yes
39-1014 Gambling Services 39-1022 First-Line Supervisors of P 39-2021 Animal Trainers 39-2021 Animal Caretakers 39-3011 Gambling Dealers 39-3012 Gambling and Sports Bool 39-3019 Gambling service Workers 39-3021 Motion Picture Projection 39-3031 Ushers, Lobby Attendants 39-3091 Amusement and Recreatic 39-3092 Costume Attendants 39-3093 Locker Room, Coatroom, i 39-3099 Entertainment Attendantment	ervisors of Entertainment and Recreation Workers, Except											
39-2011 Animal Trainers	rices	28,015	45,165	58,345	No	No	No	Some college, no degree		No	Yes	Yes
39-2021 Animal Caretakers 39-3011 Gambling Dealers 39-3012 Gambling and Sports Bool 39-3019 Gambling Service Workers 39-3021 Motion Picture Projection 39-3031 Ushers, Lobby Attendants 39-3091 Amusement and Recreatie 39-3092 Costume Attendants 39-3093 Locker Room, Coatroom, 39-3099 Entertainment Attendants	ervisors of Personal Service Workers	20,800	44,075	54,704	No	No	No	Some college, no degree		No	Yes	Yes
39-3011 Gambling Dealers 39-3012 Gambling and Sports Bool 39-3019 Gambling Service Workers 39-3021 Motion Picture Projection 39-3031 Ushers, Lobby Attendants 39-3091 Amusement and Recreating 39-3092 Costume Attendants 39-3093 Locker Room, Coatroom, 39-3099 Entertainment Attendants	rs	22,145	28,287	29,401	No	No	No	High school diploma or equivalent		No	No	No
39-3012 Gambling and Sports Bool Gambling Service Worker: 39-3021 Motion Pitcure Projection 39-3031 Ushers, Lobby Attendants 39-3091 Amusement and Recreation 39-3092 Costume Attendants 39-3093 Locker Room, Coatroom, 39-3099 Entertainment Attendants	kers	22,705	28,567	29,717	No	No	No	High school diploma or equivalent		No	No	No
39-3019 Gambling Service Workers 39-3021 Motion Picture Projection 39-3031 Ushers, Lobby Attendants 39-3091 Amusement and Recreati 39-3092 Costume Attendants 39-3093 Locker Room, Coatroom, : 39-3099 Entertainment Attendants		20,302	33,285	44,954	No	No	No	High school diploma or equivalent		No	No	No
39-3019 Gambling Service Workers 39-3021 Motion Picture Projection 39-3031 Ushers, Lobby Attendants 39-3091 Amusement and Recreati 39-3092 Costume Attendants 39-3093 Locker Room, Coatroom, : 39-3099 Entertainment Attendants	Sports Book Writers and Runners	20,264	27,044	29,096	No	No	No	High school diploma or equivalent		No	No	No
39-3031 Ushers, Lobby Attendants 39-3091 Amusement and Recreation 39-3092 Costume Attendants 39-3093 Locker Room, Coatroom, 39-3099 Entertainment Attendants		19,668	30,628	35,611	No	No	No	High school diploma or equivalent		No	No	No
39-3091 Amusement and Recreation 39-3092 Costume Attendants 39-3093 Locker Room, Coatroom, 39-3099 Entertainment Attendants	e Projectionists											
39-3092 Costume Attendants 39-3093 Locker Room, Coatroom, 39-3099 Entertainment Attendants	Attendants, and Ticket Takers	20,274	24,917	26,827	No	No	No	No formal educational credential		No	No	No
39-3093 Locker Room, Coatroom, 3 39-3099 Entertainment Attendants	nd Recreation Attendants	20,991	25,363	28,014	No	No	No	No formal educational credential		No	No	No
39-3099 Entertainment Attendants		24,453	39,280	45,710	No	No	No	High school diploma or equivalent		No	No	No
	Coatroom, and Dressing Room Attendants	21,427	28,642	31,318	No	No	No	High school diploma or equivalent		No	No	No
39-4011 Embalmers	t Attendants and Related Workers, All Other	22,023	27,413	27,460	No	No	No	High school diploma or equivalent		No	No	No
		30,893	44,150	49,464	No	No	No	Associate's degree		No	No	No
39-4012 Crematory Operators		30,769	33,953	35,154	No	No	No	High school diploma or equivalent		Yes	No	No
39-4021 Funeral Attendants		22,106	31,180	35,728	No	No	No	High school diploma or equivalent		No	No	No
	ndertakers, and Funeral Arrangers	34,973	57,327	72,870	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
39-5011 Barbers		20,652	31,942	35,261	No	No	No	Postsecondary nondegree award		No	No	No
	Hairstylists, and Cosmetologists	21,442	31,916	35,792	No	No	No	Postsecondary nondegree award		No	No	No
39-5091 Makeup Artists, Theatrica 39-5092 Manicurists and Pedicurist	s, Theatrical and Performance	21,257	31,725	33,304	No	No	No	Postsecondary nondegree award		No	No	No

Wages - Workforce Re	egion 9						1					
May 2022			ages (\$) by Occupat Average Annual	ion High-Level Wage	Representative	Average Annu	Occupation Metric			wage ivieets o	Average Annua	tional Level Metric al High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		ing Wage	Wage	Threshold
			-			•						
39-5093	Shampooers	19,668	23,205	25,039	No	No	No	High school diploma or equivalent	No		No	No
39-5094	Skincare Specialists	28,911	43,290	43,680	No	No	No	Postsecondary nondegree award	No		Yes	No
39-6011	Baggage Porters and Bellhops	20,444	28,056	32,576	No	No	No	High school diploma or equivalent	No		No	No
39-6012	Concierges	23,375	33,767	36,160	No	No	No	High school diploma or equivalent	No		No	No
39-7010 39-9011	Tour and Travel Guides Childcare Workers	24,782	33,082	37,467 28.989	No	No	No	High school diploma or equivalent	No		No	No
39-9011	Exercise Trainers and Group Fitness Instructors	22,012 20,800	26,854 39,673	28,989 46,332	No No	No No	No No	High school diploma or equivalent	No No		No No	No No
39-9032	Recreation Workers	20,800	39,673	46,332 35.358	No No	No	No	Postsecondary nondegree award Bachelor's degree	No No		No	No No
39-9041	Residential Advisors	25,956	36,895	43,419	No	No	No	Some college, no degree	No		No	No
39-9099	Personal Care and Service Workers, All Other	20,800	29.463	27.245	No	No	No	High school diploma or equivalent	No		No	No
41-1011	First-Line Supervisors of Retail Sales Workers	28,015	47,003	53,131	No	No	No	Some college, no degree	No		Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	41,949	85,137	94.802	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
41-2011	Cashiers	21,515	25,936	27,989	No	No	No	No formal educational credential	No		No	No
41-2012	Gambling Change Persons and Booth Cashiers	20,075	31,470	32,604	No	No	No	No formal educational credential	No		Yes	No
41-2021	Counter and Rental Clerks	23,062	33,169	36,253	No	No	No	No formal educational credential	No		Yes	Yes
41-2022	Parts Salespersons	22,156	35,292	40,194	No	No	No	High school diploma or equivalent	No		No	No
41-2031	Retail Salespersons	21,827	31,108	33,514	No	No	No	High school diploma or equivalent	No		No	No
41-3011	Advertising Sales Agents	30,729	56,268	59,956	No	Yes	No	Some college, no degree	Yes		Yes	Yes
41-3021	Insurance Sales Agents	22,473	66,723	82,835	No	Yes	Yes	Postsecondary nondegree award	No		Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	38,370	68,064	74,758	Yes	Yes	Yes	Bachelor's degree	No		No	No
41-3041	Travel Agents	36,787	42,069	46,269	Yes	No	No	Some college, no degree	Yes		No	No
41 2001	Sales Representatives of Services, Except Advertising, Insurance, Financial	22.425	64.357	72 200	No	Voc	Voc	Racholar's dograe	A1-		No	No
41-3091	Services, and Travel Sales Representatives, Wholesale and Manufacturing, Technical and Scientific	32,135	64,357	73,386	No	Yes	Yes	Bachelor's degree	No		No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	44,399	97,618	113,415	Yes	Yes	Yes	Racholar's dograe	No		Yes	Yes
41-4011	Sales Representatives, Wholesale and Manufacturing, Except Technical and	44,399	97,018	113,415	res	res	res	Bachelor's degree	NO		res	res
41-4012	Scientific Products	29.052	66.070	78.620	No	Yes	Yes	Some college, no degree	Yes		Yes	Yes
41-9011	Demonstrators and Product Promoters	29,032	27.253	29.620	No	No	No.	No formal educational credential	No		No	No
41-9012	Models	20,784	30,902	33,228	No	No	No	High school diploma or equivalent	No		No	No
41-9021	Real Estate Brokers	27,025	53,502	59,989	No	No	No	Postsecondary nondegree award	No		Yes	Yes
41-9022	Real Estate Sales Agents	23,982	47.551	56,545	No.	No	No	Postsecondary nondegree award	No.		Yes	Yes
41-9031	Sales Engineers	38,555	125.382	185.475	Yes	Yes	Yes	Bachelor's degree	No		Yes	Yes
41-9041	Telemarketers	21.102	23,521	21.102	No	No	No	High school diploma or equivalent	No		No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	20.387	33,550	47.204	No	No	No	High school diploma or equivalent	No		No	No
41-9099	Sales and Related Workers, All Other	23,105	44.096	41,336	No	No	No	Some college, no degree	No		Yes	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	37.267	59.622	70.419	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	24,965	32,443	33,535	No	No	No	High school diploma or equivalent	No		No	No
43-2021	Telephone Operators	24.642	29,607	32.415	No	No	No	High school diploma or equivalent	No		No	No
43-2099	Communications Equipment Operators, All Other	21,966	46,514	54,552	No	No	No	High school diploma or equivalent	No		Yes	Yes
43-3011	Bill and Account Collectors	29,563	37,179	44,135	No	No	No	High school diploma or equivalent	Yes		No	No
43-3021	Billing and Posting Clerks	30,875	39,675	43,872	No	No	No	High school diploma or equivalent	Yes		No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	30,003	46,531	50,638	No	No	No	Some college, no degree	Yes		Yes	Yes
43-3041	Gambling Cage Workers	20,983	30,306	36,056	No	No	No	High school diploma or equivalent	No		No	No
43-3051	Payroll and Timekeeping Clerks	31,272	43,930	49,483	No	No	No	Some college, no degree	Yes		Yes	Yes
43-3061	Procurement Clerks	34,617	43,858	50,450	Yes	No	No	Associate's degree	No		No	No
43-3071	Tellers	30,811	36,577	37,453	No	No	No	High school diploma or equivalent	Yes		No	No
43-3099	Financial Clerks, All Other	30,860	54,551	64,877	No	No	Yes	Some college, no degree	Yes		Yes	Yes
43-4011	Brokerage Clerks	44,496	55,457	62,418	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-4021	Correspondence Clerks	31,621	35,318	38,391	No	No	No	High school diploma or equivalent	Yes		No	No
43-4031	Court, Municipal, and License Clerks	30,947	38,749	42,719	No	No	No	Some college, no degree	Yes		No	No
43-4041	Credit Authorizers, Checkers, and Clerks	27,299	41,304	48,140	No	No	No	Some college, no degree	No		No	No
43-4051	Customer Service Representatives	26,743	37,363	39,882	No	No	No	High school diploma or equivalent	No		No	No
43-4061 43-4071	Eligibility Interviewers, Government Programs	27,040 29,453	34,980 43.016	41,188 50,055	No No	No No	No No	High school diploma or equivalent	No		No No	No
43-4071 43-4081	File Clerks Hotel, Motel, and Resort Desk Clerks	29,453 22.887	43,016 27.995	50,055 28.840	No No	No No	No No	High school diploma or equivalent	Yes		No No	Yes No
43-4081	Interviewers, Except Eligibility and Loan	22,887	27,995 34.995	28,840 39.261				High school diploma or equivalent	No No			
43-4111	Library Assistants, Clerical	21,227	34,995 25,228	39,261 27,480	No No	No No	No No	High school diploma or equivalent	No No		No No	No No
43-4121	Loan Interviewers and Clerks	20,800 30.818	25,228 42,552	27,480 47.566	No No	No No	No No	Some college, no degree	Yes		No No	No No
43-4131	New Accounts Clerks	30,818	42,552 37,354	47,566 37,606	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	Yes		No No	No No
43-4141	Order Clerks	25,473	39,353	49,199	No	No	No	High school diploma or equivalent	No		No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	34.782	42.254	47,014	Yes	No	No		No		No	No
43-4171	Receptionists and Information Clerks	22,880	30,253	33,964	No	No	No	Associate's degree High school diploma or equivalent	No		No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	27,678	39,942	45.843	No	No	No	High school diploma or equivalent	No		No	No
43-4199	Information and Record Clerks, All Other	36,072	42,261	47,050	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-5011	Cargo and Freight Agents	33,320	46,138	48,131	No	No	No	High school diploma or equivalent	Yes		Yes	No
43-5021	Couriers and Messengers	28,581	33,774	35,899	No	No	No	High school diploma or equivalent	No		No	No
43-5031	Public Safety Telecommunicators	38,336	44,367	49,470	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
43-5032	Dispatchers, Except Police, Fire, and Ambulance	29,344	42,187	46,845	No	No	No	High school diploma or equivalent	Yes		No	No
43-5041	Meter Readers, Utilities	35,548	44,951	45,060	Yes	No	No	High school diploma or equivalent	Yes		Yes	No
43-5051	Postal Service Clerks	39,770	54,837	68,307	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
	Postal Service Mail Carriers	39,645	54,030	69,742	Yes	No	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5052		36.026	52,906	68,307	Yes	No	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	,										
	Postal Service Mail Sorters, Processors, and Processing Machine Operators Production, Planning, and Expediting Clerks	34,757	45,599	49,244	Yes	No	No	Some college, no degree	Yes		Yes	Yes
43-5053 43-5061 43-5071	Production, Planning, and Expediting Clerks Shipping, Receiving, and Inventory Clerks	34,757 26,975	37,233	43,803	Yes No	No No	No No	Some college, no degree High school diploma or equivalent	No Yes		Yes No	Yes No
43-5053 43-5061 43-5071 43-5111	Production, Planning, and Expediting Clerks Shipping, Receiving, and Inventory Clerks Weighers, Measurers, Checkers, and Samplers, Recordkeeping	34,757 26,975 30,780	37,233 40,917	43,803 46,013	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No Yes		No No	No No
43-5053 43-5061 43-5071 43-5111 43-6011	Production, Planning, and Expediting Clerks Shipping, Receiving, and Inventory Clerks Weighers, Measurers, Checkers, and Samplers, Recordkeeping Executive Secretaries and Executive Administrative Assistants	34,757 26,975 30,780 38,529	37,233 40,917 57,293	43,803 46,013 63,609	No No Yes	No No Yes	No No Yes	High school diploma or equivalent High school diploma or equivalent Some college, no degree	No Yes Yes		No No Yes	No No Yes
43-5053 43-5061 43-5071 43-5111	Production, Planning, and Expediting Clerks Shipping, Receiving, and Inventory Clerks Weighers, Measurers, Checkers, and Samplers, Recordkeeping	34,757 26,975 30,780	37,233 40,917	43,803 46,013	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No Yes		No No	No No

Wages - Workforce Re May 2022	egion 9	Annu	al Wages (\$) by Occupa	stion		Waga Monte	or Exceeds All Occu	nation Matric	1		Wage Moets	or Exceeds Education	al Lovel Motris
iviay 2022		Representative	Average Annual	High-Level Wage	1	Representative	Average Annual	High-Level Wage			Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)		Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	26,239	37,461	43,445		No	No	No	High school diploma or equivalent		No	No	No
43-9021	Data Entry Keyers	26,296	34,694	38,542		No	No	No	High school diploma or equivalent		No	No	No
43-9022 43-9031	Word Processors and Typists	21,580 24,311	28,039 47,318	27,350 57.180		No No	No	No	High school diploma or equivalent		No	No	No
43-9031	Desktop Publishers Insurance Claims and Policy Processing Clerks	24,311	47,318 44,398	49,946		No No	No No	No No	Associate's degree High school diploma or equivalent		No No	No	No Yes
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	22,826	34,879	39,296		No	No	No	High school diploma or equivalent		No	Yes No	No
43-9061	Office Clerks, General	24,383	38,205	44,869		No	No	No	High school diploma or equivalent		No	No	No
43-9071	Office Machine Operators, Except Computer	20,800	26,458	30,037		No	No	No	High school diploma or equivalent		No	No	No
43-9081	Proofreaders and Copy Markers	26,666	32,964	34,524		No	No	No	Bachelor's degree		No	No	No
43-9111	Statistical Assistants	33,531	43,479	48,197		No	No	No	Bachelor's degree		No	No	No
43-9199	Office and Administrative Support Workers, All Other	28,692	39,394	45,537		No	No	No	Some college, no degree		No	No	No
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	28,803	52,301	65,341		No	No	Yes	High school diploma or equivalent		No	Yes	Yes
45-2011	Agricultural Inspectors	31,200	36,786	39,039		No	No	No	Bachelor's degree		No	No	No
45-2021	Animal Breeders	25,578	35,224	37,257		No	No	No	High school diploma or equivalent		No	No	No
45-2041	Graders and Sorters, Agricultural Products	21,106	24,879	25,881		No	No	No	No formal educational credential		No	No	No
45-2091	Agricultural Equipment Operators	25,131	32,291	33,106		No	No	No	No formal educational credential		Yes	Yes	No
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	21,522	26,638	27,753		No	No	No	No formal educational credential		No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	25,314	34,004	40,699		No	No	No	No formal educational credential		Yes	Yes	Yes
45-2099	Agricultural Workers, All Other	20,311	33,739	39,640		No	No	No	No formal educational credential		No	Yes	Yes
45-3031 45-4011	Fishing and Hunting Workers	25,314	34,004	40,699		No	No	No	No formal educational credential		Yes	Yes	Yes
45-4011 45-4021	Forest and Conservation Workers	30,949	39,961 43,980	47,148 49,739		No	No	No	Postsecondary nondegree award		Yes	No	No
45-4021	Logging Equipment Operators	37,020 27.016	43,980 38.845	49,739		Yes No	No No	No No	High school diploma or equivalent	-	Yes No	Yes No	Yes No
45-4022	Log Graders and Scalers	21,016	24,879	45,928 25,881		No	No	No	High school diploma or equivalent High school diploma or equivalent	-	No	No	No
45-4029	Logging Workers, All Other	39,346	42,637	44,141		Yes	No	No	High school diploma or equivalent		Yes	No	No
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	39,839	61.771	73.665		Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
47-2011	Rollermakers	19,668	44,301	53,899		No	No	No	High school diploma or equivalent		No	Yes	Yes
47-2021	Brickmasons and Blockmasons	27.204	43,713	47.875		No	No	No	High school diploma or equivalent		No	Yes	No
47-2022	Stonemasons	27,564	43,951	54.571		No	No	No	High school diploma or equivalent		No	Yes	Yes
47-2031	Carpenters	31,949	44,748	49,760		No	No	No	Postsecondary nondegree award		Yes	Yes	Yes
47-2041	Carpet Installers	19,668	32,141	35,233		No	No	No	No formal educational credential		No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	30,680	37,607	39,539		No	No	No	No formal educational credential		Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	22,969	37,209	46,344		No	No	No	No formal educational credential		No	Yes	Yes
47-2044	Tile and Stone Setters	34,630	43,741	48,469		Yes	No	No	No formal educational credential		Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	29,583	42,119	47,393		No	No	No	No formal educational credential		Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	33,219	49,114	54,637		No	No	No	High school diploma or equivalent		Yes	Yes	Yes
47-2061	Construction Laborers	24,814	36,809	39,944		No	No	No	No formal educational credential		Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	29,011	38,212	42,372		No	No	No	High school diploma or equivalent		No	No	No
47-2072	Pile Driver Operators	26,093	38,869	48,938		No	No	No	High school diploma or equivalent		No	No	No
47-2073	Operating Engineers and Other Construction Equipment Operators	30,185	42,091	47,482		No	No	No	High school diploma or equivalent		Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	20,800	36,039	45,753		No	No	No	No formal educational credential		No	Yes	Yes
47-2082	Tapers	27,044	39,687	44,547		No	No	No	No formal educational credential		Yes	Yes	Yes
47-2111 47-2121	Electricians	35,546	47,614	51,341		Yes	No	No	Postsecondary nondegree award		Yes	Yes	Yes
47-2121	Glaziers Insulation Workers, Floor, Ceiling, and Wall	27,044 27,687	39,687 41.124	44,547 45,691		No No	No No	No No	High school diploma or equivalent	-	No No	No No	No No
47-2131	Insulation Workers, Ploor, Cennig, and Wall	34.429	41,124	45,691		No	No	No	High school diploma or equivalent High school diploma or equivalent	-	Yes	Yes	No
47-2132	Painters, Construction and Maintenance	29.461	40,363	48,254		No	No	No	No formal educational credential	-	Yes	Yes	Yes
47-2141	Paperhangers	28.037	34,968	42,108		No	No	No	No formal educational credential		Yes	Yes	Yes
47-2151	Pipelayers	31,072	40,122	43,876		No	No	No	No formal educational credential		Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	35,954	48.204	50.243		Yes	No	No.	Postsecondary nondegree award		Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	27,798	40,458	46.348		No	No	No	No formal educational credential		Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	33,332	44,377	52.093		No	No	No	High school diploma or equivalent		Yes	Yes	Yes
47-2181	Roofers	26,993	39,708	47,316		No	No	No	No formal educational credential		Yes	Yes	Yes
47-2211	Sheet Metal Workers	34,519	42,962	48,970		No	No	No	High school diploma or equivalent		Yes	No	No
47-2221	Structural Iron and Steel Workers	27,998	46,920	62,291		No	No	Yes	High school diploma or equivalent		No	Yes	Yes
47-2231	Solar Photovoltaic Installers	33,597	41,105	44,264		No	No	No	High school diploma or equivalent		Yes	No	No
47-3011	HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	26,988	33,297	37,973		No	No	No	No formal educational credential		Yes	Yes	Yes
47-3012	HelpersCarpenters	25,418	32,699	36,094		No	No	No	No formal educational credential		Yes	Yes	Yes
47-3013	HelpersElectricians	25,281	33,560	35,902		No	No	No	High school diploma or equivalent		No	No	No
47-3014	HelpersPainters, Paperhangers, Plasterers, and Stucco Masons	25,210	29,739	31,139		No	No	No	No formal educational credential		Yes	No	No
47-3015	HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters	29,639	34,058	35,853		No	No	No	High school diploma or equivalent		Yes	No	No
47-3016	HelpersRoofers	28,255	34,278	36,434		No	No	No	No formal educational credential		Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	26,439	34,987	38,647		No	No	No	No formal educational credential		Yes	Yes	Yes
47-4011	Construction and Building Inspectors	43,955	57,061	63,647		Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	45,651	76,074	100,478		Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
47-4031	Fence Erectors	27,526	37,919	43,999	-	No	No	No	No formal educational credential		Yes	Yes	Yes
47-4041 47-4051	Hazardous Materials Removal Workers	28,841	38,202	43,762	-	No	No	No	High school diploma or equivalent		No	No	No
47-4051 47-4061	Highway Maintenance Workers Pail-Track Laving and Maintenance Equipment Operators	28,454	35,179	38,448	-	No	No	No No	High school diploma or equivalent	H	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	42,618	51,857	58,873 50,716	-	Yes	No	No	High school diploma or equivalent	H	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners Miscellaneous Construction and Related Workers	24,928 28,480	41,487	,	-	No No	No	No No	High school diploma or equivalent	H	No No	No.	Yes
47-4090	Derrick Operators, Oil and Gas	25,480	40,890	44,225	-	No	No	No	High school diploma or equivalent	H	No	No	No
47-5011	Rotary Drill Operators, Oil and Gas	38,713	51,053	53,351	1	Yes	No	No	No formal educational credential	-	Yes	Yes	Yes
47-5012	Service Unit Operators, Oil and Gas	35,713	51,053	59,043		Yes	No	No No	No formal educational credential	H	Yes	Yes	Yes
47-5013	Excavating and Loading Machine and Dragline Operators, Surface Mining	25,136	42,079	41.479		No	No	No	High school diploma or equivalent		No	No	No
47-5022	Earth Drillers. Except Oil and Gas	32,954	46,722	48,566		No	No	No	High school diploma or equivalent		Yes	Yes	No
47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	50,268	67,015	77,237		Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
47-5041	Continuous Mining Machine Operators	25,966	38,060	42,108		No	No	No	No formal educational credential		Yes	Yes	Yes
-		.,,,,,,	,	,									

Wages - Workforce Re May 2022	·• ·	Annual W	/ages (\$) by Occupat	ion	Wage Meet	ts or Exceeds All Oc	ccupation Metric		Wage Mee	ts or Exceeds Educa	tional Level Metric
,			Average Annual	High-Level Wage	Representative	Average Annua			Representative		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
47-5043	Roof Bolters, Mining								- L.		
47-5044	Loading and Moving Machine Operators, Underground Mining	33,900	38,382	42,561	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5049 47-5051	Underground Mining Machine Operators, All Other	33,900 34.893	38,382 63,298	42,561 84.433	No	No Yes	No Yes	No formal educational credential No formal educational credential	Yes Yes	Yes	Yes Yes
47-5051	Rock Splitters, Quarry Roustabouts, Oil and Gas	34,893	46,779	57.814	Yes No	No Yes	No Tes	No formal educational credential	Yes	Yes	Yes
47-5071	HelpersExtraction Workers	27,791	33,209	36,434	No	No	No	High school diploma or equivalent	No	No	No
47-5099	Extraction Workers, All Other	26,288	42.391	41.436	No	No	No	High school diploma or equivalent	No	No	No
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	42,530	64,761	77,158	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	32,208	39,584	43,000	No	No	No	Postsecondary nondegree award	Yes	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	36,103	55,526	68,026	Yes	Yes	Yes	Associate's degree	No	No	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	28,182	49,130	59,759	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-2091	Avionics Technicians	36,283	64,755	74,211	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	29,115	43,148	48,235	No	No	No	High school diploma or equivalent	No	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	37,900	53,199	60,159	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	37,086	54,510	65,807	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	50,766	67,059	73,704	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096 49-2097	Electronic Equipment Installers and Repairers, Motor Vehicles	31,403	41,947	45,937	No	No	No	Postsecondary nondegree award	Yes	No	No
49-2097	Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers	36,131 36,009	44,557 50,266	47,810 57,768	Yes	No No	No No	Postsecondary nondegree award	Yes Yes	Yes	No Yes
49-3011	Aircraft Mechanics and Service Technicians	48.865	75.979	97.895	Yes Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	34,848	55,493	58,963	Yes	Yes	No No	Associate's degree Postsecondary nondegree award	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers Automotive Glass Installers and Repairers	23,992	43.517	47.573	No.	No.	No No	High school diploma or equivalent	No.	Yes	No No
49-3022	Automotive Glass installers and Repairers Automotive Service Technicians and Mechanics	28,250	46,106	59,001	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3023	Bus and Truck Mechanics and Diesel Engine Specialists	34.752	52.255	61.081	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	29.247	45.020	46.826	No	No	No	High school diploma or equivalent	Yes	Yes	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	36,875	49,667	60,076	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	35,413	50,845	56,537	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	31,451	48,821	57,436	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	25,292	45,287	61,912	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	29,568	39,855	48,229	No	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	22,184	34,581	41,304	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	28,916	45,975	57,975	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-3093	Tire Repairers and Changers	23,264	31,789	35,893	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	30,756	43,120	48,830	No	No	No	High school diploma or equivalent	Yes	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	36,609	56,353	73,509	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	29,356	46,066	55,016	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9031	Home Appliance Repairers	26,203	40,453	46,958	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	31,531	53,732	63,336	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	35,556	42,479	45,614	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-9044	Millwrights	38,609	52,906	62,457	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons							1	1 1		
49-9051 49-9052	Electrical Power-Line Installers and Repairers Telecommunications Line Installers and Repairers	44,138	66,766	83,102	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	·	33,228	48,018	56,613	No	No	No No	Postsecondary nondegree award	Yes	Yes	Yes
49-9062	Camera and Photographic Equipment Repairers Medical Equipment Repairers	38,060 31,272	50,580 55,825	56,424 62,933	Yes No	No Yes	No Yes	Associate's degree	No No	No Yes	No No
49-9063	Musical Instrument Repairers and Tuners	26,978	39,715	48,727	No	No	No	Associate's degree High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	23,423	27,867	27,186	No	No	No.	High school diploma or equivalent	No	No	No
49-9069	Precision Instrument and Equipment Repairers, All Other	38.363	54,571	62,447	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	29.004	42,313	48,333	No.	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	23,004	42,010	40,000	110	110	110	Tilgit school diplotta of equivalent	140		
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	25,909	38.155	45.843	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	37.398	50,372	53,956	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	30,025	42,966	49,213	No	No	No	High school diploma or equivalent	Yes	No	No
49-9095	Manufactured Building and Mobile Home Installers	20,671	29,228	36,982	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	32,079	53,114	57,788	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	44,699	59,894	67,629	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	HelpersInstallation, Maintenance, and Repair Workers	24,928	32,712	36,608	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	29,495	37,459	37,627	No	No	No	High school diploma or equivalent	Yes	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	38,047	62,449	74,999	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	31,271	44,509	52,812	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	31,432	43,044	45,862	No	No	No	High school diploma or equivalent	Yes	No	No
	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders,										
51-2028	Tapers, and Finishers	28,667	35,533	36,837	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	31,838	41,105	45,635	No	No	No	High school diploma or equivalent	Yes	No	No
51-2041	Structural Metal Fabricators and Fitters	28,888	41,200	46,590	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	22,601	36,874	40,012	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters				1			1,01 1 101	1 1		
51-2090	Miscellaneous Assemblers and Fabricators	24,475	34,167	37,589	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers Butchers and Most Cutters	22,633	31,017	36,485	No No	No	No No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	28,739	39,243	43,764	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	24,121	32,242	38,328	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023 51-3091	Slaughterers and Meat Packers	25,172 23,536	26,467 35.034	27,470 34.401	No No	No	No No	No formal educational credential	Yes	No	No
	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders Food Batchmakers	,	,	,		No		No formal educational credential	Yes	Yes	Yes
E1 2002		24,121	34,511	38,100	No	No	No	High school diploma or equivalent	No	No	No
51-3092			20.270	22.524	No	No	No	High school diploma an actival and	No	No	
51-3093	Food Cooking Machine Operators and Tenders	23,744	30,278	33,531	No No	No No	No No	High school diploma or equivalent	No Ves	No Vec	No Vec
			30,278 34,444	33,531 37,440	No No	No No	No No	High school diploma or equivalent No formal educational credential	No Yes	No Yes	No Yes

Nages - Workforce Re Nay 2022	egion 9	Annual W	ages (\$) by Occupat	ion	Wage Mee	to or Evenode All (Occupation Metric	1	Wage B	Meets or Exceeds Educ	entional Loyal Matric
viay 2022	•		Average Annual	High-Level Wage	Representative	Average Annu			Representat		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Was		Threshold
								i i		· · · · ·	
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	28,699	37,909	43,299	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	29,011	39,649	42,826	No	No	No	High school diploma or equivalent	No	No	No
	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and										
51-4031	Plastic	26,931	36,415	41,701	No	No	No	High school diploma or equivalent	No	No	No
F4 4000	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and								l I		
51-4032	Plastic	28,519	53,218	79,062	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	24.567	32.264	24.272	No	No	No	Uink ask all dialone as as similar	_{N-}	N-	N-
31*4033	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and	24,567	32,204	34,373	NO	NO	NO	High school diploma or equivalent	No	No	No
51-4034	Plastic	26.420	36.822	45.238	No	No	No	High school diploma or equivalent	No.	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	29,824	39,876	43,668	No	No	No	Postsecondary nondegree award	Yes	No	No
51-4041	Machinists	26,319	46,381	54,103	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	37,030	47,214	48,093	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-4052	Pourers and Casters, Metal								l l		
51-4061	Model Makers, Metal and Plastic	31,262	49,237	57,303	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic										
51-4071	Foundry Mold and Coremakers	22,014	38,023	51,989	No	No	No	High school diploma or equivalent	No	No	Yes
	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders,										
51-4072	Metal and Plastic	26,023	34,978	37,607	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	29,503	35,999	36,415	No	No	No	High school diploma or equivalent	Yes	No	No
51-4111	Tool and Die Makers	37,011	55,119	62,192	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	29,774	42,653	48,157	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	28,132	35,640	38,760	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	23,602	38,562	44,821	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic										
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	28,453	38,070	42,429	No	No	No	High school diploma or equivalent	No	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	26,042	34,845	36,784	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	27,678	36,945	43,337	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	30,666	39,482	45,109	No	No	No	Postsecondary nondegree award	Yes	No	No
51-5112	Printing Press Operators	28,035	36,807	39,958	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	22,785	36,393	41,287	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	21,750	26,712	29,328	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	22,543	27,082	27,895	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	22,223	28,302	31,088	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	22,278	31,186	35,205	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders										
51-6051	Sewers, Hand	20,850	28,179	28,727	No	No	No	No formal educational credential	No	No	No
51-6052	Tailors, Dressmakers, and Custom Sewers	23,659	29,722	34,158	No	No	No	No formal educational credential	Yes	No	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders										
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	26,240	31,375	34,429	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	26,099	30,013	32,680	No	No	No	High school diploma or equivalent	No	No	No
	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and										
51-6064	Tenders	22,004	31,763	36,103	No	No	No	High school diploma or equivalent	No	No	No
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and								l I		
	Glass Fibers	31,952	55,667	79,175	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	25,541	47,781	73,832	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6093	Upholsterers	26,534	35,952	40,557	No	No	No	High school diploma or equivalent	No	No	No
51-6099 51-7011	Textile, Apparel, and Furnishings Workers, All Other	22,601	32,613	36,640	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters Furniture Finishers	29,557	43,173	51,481	No	No	No	High school diploma or equivalent	Yes	No No	Yes
51-7021	Model Makers, Wood	35,074	39,559	43,240	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-7032	Patternmakers, Wood										
51-7041		26.047	25.262	41.824	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Sawing Machine Setters, Operators, and Tenders, Wood Woodworking Machine Setters, Operators, and Tenders, Except Sawing	25,412	35,263 32,947	38.042	No	No No	No No	High school diploma or equivalent	No No	No No	No No
51-7099	Woodworking Machine Setters, Operators, and Tenders, Except Sawing Woodworkers, All Other	25,412	32,947	31,167	No	No	No	High school diploma or equivalent	No No	No No	No No
51-7099	Nuclear Power Reactor Operators	26,042 45.909	72,433	91.704					Yes		Yes
51-8011	Power Distributors and Dispatchers	45,909 50,750	72,433 83,931	91,704	Yes Yes	Yes	Yes Yes	Postsecondary nondegree award High school diploma or equivalent	Yes	Yes Yes	Yes
51-8012	Power Plant Operators	50,750 45.909	83,931 72,433	98,078	Yes	Yes	Yes		Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	45,909 45,616	72,433 59,573	91,704 64,414	Yes	Yes		Postsecondary nondegree award	Yes	Yes	Yes
51-8021		45,616 37,947	59,573 52,677	62,163			Yes	Postsecondary nondegree award			
51-8091	Water and Wastewater Treatment Plant and System Operators Chemical Plant and System Operators	37,947	52,677	62,163	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091					Yes	Yes	Yes	Associate's degree	Yes	Yes	No
51-8092 51-8093	Gas Plant Operators Petroleum Pump System Operators, Refinery Operators, and Gaugers	37,440 45.843	48,465 59.497	58,236 74.967	Yes	No	No Yes	High school diploma or equivalent	Yes	Yes Yes	Yes Yes
51-8099	Plant and System Operators, All Other	45,843 46,721	59,497 58.732	74,967 61.069	Yes	Yes	Yes No	High school diploma or equivalent Postsecondary nondegree award			
51-8099	, , ,	46,721 28,226	58,/32 44,131	53,521	Yes No	Yes No	No No		Yes No	Yes	Yes
21-2011	Chemical Equipment Operators and Tenders Separating Filtering Clarifying Precipitating and Still Machine Setters	28,220	44,151	55,521	INO	140	INO	High school diploma or equivalent	NO	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,	20.454	47.007	53.437	No	No	No	High school diploms	_{Vo-}	Vo-	Voc
51-9012	Operators, and Tenders Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	30,151	47,087	52,127	No No	No	No No	High school diploma or equivalent	Yes	Yes	Yes
51-9021		26,656	39,261	44,453		No	No No	High school diploma or equivalent	No	No Voc	No
51-9022	Grinding and Polishing Workers, Hand Mixing and Blanding Machine Setters, Operators, and Tenders	26,931	33,635	36,576	No No	No	No No	No formal educational credential	Yes	Yes	Yes
	Mixing and Blending Machine Setters, Operators, and Tenders	29,767	40,155	46,304	No	No	No	High school diploma or equivalent	Yes	No	No V
51-9031	Cutters and Trimmers, Hand	20,756	33,720 36.689	37,881	No	No	No No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders Extracting Forming Processing and Compacting Machine Setters, Operators, and	27,073	36,689	42,004	No	No	NO	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	25.242	20.444	40 705	N-	N-	N-	High sabast distance in the con-	I I.,.	NI.	N-
51-9041 51-9051		26,212	36,141	42,722	No	No	No	High school diploma or equivalent	No No	No	No No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	29,002	37,143	41,692	No No	No	No No	High school diploma or equivalent	No No	No Voc	No Vos
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers Jewelers and Precious Stone and Metal Workers	26,958 28,968	43,216 47.135	49,335 55.124	No No	No No	No No	Postsecondary nondegree award	No No	Yes	Yes
51-9071		28,968 29,002	47,135 47,138	55,124 54,003	No No	No No	No No	High school diploma or equivalent	No No	Yes Yes	Yes Yes
21,2001	Dental Laboratory Technicians	29,002	4/,138	54,003	INU	INU	INU	Postsecondary nondegree award	INU	162	162

Wages - Workforce Region 9

Лау 2022	gion 9	Δnnua	l Wages (\$) by Occup	ation	т —	Wage Meets	or Exceeds All Occu	nation Metric	1	Wage M	eets or Exceeds Educatio	nal Level Metric
, 2022		Representative	Average Annual	High-Level Wage	1	Representative	Average Annual	High-Level Wage		Representati		High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)		Starting Wage	Wage	Threshold	Educational Requirement	Starting Wag		Threshold
51-9082	Medical Appliance Technicians	26,846	38,117	47,176		No	No	No	Postsecondary nondegree award	No	No	No
51-9083	Ophthalmic Laboratory Technicians	26,902	32,519	34,117		No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	22,736	32,800	38,770		No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	23,848	33,966	40,160		No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	28,823	42,954	48,814		No	No	No	High school diploma or equivalent	No	No	No
51-9141	Semiconductor Processing Technicians	36,008	45,313	48,055		Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-9151	Photographic Process Workers and Processing Machine Operators	22,136	33,474	36,046		No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	36,855	52,478	59,207		Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9162	Computer Numerically Controlled Tool Programmers	34,779	56,831	66,305		Yes	Yes	Yes	Associate's degree	No	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	22,004	31,763	36,103		No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	24,642	34,098	44,699		No	No	No	High school diploma or equivalent	No	No	No
51-9193 51-9194	Cooling and Freezing Equipment Operators and Tenders Etchers and Engravers	26,108	43,271	46,089		No	No	No	High school diploma or equivalent	No	No	No
51-9194 51-9195		27,640	32,964	36,330		No	No	No	High school diploma or equivalent	No	No	No
	Molders, Shapers, and Casters, Except Metal and Plastic	23,813	33,367	37,349		No No	No	No	High school diploma or equivalent	No	No	No
51-9196 51-9197	Paper Goods Machine Setters, Operators, and Tenders Tire Builders	29,743	43,494	49,285		NO	No	No	High school diploma or equivalent	Yes	Yes	No
51-9197	HelpersProduction Workers	21.503	30.921	34.581	-	No	No	No		No	No	No
51-9198	Production Workers Production Workers, All Other	21,503	30,921	40,027		No No	No No	No No	High school diploma or equivalent	No No	No No	No No
53-1041	Aircraft Cargo Handling Supervisors	35,800	53,984	58,892	-	Yes	No	No	High school diploma or equivalent	Yes		
33-1041	First-Line Supervisors of Transportation and Material Moving Workers, Except	35,800	53,984	58,892		res	NO	INO	High school diploma or equivalent	res	Yes	Yes
53-1047	Aircraft Cargo Handling Supervisors	37,440	57,849	68,436		Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Aircraft Cargo Handing Supervisors Airline Pilots, Copilots, and Flight Engineers	103,004	255,993	*		Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	40,256	99,674	144.788	-	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	75.610	119.486	148.696		Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	75,610	119,486	148,696		Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	33,295	65,511	74,806		No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	24,349	28,992	30,779		No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	20,800	32,662	40,900		No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	22,295	43,826	49,210		No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-3033	Light Truck Drivers	24,155	41,813	45.037		No	No	No	High school diploma or equivalent	No	No	No
53-3051	Bus Drivers, School	24,846	33,666	39,568		No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	33,476	36,071	35,959		No	No	No	High school diploma or equivalent	Yes	No	No
53-3053	Shuttle Drivers and Chauffeurs	22,557	33,153	39,515		No	No	No	High school diploma or equivalent	No	No	No
53-3054	Taxi Drivers	19,735	29,966	30,202		No	No	No	No formal educational credential	No	No	No
53-3099	Motor Vehicle Operators, All Other	25,865	34,185	42,617		No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	53,512	65,001	70,220		Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	30,448	51,043	49,171		No	No	No	High school diploma or equivalent	Yes	Yes	No
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	37,001	55,951	58,523		Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	59,923	67,639	70,268		Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	27,630	39,488	49,597		No	No	No	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	39,015	39,668	39,025		Yes	No	No	High school diploma or equivalent	Yes	No	No
53-5011	Sailors and Marine Oilers	27,536	43,063	47,507		No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	35,356	81,549	119,694		Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	26,940	42,959	50,344		No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	68,622	92,943	103,439		Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	22,770	30,297	34,401		No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	22,877	28,655	31,244		No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	22,879	29,899	30,027		No	No	No	No formal educational credential	No	No	No
53-6032	Aircraft Service Attendants	30,136	33,655	34,858		No	No	No	High school diploma or equivalent	Yes	No	No
53-6041	Traffic Technicians	28,973	44,963	51,564		No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	38,013	80,858	102,011		Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	20,122	30,817	36,018		No	No	No	High school diploma or equivalent	No	No	No
53-6099	Transportation Workers, All Other	19,668	29,068	30,798		No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	27,933	32,746	33,862		No	No	No	No formal educational credential	Yes	Yes	Yes
53-7021	Crane and Tower Operators	34,656	59,866	72,792		Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	33,767	44,755	46,609		No	No	No	High school diploma or equivalent	Yes	Yes	No
53-7041	Hoist and Winch Operators	30,505	47,800	48,982	-	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	35,974	44,242	47,716		Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	23,409	31,035	33,728	-	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7062 53-7063	Laborers and Freight, Stock, and Material Movers, Hand	22,553	32,666	36,538	-	No	No	No	No formal educational credential	No	Yes	Yes
53-7063 53-7064	Machine Feeders and Offbearers	27,460	35,536	38,401	-	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7064 53-7065	Packers and Packagers, Hand Stockers and Order Fillers	22,318	24,848	24,332	-	No	No	No	No formal educational credential	No	No.	No
		24,826	32,569	34,969		No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	29,030	34,628	32,169	-	No	No	No	High school diploma or equivalent	No	No	No
53-7072 53-7073	Pump Operators, Except Wellhead Pumpers	31,035	43,649	49,001	-	No	No	No	High school diploma or equivalent	Yes	Yes	No
53-7073 53-7081	Wellhead Pumpers	22.5	27.77	49	-				1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
53-7081 53-7121	Refuse and Recyclable Material Collectors	23,606	37,475	47,176		No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121 53-7199	Tank Car, Truck, and Ship Loaders	41,001	57,143	58,022		Yes	Yes	No	No formal educational credential	Yes	Yes	Yes
55-7199	Material Moving Workers, All Other	27,458	31,354	35,112		No	No	No	No formal educational credential	Yes	Yes	Yes

 $[\]ensuremath{^{*}}$ indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

Summary - Workforce Region 9

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	34,559	54,725	61,968	813
No formal educational credential	23,199	30,723	33,670	81
High school diploma or equivalent	29,179	43,301	49,338	228
Some college, no degree	28,937	42,665	48,824	49
Postsecondary nondegree award	29,440	42,373	48,153	88
Associate's degree	39,064	55,739	63,965	67
Bachelor's degree	46,526	81,833	94,933	184
Master's degree	49,890	73,863	80,650	43
Doctoral or professional degree	56,942	110,695	119,196	73

	Representative	Starting Wage	Average Ar	nual Wage	High-Level Wa	age Threshold
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric
All Occupations	479	334	456	357	464	349
No formal educational credential	43.21%	56.79%	35.80%	64.20%	35.80%	64.20%
High school diploma or equivalent	65.79%	34.21%	75.44%	24.56%	79.39%	20.61%
Some college, no degree	42.86%	57.14%	32.65%	67.35%	34.69%	65.31%
Postsecondary nondegree award	32.95%	67.05%	26.14%	73.86%	28.41%	71.59%
Associate's degree	70.15%	29.85%	43.28%	56.72%	49.25%	50.75%
Bachelor's degree	66.30%	33.70%	66.85%	33.15%	64.13%	35.87%
Master's degree	67.44%	32.56%	51.16%	48.84%	46.51%	53.49%
Doctoral or professional degree	63.01%	36.99%	57.53%	42.47%	56.16%	43.84%

Page	ages - Workforce Re ay 2022	egion 10	Annual W	ages (\$) by Occupat	tion	Wage Meet	e or Evcaade All (Occupation Metric	T	1	Wage Meets	or Exceeds Education	al Level Metric
1982	ay 2022												High-Level Wage
Second and Communications	Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
Second and Communications													
1999 1999			,	,	,								
2.50 1.50													
1.00 1.00		8		,	,								
1.000 1.00			.,	, .	-,								
1965 Proceed Services 1964 1965 1													
20.000 19.000 1													
19-15 19-15 Peter basagers CA-73 Peter basagers CA-75 Peter basagers Peter basagers CA-75 Peter basagers Peter	11-2033												
13.25 Compose and Manness Septem Schools S	11-3012	Administrative Services Managers	46,791	90,695	104,790	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-100	11-3013		43,723	78,082	97,729	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13.10.10	11-3021	Computer and Information Systems Managers	79,735	136,815	159,639	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13.195						Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13.1935													
12.1111									ų –				
14-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1													
12-132 Telling and Development Wanagers 14-15 Telling and Development August Telling and Development 15-15 Telling and Developme									ų –				
1400				,	,					-			
14:000 Construction Messages 15:004 17:005 17:0			,,,,,										
13090													
14.000 Section Administration, Nonequerin Brough Section 14.000 14.													
14000 Security Administration, Notationality Security Secu										1			
1999										1			
13-001 Architectural and Explanation 19-002 19-204 19-205 19-20				,					-	1			
1960 Ford Server Amerigen			,	,	,								
1407 Cambring Managers 27,133 10.711 10,000 10.75 75 75 75 75 75 75 75			, .	,	,-								
14092 Sentralizament and floroution hanogen. Except Camering \$5,553 \$6,483 \$10,095 Ves Ves Ves Ves \$2,000 \$1,000		Gambling Managers			110.869								
14001 Logge Atmagrer Maj. 30			35,963	69,483	80,691								
13-921 Natural Science Managers 13-123 73,840 98,850 Ves V	11-9081		38,330	66,233	74,962							No	No
12-1212 Prominenters and Mail Sogentherodomes Yes Ye	11-9111	Medical and Health Services Managers	53,664	112,250	120,079	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1941 Property, Bull Estate, and Community Anoughton Managers 7,2040 50,45% 110,001 100	11-9121					Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1915		Postmasters and Mail Superintendents	74,901	86,259	96,533	Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
13-1956 Emegrey Management Directors	11-9141	Property, Real Estate, and Community Association Managers	27,040	96,845	156,021	No	Yes	Yes	Bachelor's degree		No	Yes	Yes
14971 Forces Tomes Managers More Managers More More Managers More	11-9151	Social and Community Service Managers	39,016	68,416		Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9799 Personal Service Managers, All Other 44.416 72.334 87.387 Ves Ves Sazhelar's degree Ves No No Ves			,	,		Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1911 Managers, All Other 12,7790 88,088 103,867 No Yes Yes								Yes	Associate's degree		Yes		
13-1010 Agents and business Managers of Artists, Performers, and APhietes 12,7280 89,110 145,179 Ves							Yes	Yes	Bachelor's degree		Yes	No	No
13-10.00				,									
13-1031 Claims Aghiptores, Examenres, and Investigations 38,157 64,141 78,161 Yes													
13-1932 Insurance Approxies, Anto Damege													
13-1041 Compliance Officers 22,485 55,500 68,271 Yes Yes Yes Sachelor's degree No													
13-1091 Cont Estimators 13,107 59,792 72,072 Ves Ves Ves Bachelor's degree No No No No No No No										-			
13-1971 Homan Recources Specialists 23,999 56,279 66,489 Ves Ves Ves Ves No many development of the control of the contro													
13-1074 Farm Labor Contractors 22,389 82,274 11,4945 No Yes Yes No formal educational credential No Yes Yes No Yes Yes Sachebri's degree No No No Yes Yes No Yes Yes No Yes Yes No Yes Yes No No Yes Yes Yes Yes No No Yes Yes Yes No Yes													
13-1075 Labor Relations Specialists 37,969 72,261 92,500 Ves Ves Bachelor's degree No No Ves Ves No													
13-1081													
13-1082 Project Management Specialists 41,206 79,483 95,365 Ves Ves Ves Ves Sachelor's degree No Ves			. ,		. ,								
33-111 Management Analysts 37,440 82,160 102,884 Ves Ves Ves Ves Bachelor's degree No Ves					, .								
13-1121 Meeting, Convention, and Event Planners 31,164 49,303 51,072 Ves Ves Ves Ves Bachelor's degree No													
13-1131 Fundraiers Fundra										1			
13-1141 Compensation, Benefits, and Job Analysis Specialists 34,786 57,513 62,795 Ves Ves Bachelor's degree No	13-1131	Fundraisers											
Training and Development Specialists Z8,588 52,675 66,001 No Yes Yes Bachelor's degree No	13-1141	Compensation, Benefits, and Job Analysis Specialists					Yes	Yes	Bachelor's degree		No	No	No
13-1199 Business Operations Specialists, All Other 29,807 60,086 74,598 No Yes Yes Bachelor's degree No No No No No No No		Training and Development Specialists	28,658	52,675	66,001	No		Yes				No	No
13-2011 Accountants and Auditors 38,790 73,356 83,508 Yes Yes Yes Bachelor's degree No						No	Yes	Yes	Bachelor's degree		No	No	No
13-2020 Property Appraisers and Assessors 35,981 58,406 61,560 Yes Yes Yes Bachelor's degree No No No No No No No				,	,			Yes					
13-2031 Budget Analysts 43,867 76,537 95,387 Yes Yes Yes Yes Bachelor's degree Yes Y				-,	,								
13-2041 Credit Analysts 49,646 67,603 86,554 Yes Yes Yes Yes Bachelor's degree Yes No No No No 13-2051 Financial and investment Analysts 44,139 83,879 97,467 Yes Yes Yes Yes Bachelor's degree Yes Ye													
13-2051 Financial and Investment Analysts 44,139 83,879 97,467 Yes													
13-2052 Personal Financial Advisors 35,024 94,787 106,282 Yes Yes Yes Yes Bachelor's degree No Yes Y													
13-2053 Insurance Underwriters 66,053 93,987 104,017 Yes Y										1			
13-2054 Financial Risk Specialists 50,391 101,865 118,437 Yes Ye										1			
13-2061 Financial Examiners 45,874 71,639 81,569 Yes Yes Yes Yes No No No No No No No N			,	,						-			
13-2071 Credit Counselors 31,587 45,537 45,833 Yes No No Bachelor's degree No No No No No No No				. ,						1			
13-2072 Loan Officers 34,440 66,613 78,457 Yes Yes Yes Yes Bachelor's degree No No No No No No No										1			
13-2081 Tax Examiners and Collectors, and Revenue Agents 30,347 40,709 48,439 No No No No Bachelor's degree No				-,	-,					1			
13-2082 Tax Preparers 22,899 49,620 65,623 No Yes Yes Postsecondary nondegree award No Yes Yes 13-2099 Filanacial Specialists, All Other 31,787 58,416 67,575 Yes Yes Yes Bashelor's degree No No <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td></td<>										1			
13-2099 Financial Specialists, All Other 31,787 58,416 67,575 Yes Yes Yes Bachelor's degree No No No No Start St										1			
15-1211 Computer Systems Analysts 47,611 87,771 102,670 Yes										1			
15-1212 Information Security Analysts 48,369 89,118 104,333 Yes										1			
15-1221 Computer and Information Research Scientists 73,344 122,197 164,316 Yes Yes Yes Master's degree Yes Yes Yes Yes 15-1231 Computer Network Support Specialists 42,889 67,199 77,189 Yes Yes Yes Yes Associate's degree Yes Yes Yes Yes Yes 15-1232 Computer User Support Specialists 32,869 52,274 59,299 Yes Yes Yes Postsecondary nondegree award Yes Yes Yes Yes Yes 15-124 Computer Network Architects 35,360 105,179 164,633 Yes Yes Yes Bachelor's degree No Yes Yes Yes 15-1242 Database Administrators 44,756 86,759 94,285 Yes Yes Yes Bachelor's degree Yes Yes Yes Yes Yes Pachelor's degree Yes Yes Yes Yes Yes Yes Yes Yes Yes Y										1			
15-1231 Computer Network Support Specialists 42,889 67,199 77,189 Yes Yes Yes Associate's degree Yes			,							1			
15-1232 Computer User Support Specialists 32,869 52,274 59,299 Yes Yes Yes Postsecondary nondegree award Yes Y			-,-		. ,					1			
15-1241 Computer Network Architects 35,360 105,179 164,633 Yes Yes Yes Bachelor's degree No Yes Yes Yes 15-1242 Database Administrators 44,756 86,759 94,285 Yes Yes Yes Bachelor's degree Yes Yes Yes										1			
15-1242 Database Administrators 44,756 86,759 94,285 Yes Yes Yes Bachelor's degree Yes Yes Yes Yes										1			
										1			
200,040 122,014 140,001 [155 165 Database members Database member	15-1243	Database Architects	68,546	122,614	146,661	Yes	Yes	Yes	Bachelor's degree	1	Yes	Yes	Yes

Personal	es - Workforce Reg 2022	51011.20	Annual W	ages (\$) by Occupat	ion	Wage Meet	ts or Exceeds All O	Occupation Metric		1	Wage Meets	or Exceeds Education	onal Level Metric
March enterlangement international	LULL												High-Level Wage
Section Company Section	cupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)		Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
Section Company Section													
					. ,								No
Second Content Conte			,		,								Yes
1922 1922	-	The state of the s	. ,.		,								Yes
19-95 See on One Option Company 19-95			,		,					_			Yes Yes
13-200 Compute Occapations (1970)													Yes
1999 1999													Yes
1945 Mathematical Control													Yes
1920 Security Se													Yes
15-201-1		Operations Research Analysts	34,029	67,352	81,377	Yes	Yes	Yes			No	No	No
15-901 15-901		Statisticians						Yes				Yes	Yes
1950 1950		Data Scientists		79,483	89,434						Yes		Yes
19.00 19.0													
1920 Companies and imagementals									Bachelor's degree				Yes
20.000 2													No
19-201 Mergene Cepters		· · · · · · · · · · · · · · · · · · ·							· ·				No
1920 Agricultus d'Agriques not d'Assemble d'Agriques not d'Ag													No
1920 Segregater and Observate Epigenes SALDI 13,138 13,148 Vol. Vol. Vol. Vol. Vol. Vol. Vol. Vol.			/1,640	107,321	124,902	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
200.000 Commiss Engineers			EE 007	01 510	114 630	Voc	Vor	Voc	Pachalar's dagrae		Voc	Voc	Yes
20.2013 Colf Replemen Colf Septemen Co			,	,	,								Yes
1920 Computer trainmant Engineers Cl.197 130,802 128,805 128,80										1			Yes
1920			,	,	,								Yes
1920										1			Yes
1921 Math and Safery Engeners, Encapt Mering, Safery Engeners and Impactant 46,568 13,368 33,568 34,568 36,568 176,767 176 1	2072	Electronics Engineers, Except Computer	74,925	103,104	124,724								Yes
19-219 Mandatial rigopeners 46,658 8,3,245 80,038 19-25		Environmental Engineers				Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
12-1211 Marine Engineers and Naval Architects 47.72 72.24 84.97 Ves Ves Ves Ves Ves Ne Bachelor's degree Ves V		Health and Safety Engineers, Except Mining Safety Engineers and Inspectors							Bachelor's degree		Yes		Yes
19-211 Meterial Engineers								Yes					Yes
1921-151 Mechanical Engineers, Richling Mining Enfert Engineers 4,112 8,000 100,712 100,700				, .	. ,								No
19-1211 Mining and Geological Engineers, including Mining Safety Engineers 14,017 19,057 117,353 10,073 117,353 10,073 117,353 10,073 117,353			. ,		, .								Yes
1.7.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1													Yes
19-2171 Perfolant regiment			-,-	,	, .					_			Yes
19-2190 Fagment, All Other 19-200 8.8.881 100.000 100.000 100.000 100.00	-												Yes Yes
3-3011 Architecturian and Corboraters 30,311 46,366 55,108 No No Yes Account's degree No No Yes 1,3011 No No Yes No													Yes
19-3012 Selectical and Electronics Duffers 42,851 54,272 63,804 Ves Ve					,								No
17-3033 Mechanical Conferes 18-3830 19-2867 19													Yes
19-305 Daffers, All Other March March													Yes
13-3021 Aerrogane forgenering and Operations Technologists and Technolicians 33,667 47,585 5,161 Yes No No No Associate's degree No Yes No No No Associate's degree No Yes No No No Associate's degree No Yes No			34,726	46,968	57,174		No	Yes			No	No	Yes
19-3032 Sectrical and Sectronic Engineering Technologists and Technicians 35,133 55,502 61,488 Yes Y	3021	Aerospace Engineering and Operations Technologists and Technicians	33,662	72,381	98,966	Yes	Yes	Yes			No	Yes	Yes
19-304 Electro-Mechanical and Mechanical and Mechanicans (25,824		Civil Engineering Technologists and Technicians	36,954	45,585	51,611	Yes	No	No	Associate's degree		Yes	No	No
17-3025 Environmental Engineering Technologists and Technologi						Yes	Yes	Yes			No	Yes	Yes
17-3025 Modural langmening Technologists and Technoloms 36,440 48,133 56,131 Ves No Ves Associate's degree No No Ves 17-3026 Associate's degree No No Ves Ves No Ves Ves Associate's degree No No Ves Ves No No No Ves Ves No Ves Ves No No No No No Ves Ves No No No No No No No N													Yes
17-3027 Mechanical Engineering Technologists and Technicians 27.521 5.45.99 6.49.2 No Yes Yes Associate's degree No Yes 17-3028 Calibration Technologists and Technicians, Except Drafters, All Other 3.48.61 52.353 60.754 Yes Yes Yes Associate's degree No No Yes 17-3029 Engineering Technologists and Technicians, Except Drafters, All Other 28.977 40.788 46.444 No													No
1-3-028 Calibration Technologists and Technicians Sa,218 Sa,829 74,678 Ves V													No
17-3093 Enjineering Technologists and Technologists and Technologists and Technologists and Technologists 28,977 40,788 46,44 No													Yes Yes
19-1011 19-1													Yes
19-1011 Animal Scientists Animal Scienti			. ,		, .								No.
19-1012 Food Scientists and Technologists and Technologists Soli and Pfantologists Soli													Yes
19-1013 Soli and Plant Scientists So, 91 76,929 95,946 Ves Ves Ves Dectoral professional degree No Ves Ves 19-1022 Microbiologists 33,727 55,467 67,944 Ves Ves Ves Ves Master's degree No No No No No 19-1022 Zoologists and Wildlife Blologists 34,299 43,065 46,468 Ves No No No Master's degree No No No No 19-1023 Zoologists and Wildlife Blologists 34,299 43,065 46,468 Ves No No No Master's degree No No No No No No No No No Master's degree No No No No No No No No No No No No No No No No No No No No No No No No No	1012	Food Scientists and Technologists											Yes
19-1021 Blochemists and Blophysicists 37,145 81,348 102,523 Ves Ves Ves Ves Doctoral or professional degree No No 19-1023 Zoologists and Wildfild Biologists 34,299 43,065 46,468 Ves No No 19-1029 Zoologists and Wildfild Biologists 34,299 43,065 46,468 Ves No No No 19-1029 Blochemists All Other 38,334 57,681 67,452 Ves Yes Ves Bachelor's degree No No 19-1029 Conservation Scientists 28,995 43,994 51,383 No No No No Bachelor's degree No No 19-1031 Conservation Scientists 28,995 43,994 51,383 No No No No Bachelor's degree No No 19-1032 Foresters Societies Societie	1013	Soil and Plant Scientists	36,913	76,929	95,946		Yes	Yes			No	Yes	Yes
19-1022 Microbiologists 33,727 55,667 67,944 Yes Yes Yes Yes Master's degree No No No			37,145	81,348	102,523			Yes			No	No	No
19-1029 Biological Scientists, All Other 38,534 57,681 67,453 Ves Ves Ves Bachelor's degree No	1022	Microbiologists	33,727	55,467	67,944	Yes	Yes	Yes			No	No	No
19-1031 Conservation Scientists 28,995 43,994 51,383 No No No No Bachelor's degree No No No No No No No No No No No No No No No No No						Yes	No	No	Master's degree		No	No	No
19-1032 Foresters 34,625 55,958 65,897 Yes Yes Yes Yes Dectoral or professional degree No No No													No
19-1042 Epidemiologists 53,614 80,690 94,955 Yes Yes Yes Doctoral or professional degree No No No 19-1042 Medical Scientists, Except Epidemiologists 39,423 68,757 73,070 Yes Yes Yes Yes Bachelor's degree Yes Ye									Bachelor's degree				No
19-1042 Medical Scientists, Except Epidemiologists 39,423 68,757 73,070 Yes Yes Yes Yes Bachelor's degree Yes Yes													No
19-1099 Life Scientists, All Other S2,253 80,245 85,757 Yes Yes Yes Yes Bachelor's degree Yes Ye													No
19-2012			, .	, .	-,,-								No
19-2012 Physicists Physic										+			No Vos
19-2021 Atmospheric and Space Scientists 57,986 77,763 83,775 Yes Yes		*** * * * *		,						-1			Yes Yes
19-2031 Chemists		,		,	. ,.								No.
19-2021 Materials Scientists 63,794 107,590 125,866 Yes Yes Yes Yes No Bachelor's degree Yes Yes Yes Yes 19-2041 Environmental Scientists and Specialists, Including Health 33,280 51,236 54,413 Yes Yes Yes No Bachelor's degree Yes Yes	-									1			No
19-2041 Environmental Scientists and Specialists, Including Health 33,280 51,236 54,413 Yes Yes No Bachelor's degree No No No 19-2042 Geoscientists, Except Hydrologists and Geographers 44,685 85,396 102,884 Yes Yes Yes Yes Bachelor's degree No No No 19-2043 Hydrologists 44,0146 63,183 75,355 Yes Yes Yes Yes Bachelor's degree No No No 19-2043 Hydrologists 44,924 100,040 123,948 Yes Yes Yes Yes Bachelor's degree No Yes Yes 19-3014 Yes Y		* * **								1			Yes
19-2042 Geoscientists, Except Hydrologists and Geographers			, .		.,								No
19-2043 Hydrologists 40,146 63,183 75,355 Yes Yes Yes Bachelor's degree No No No 19-2099 Physical Scientists, All Other 41,924 100,040 123,948 Yes Yes Yes Yes Bachelor's degree No Yes Yes 19-3011 Economists 56,115 89,119 106,646 Yes Yes Yes Yes Master's degree Yes Yes	2042	Geoscientists, Except Hydrologists and Geographers		85,396	102,884		Yes	Yes			Yes	Yes	Yes
19-3011 Economists 56,115 89,119 108,646 Yes Yes Yes Master's degree Yes Yes Yes 19-3022 Survey Researchers 49,001 93,353 118,390 Yes Yes Yes Master's degree Yes Yes No 19-3032 Industrial-Organizational Psychologists 68,945 118,550 143,577 Yes Yes Yes Doctoral or professional degree Yes No 19-3033 Clinical and Counseling Psychologists 20,800 87,114 103,090 No Yes Yes Doctoral or professional degree No No 19-3034 School Psychologists 47,927 70,459 95,145 Yes Yes Yes Doctoral or professional degree No No 19-3039 Psychologists, All Other 45,620 93,158 111,749 Yes Yes Yes Doctoral or professional degree No No		Hydrologists	40,146	63,183	75,355		Yes	Yes	Bachelor's degree		No	No	No
19-3022 Survey Researchers 49,001 93,353 118,390 Yes Yes Yes Master's degree Yes Yes Yes 19-3032 Industrial-Organizational Psychologists 68,945 118,650 143,577 Yes Yes Yes Doctoral or professional degree Yes No 19-3033 Clinical and Counseling Psychologists 20,800 87,114 103,090 No Yes Yes Doctoral or professional degree No No 19-3034 School Psychologists 47,927 70,459 95,145 Yes Yes Yes Doctoral or professional degree No No 19-3039 Psychologists, All Other 45,620 93,158 111,749 Yes Yes Yes Doctoral or professional degree No No		Physical Scientists, All Other				Yes	Yes	Yes	Bachelor's degree			Yes	Yes
19-3032 Industrial-Organizational Psychologists 68,945 118,650 143,577 Yes Yes Yes Doctoral or professional degree Yes No 19-3033 Clinical and Counseling Psychologists 20,800 87,114 103,090 No Yes Yes Doctoral or professional degree No No 9-3039 School Psychologists 47,927 70,459 95,145 Yes Yes Yes Doctoral or professional degree No No 19-3039 Psychologists, All Other 45,620 93,158 111,749 Yes Yes Yes Doctoral or professional degree No No									Master's degree				Yes
19-3033 Clinical and Counseling Psychologists 20,800 87,114 103,090 No Yes Yes Doctoral or professional degree No No 19-3034 School Psychologists 47,927 70,459 95,145 Yes Yes Doctoral or professional degree No No No 19-3039 Psychologists, All Other 45,620 93,158 111,749 Yes Yes Yes Doctoral or professional degree No No													Yes
19-3034 School Psychologists 47,927 70,459 95,145 Yes Yes Yes Doctoral or professional degree No No 19-3039 Psychologists, All Other 45,620 93,158 111,749 Yes Yes Yes Doctoral or professional degree No No													No
19-3039 Psychologists, All Other 45,620 93,158 111,749 Yes Yes Yes Doctoral or professional degree No No										1			No
													No
19-3041 Sociologists 27,187 54,374 47,102 No Yes No Master's degree No No										-			No
19-3051 Urban and Regional Planners 38,523 63,898 82,774 Yes Yes Yes Master's degree No No													No No

Wages - Workforce Re May 2022	egion 10	Annual W	ages (\$) by Occupat	ion	Wage Mood	e or Evenode All C	Occupation Metric		I Wage !	Meets or Exceeds Educ	rational Loyal Matric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu			Representa		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wa		Threshold
19-3091 19-3092	Anthropologists and Archeologists Geographers	37,108	58,422	69,111	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Historians	33.347	66.610	90,666	Yes	Yes	Yes	Master's degree	No	No	Yes
19-3094	Political Scientists	33,347	00,010	30,000	163	163	163	waster s degree	110	140	163
19-3099	Social Scientists and Related Workers, All Other	52,364	79,662	95,131	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4012	Agricultural Technicians	27,835	37,024	42,980	No	No	No	Associate's degree	No	No	No
19-4013	Food Science Technicians	30,179	48,890	67,351	No	Yes	Yes	Associate's degree	No	No	Yes
19-4021	Biological Technicians	30,210	42,015	52,187	No	No	No	Bachelor's degree	No	No	No
19-4031 19-4042	Chemical Technicians	29,706 23,680	47,547 31,911	57,588 31,200	No No	No No	Yes No	Associate's degree	No	No	Yes
19-4043	Environmental Science and Protection Technicians, Including Health Geological Technicians, Except Hydrologic Technicians	29,327	37,710	41,202	No.	No	No.	Associate's degree Associate's degree	No No	No No	No No
19-4044	Hydrologic Technicians	33.449	52,280	62,525	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
19-4051	Nuclear Technicians	36,218	58,829	74,678	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
19-4061	Social Science Research Assistants	28,502	45,685	52,466	No	No	No	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	34,133	41,510	42,931	Yes	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	32,473	48,746	53,764	Yes	Yes	No	Bachelor's degree	No	No	No
19-4099 19-5011	Life, Physical, and Social Science Technicians, All Other	27,040	46,064	58,157	No	No	Yes	Bachelor's degree	No	No	No No
19-5012	Occupational Health and Safety Specialists Occupational Health and Safety Technicians	34,066 37,367	61,157 57,746	75,264 64,378	Yes Yes	Yes	Yes Yes	Bachelor's degree	No Yes	No Yes	No Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	30,645	54,900	64,847	No	Yes	Yes	Postsecondary nondegree award Master's degree	No	No	No
21-1013	Marriage and Family Therapists	32,677	40,822	46,365	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	22,649	47,461	51,927	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	32,058	52,580	59,953	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	27,539	34,957	37,975	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	27,887	44,282	48,229	No	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	33,999	61,591	76,702	Yes	Yes	Yes	Master's degree	No	No	No
21-1023 21-1029	Mental Health and Substance Abuse Social Workers	27,297 37,086	44,993 47.408	53,263 51,043	No	No No	No No	Bachelor's degree	No No	No No	No No
21-1029	Social Workers, All Other Health Education Specialists	28,205	47,408	62,647	Yes No	Yes	Yes	Bachelor's degree Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	30,264	40,762	45,864	No	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	24,604	35.155	39,928	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	30,267	39,264	37,386	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	20,800	39,215	46,224	No	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	24,494	46,772	59,545	No	No	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	22,679	43,531	50,890	No	No	No	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	27,141	44,870	56,532	No	No	Yes	Bachelor's degree	No	No	No
23-1011 23-1012	Lawyers Judicial Law Clerks	52,000 34.616	102,517 52.475	128,977 58.839	Yes	Yes	Yes	Doctoral or professional degree	No No	No	No No
23-1012	Administrative Law Judges, Adjudicators, and Hearing Officers	39,497	86,813	107,803	Yes Yes	Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree	No	No No	No
23-1022	Arbitrators, Mediators, and Conciliators	33,437	00,013	107,003	163	163	163	boctoral of professional degree	110	140	INO
23-1023	Judges, Magistrate Judges, and Magistrates	39,497	86,813	107,803	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-2011	Paralegals and Legal Assistants	28,496	45,607	49,866	No	No	No	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	32,713	52,134	63,424	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	27,040	54,628	49,494	No	Yes	No	Associate's degree	No	Yes	No
25-1011	Business Teachers, Postsecondary	44,956	92,434	129,505	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021 25-1022	Computer Science Teachers, Postsecondary	44,685 44,222	84,386 70.454	104,570 83.460	Yes	Yes	Yes	Doctoral or professional degree	No	No No	No No
25-1022	Mathematical Science Teachers, Postsecondary Architecture Teachers, Postsecondary	44,222 35,950	95,390	83,460 119,604	Yes Yes	Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No
25-1032	Engineering Teachers, Postsecondary	43,592	83,673	115,111	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	41,628	57,755	70,223	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	48,770	82,691	92,713	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	41,628	57,755	70,223	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	43,369	59,598	57,746	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	36,996	75,679	90,898	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053 25-1054	Environmental Science Teachers, Postsecondary	41,257	67,064	83,608	Yes	Yes	Yes	Doctoral or professional degree	No	No	No No
25-1054 25-1061	Physics Teachers, Postsecondary Anthropology and Archeology Teachers, Postsecondary	44,444 43,369	59,737 79,023	59,033 92,843	Yes Yes	Yes	Yes Yes	Doctoral or professional degree	No No	No No	No No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	45,046	62,108	71,307	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No	No	No No
25-1063	Economics Teachers, Postsecondary	43,582	55,189	50,669	Yes	Yes	No	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	43,369	59,598	57,746	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	42,082	59,255	54,717	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	44,203	75,892	86,322	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	44,388	93,473	111,638	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	42,971	60,469	71,149	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071 25-1072	Health Specialties Teachers, Postsecondary Nursing Instructors and Teachers, Postsecondary	43,433 44,694	68,726 74,252	73,303 87,785	Yes Yes	Yes	Yes Yes	Bachelor's degree Master's degree	No No	No No	No No
25-1072 25-1081	Education Teachers, Postsecondary	44,694	74,252 85,903	135,503	Yes	Yes	Yes	Doctoral or professional degree	No No	No No	No No
25-1082	Library Science Teachers, Postsecondary	44,907	68,787	75,799	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No	No	No No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	39,627	53,976	56,439	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	42,035	130,951	193,634	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
25-1112	Social Work Teachers, Postsecondary	56,782	65,128	71,566	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1113				91.268	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1113 25-1121	Art, Drama, and Music Teachers, Postsecondary	43,508	81,125		163						
25-1113 25-1121 25-1122	Art, Drama, and Music Teachers, Postsecondary Communications Teachers, Postsecondary	42,591	74,234	92,083	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1113 25-1121 25-1122 25-1123	Art, Drama, and Music Teachers, Postsecondary Communications Teachers, Postsecondary English Language and Literature Teachers, Postsecondary	42,591 41,193	74,234 63,665	92,083 72,918	Yes Yes	Yes Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree	No	No No	No
25-1113 25-1121 25-1122 25-1123 25-1124	Art, Drama, and Music Teachers, Postsecondary Communications Teachers, Postsecondary English Language and Literature Teachers, Postsecondary Foreign Language and Literature Teachers, Postsecondary	42,591 41,193 38,080	74,234 63,665 62,961	92,083 72,918 73,104	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Doctoral or professional degree Doctoral or professional degree Doctoral or professional degree	No No	No No No	No No
25-1113 25-1121 25-1122 25-1123	Art, Drama, and Music Teachers, Postsecondary Communications Teachers, Postsecondary English Language and Literature Teachers, Postsecondary	42,591 41,193	74,234 63,665	92,083 72,918	Yes Yes	Yes Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree	No	No No	No

Properties Pro	Vages - Workforce Re May 2022	egion 10	Annual W	ages (¢) by Ossupat	ion	Waga Maat	or Evenade All (Occupation Motric			Wago Moots	or Evenode Educati	anal Lovel Matric
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Second	25-2051	Special Education Teachers, Preschool	35,060	55,828	71,195	Yes	Yes	Yes	Bachelor's degree	ΙÍ	No	No	No
Second	25-2052	Special Education Teachers, Kindergarten and Elementary School	40,729	53,522	60,265	Yes	Yes	Yes	Bachelor's degree	ΙÍ	No	No	No
Second Enclangers In Second Active Second Enclangers In Second Active Second Enclangers In Second Active Second Enclangers In Second England Enclangers In Second England Enclangers In Second England Enclangers In Second England E	25-2057							Yes	Bachelor's degree				
Addresses Courses, and Second Secondary, and Egiph 24 Second 1	25-2058	.,						Yes					
1.00	25-2059		26,900	55,004	74,604	No	Yes	Yes	Bachelor's degree	H	No	No	No
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19-901 Form and from from from from from from from from	25-4031									1 1			
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Securitive Securitiv	25-9045						No	No		ΙÍ			
17-2023 Griff Artisles 13,000	25-9099									ΙÍ			
27-2023	27-1011	Art Directors	46,009	82,228	92,695	Yes	Yes	Yes		ΙÍ	Yes	Yes	Yes
27-2012 Special Effects which and Ammutation 4,2878 0,1386 70,158 10 No Yes Same college, no degree No No No Yes 72-2012 Activated in Michael Michael Delighers 14,478 71,384 10,311 12,484 10	27-1012	Craft Artists	19,693				No	No		ΙÍ		No	No
27-2023	27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	25,464	43,768	44,101	No	No	No	Bachelor's degree	ΙÍ	No	No	No
27-1021 Commercial and industrial Deligners 34,78 73,984 90,513 Ves Ves Ves Bachelor's degree No No Ves	27-1014	Special Effects Artists and Animators	42,878	61,386	70,454	Yes	Yes	Yes	Bachelor's degree	ΙÍ	No	No	No
27-1022 Fabrico Designers 16,771 67,672 77,672	27-1019	Artists and Related Workers, All Other	24,519	47,195	54,883	No	No	Yes	Some college, no degree	ΙÍ	No	Yes	Yes
17-102-1036	27-1021		38,478	71,984	90,513	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
17-2026 Graph: Cheigher 13.00	27-1022		34,671			Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1035 Interior Designer 29,900 59,943 61,261 No Ves Ves Sachelor's degree No No No No No No No	27-1023	Floral Designers							High school diploma or equivalent				No
27-2022 Cache and Swindown Frommers 23,00 22,942 35,360 No No No No Sachedre, no degree No													
17-1072 Set and fashibit Deligners 33,801 42,730 44,240 Ves No No Buchelor's degree No No No No Price 17-10739 No No No No No No No N										H			
27-1029										1 1			
27.7011										H			
27-2012 Produces and Directors 28,628 61,72 75,658 No Yes Yes Bachelor's degree No No No No No No Yes Yes Some college, no degree No										1 1			
27-2021		*** *								\vdash			
27-2022 Coaches and Stouts 23,992 53,150 59,070 No Ves Ves Bachebor's degree No No No No Per 27-2023 Duncers 19,656 42,956 43,129 No No No No No No No N										1 1			
17-2023 Unpires, Referees, and Other Sports Officials 19,656 42,906 43,129 No			-,							1 1			
27.79.01	27-2022									1 1			
27-7302 Choreographers 27-7500 31,818 29,725 No No No Some college, no degree Yes No No No 27-7204 Music Directors and Composers 23,74 57,997 68,897 No Yes Yes Bachelor's degree No No No No 77-7204 Music Directors and Composers 27-7500 31,818 29,725 No No No No Some college, no degree Yes No No No No 77-7205 Disc Lockeys, Except Hadio No Yes Yes Bachelor's degree No No No No No No No No N										1 1			
Music Directors and Composers 23,374 57,997 68,987 No Ves Ves Bachelor's degree No No No No No No No	27-2032									1 1			
Musicians and Singers 27,900 31,818 29,725 No	27-2041	Music Directors and Composers	23,374					Yes		ΙÍ			
Disclockey, Except Radio 20,564 56,226 55,680 No	27-2042						No	No	Some college, no degree	ΙÍ	Yes	No	No
Property Property	27-2091	Disc Jockeys, Except Radio	20,564	56,226			Yes	Yes		Li		No	No
New Analysts, Reporters, and Journalists 33,578 67,101 80,660 Ves Ves Ves Ves Bachelor's degree No	27-2099			56,226			Yes	Yes	Some college, no degree		No	Yes	Yes
Public Relations Specialists S4,440 63,550 Ves Ves Ves Ves Bachelor's degree No	27-3011							No					
27.3041 Editors 29,690 56,888 68,666 No Yes Yes Bachelor's degree No	27-3023				,								
17-3042 Technical Writers 17-3042 Technical Writers 17-3043 Writers and Authors 32,192 48,355 57,200 Yes Yes Yes Bachelor's degree Yes No No No No No No No N	27-3031												
27-3043 Writers and Authors 32,192 48,355 57,200 Ves Ves Ves Ves Bachelor's degree No No No No No No No													
27-3091 Interpreters and Translators 33,796 49,684 57,450 Yes Yes Yes Bachelor's degree No	27-3042									μĮ			
27-3092 Court Reporters and Simultaneous Captioners 26,205 48,835 59,181 No Yes Yes Postsecondary nondegree award No Yes Yes Yes Postsecondary nondegree award No Yes Yes Yes Yes Postsecondary nondegree award No Yes Yes										1 1			
27-3099 Media and Communication Workers, All Other 19,591 43,749 54,142 No										1 1			
Audio and Video Technicians 23,815 46,352 56,013 No.			,	,						\sqcup			
Product Prod										1 1			
27-4014 Sound Engineering Technicians 25,047 62,766 93,399 No Yes Yes Associate's degree No Yes Yes Yes Yes Yes Associate's degree No Yes Yes				,						\vdash			
27,780	27-4012				-, -					1 1			
27-4021 Photographers 26,235 39,723 49,549 No No No No No Some college, no degree Yes Yes Yes Yes Yes Yes 27-4031 Camera Operators, Television, Video, and Film 28,160 54,698 60,413 No Yes Yes Bachelor's degree No	27-4014												
27-4031 Camera Operators, Television, Video, and Film 28,160 54,698 60,413 No Yes Yes Bachelor's degree No No No No No No No	27-4021									1 1			
Film and Video Editors 30,716 51,252 60,210 No Yes Yes Bachelor's degree No No No No No Period	27-4031												
27-4099 Media and Communication Equipment Workers, All Other 25,862 62,331 85,757 No. Yes Yes Associate's degree No. Yes Yes	27-4032									1 1			
29-1011 Chiropractors 47,508 90,152 103,048 Ves Yes Ves Doctoral or professional degree No No No No No Political Surgeons No No No No No Political Surgeons No No No No No No No Political Surgeons No No No No No No Political Surgeons No No No No Political Surgeons No Polit	27-4099									1 1			
29-1021 Dentists, General 71,322 174,225 197,09 Ves Yes Yes Doctoral or professional degree Yes Ye	29-1011		,	,									
29-1022 Oral and Maxillofacial Surgeons 48,659 210,557 * Ves Yes Yes Yes Doctoral or professional degree No Yes Yes Yes	29-1021	· · · · · · · · · ·											
29-1023 Orthodontists 65,21 158,332 197,209 Yes Yes Doctoral or professional degree No Yes Yes 29-1024 Prosthodontists 48,659 210,557 * Ves Yes Yes Doctoral or professional degree No Yes Yes*	29-1022				*					1 1			
29-1024 Prosthodontists 48,659 210,557 * Yes Yes Yes* Doctoral or professional degree No Yes Yes*	29-1023				197.209								
	29-1024				*					1 1			
	29-1029	Dentists, All Other Specialists	48,659	210,557	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*

Wages - Workforce Re	egion 10	A	(f) h O	d	W M	F d- All /	O		144	14	d. Fd	
May 2022			ages (\$) by Occupat Average Annual	High-Level Wage	Representative	Average Annu	Occupation Metric ual High-Level Wage				Average Annual	onal Level Metric High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement			Nage	Threshold
								·				
29-1031	Dietitians and Nutritionists	38,845	60,189	70,021	Yes	Yes	Yes	Bachelor's degree	No		No	No
29-1041 29-1051	Optometrists	64,203 62,990	122,399 114.632	161,396 131,694	Yes	Yes	Yes	Doctoral or professional degree	No No		No No	Yes No
29-1051	Pharmacists Physician Assistants	62,990 75.109	114,632	131,694	Yes Yes	Yes	Yes Yes	Doctoral or professional degree Master's degree	Yes		vo /es	Yes
29-1071	Podiatrists	63,781	138.450	189,225	Yes	Yes	Yes	Doctoral or professional degree	No		No	Yes
29-1122	Occupational Therapists	58.876	81.271	93,524	Yes	Yes	Yes	Master's degree	Yes		res	Yes
29-1123	Physical Therapists	50,994	87,451	98,410	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
29-1124	Radiation Therapists	67,213	86,482	85,903	Yes	Yes	Yes	Associate's degree	Yes		res .	Yes
29-1125	Recreational Therapists	25,839	36,786	42,948	No	No	No	Bachelor's degree	No		No	No
29-1126	Respiratory Therapists	50,849	63,119	70,204	Yes	Yes	Yes	Associate's degree	Yes	,	/es	Yes
29-1127	Speech-Language Pathologists	52,510	78,376	94,506	Yes	Yes	Yes	Master's degree	Yes	,	/es	Yes
29-1128	Exercise Physiologists	36,700	49,140	52,549	Yes	Yes	No	Master's degree	No		No	No
29-1129	Therapists, All Other	32,837	57,514	71,232	Yes	Yes	Yes	Bachelor's degree	No		No	No
29-1131	Veterinarians	33,656	94,384	125,797	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
29-1141	Registered Nurses	59,412	72,316	75,506	Yes	Yes	Yes	Bachelor's degree	Yes		No	No
29-1151 29-1161	Nurse Anesthetists	112,216	154,766	168,869	Yes	Yes	Yes	Master's degree	Yes		/es	Yes
29-1161	Nurse Midwives Nurse Practitioners	58,468	90,490	103,949	Yes	Yes	Yes	Master's degree	Yes		res .	Yes
29-1171	Audiologists	52,000 69,134	100,275 82,042	117,154 87,665	Yes Yes	Yes	Yes Yes	Master's degree Doctoral or professional degree	Yes		/es No	Yes No
29-1211	Anesthesiologists	156,422	353,615	87,003	Yes	Yes	Yes*	Doctoral or professional degree	Yes		res	Yes*
29-1212	Cardiologists	173,247	374,749	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		res	Yes*
29-1213	Dermatologists	57,681	240,810	*	Yes	Yes	Yes*	Doctoral or professional degree	No		res	Yes*
29-1214	Emergency Medicine Physicians	203,141	296,518	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		/es	Yes*
29-1215	Family Medicine Physicians	89,513	176,055	213,030	Yes	Yes	Yes	Doctoral or professional degree	Yes		/es	Yes
29-1216	General Internal Medicine Physicians	33,280	169,156	208,518	Yes	Yes	Yes	Doctoral or professional degree	No	,	/es	Yes
29-1217	Neurologists	86,470	254,501	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	,	/es	Yes*
29-1218	Obstetricians and Gynecologists	57,681	240,810	*	Yes	Yes	Yes*	Doctoral or professional degree	No		/es	Yes*
29-1221	Pediatricians, General	126,464	209,027	220,672	Yes	Yes	Yes	Doctoral or professional degree	Yes	,	/es	Yes
29-1222	Physicians, Pathologists	92,083	235,892	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		/es	Yes*
29-1223	Psychiatrists	50,687	170,975	192,853	Yes	Yes	Yes	Doctoral or professional degree	No		/es	Yes
29-1224	Radiologists	44,697	308,191		Yes	Yes	Yes*	Doctoral or professional degree	No		/es	Yes*
29-1229 29-1241	Physicians, All Other Ophthalmologists, Except Pediatric	119,647 94,492	289,608	*	Yes Yes	Yes	Yes* Yes*	Doctoral or professional degree Doctoral or professional degree	Yes Yes		res res	Yes* Yes*
29-1241	Orthopedic Surgeons, Except Pediatric	60,210	203,397	*	Yes	Yes	Yes*	Doctoral or professional degree	No		res /es	Yes*
29-1242	Pediatric Surgeons	60,210	296,814	*	Yes	Yes	Yes*	Doctoral or professional degree	No		res res	Yes*
29-1249	Surgeons, All Other	90.195	374,086	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		res	Yes*
29-1291	Acupuncturists	26,863	46,834	50.567	No	No	No	Master's degree	No		No	No
29-1292	Dental Hygienists	49,781	69,820	74,880	Yes	Yes	Yes	Associate's degree	Yes		res .	Yes
29-1299	Healthcare Diagnosing or Treating Practitioners, All Other	29,290	51,391	66,601	No	Yes	Yes	Master's degree	No		No	No
29-2010	Clinical Laboratory Technologists and Technicians	28,845	49,794	63,372	No	Yes	Yes	Associate's degree	No		No	Yes
29-2031	Cardiovascular Technologists and Technicians	28,678	58,926	72,208	No	Yes	Yes	Associate's degree	No	,	/es	Yes
29-2032	Diagnostic Medical Sonographers	53,922	65,434	74,124	Yes	Yes	Yes	Associate's degree	Yes	,	/es	Yes
29-2033	Nuclear Medicine Technologists	63,372	77,428	80,176	Yes	Yes	Yes	Associate's degree	Yes		/es	Yes
29-2034	Radiologic Technologists and Technicians	44,309	56,930	61,762	Yes	Yes	Yes	Associate's degree	Yes		/es	Yes
29-2035	Magnetic Resonance Imaging Technologists	59,647	63,847	64,831	Yes	Yes	Yes	Associate's degree	Yes		/es	Yes
29-2036	Medical Dosimetrists	93,575	118,381	131,599	Yes	Yes	Yes	Postsecondary nondegree award	Yes		/es	Yes
29-2042	Emergency Medical Technicians	22,743	31,313	36,571	No	No	No	Postsecondary nondegree award	No		No	No
29-2043 29-2051	Paramedics Dietetic Technicians	33,254 25,235	40,498 27.469	42,399 25,732	Yes No	No No	No No	Postsecondary nondegree award	Yes No		No No	No No
29-2052	Pharmacy Technicians	28,549	35,670	39,080	No	No	No	Associate's degree	No		No.	No
29-2053	Psychiatric Technicians	25,861	36,407	38,531	No	No	No	Postsecondary nondegree award Postsecondary nondegree award	No		No	No
29-2055	Surgical Technologists	37,550	50,884	58,858	Yes	Yes	Yes	Postsecondary nondegree award	Yes		/es	Yes
29-2056	Veterinary Technologists and Technicians	27,417	34,520	36,342	No	No	No	Associate's degree	No		No	No
29-2057	Ophthalmic Medical Technicians	26,981	38,489	43,750	No	No	No	Postsecondary nondegree award	No		No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	41,600	49,264	53,372	Yes	Yes	No	Postsecondary nondegree award	Yes		/es	Yes
29-2072	Medical Records Specialists	28,890	41,011	45,751	No	No	No	Postsecondary nondegree award	No	1	No	No
29-2081	Opticians, Dispensing	29,180	47,190	61,991	No	No	Yes	Postsecondary nondegree award	Yes		/es	Yes
29-2091	Orthotists and Prosthetists	39,497	77,328	89,897	Yes	Yes	Yes	Master's degree	No		/es	Yes
29-2092	Hearing Aid Specialists	28,901	49,149	62,062	No	Yes	Yes	Postsecondary nondegree award	No		/es	Yes
29-2099	Health Technologists and Technicians, All Other	28,256	38,657	38,624	No	No	No	Postsecondary nondegree award	No		No	No
29-9021	Health Information Technologists and Medical Registrars	29,173	68,634	78,463	No	Yes	Yes	Postsecondary nondegree award	Yes		/es	Yes
29-9091 29-9092	Athletic Trainers	36,956	47,541	50,049	Yes	No	No	Bachelor's degree	No		No	No
29-9092 29-9093	Genetic Counselors Surgical Assistants	47,649 28.075	82,228 41.380	95,390 55,779	Yes No	Yes No	Yes	Master's degree	Yes No		es /es	Yes
29-9093	Healthcare Practitioners and Technical Workers, All Other	28,075 26,137	41,380 46.261	55,779 51.378	No No	No No	Yes No	Postsecondary nondegree award Postsecondary nondegree award	No No		es /es	Yes Yes
31-1120	Home Health and Personal Care Aides	20,137	26,448	28,296	No	No	No No	High school diploma or equivalent	No		/es No	No
31-1131	Nursing Assistants	24,676	30,466	33,700	No	No	No	Postsecondary nondegree award	No		No	No
31-1132	Orderlies	22,853	29.069	31,332	No	No	No	High school diploma or equivalent	No		No.	No
31-1133	Psychiatric Aides	25,786	29,332	31,575	No	No	No	High school diploma or equivalent	No		No	No
31-2011	Occupational Therapy Assistants	49,668	64,441	70,264	Yes	Yes	Yes	Associate's degree	Yes		res	Yes
31-2012	Occupational Therapy Aides	27,733	51,891	63,285	No	Yes	Yes	Postsecondary nondegree award	No		/es	Yes
31-2021	Physical Therapist Assistants	42,652	62,496	71,487	Yes	Yes	Yes	Associate's degree	Yes	,	/es	Yes
31-2022	Physical Therapist Aides	22,880	28,022	29,163	No	No	No	Postsecondary nondegree award	No	- 1	No	No
31-9011	Massage Therapists	29,150	47,812	49,017	No	No	No	Postsecondary nondegree award	No	1	/es	Yes
31-9091	Dental Assistants	33,650	41,599	46,783	Yes	No	No	Postsecondary nondegree award	Yes		/es	No
31-9092	Medical Assistants	27,849	34,479	36,088	No	No	No	Postsecondary nondegree award	No		No	No
31-9093	Medical Equipment Preparers	31,531	35,118	36,207	Yes	No	No	High school diploma or equivalent	Yes		No	No
31-9094	Medical Transcriptionists	27,925	36,911	42,243	No	No	No	Postsecondary nondegree award	No		No	No

May 2022	egion 10	Annual W	/ages (\$) by Occupat	ion I	W	ge Meets or Exceeds	All Occupation Metric	1	Wa	ge Meets or	Exceeds Educati	ional Level Metric
, 2022			Average Annual	High-Level Wage	Represe				Represe		Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting		Threshold	Educational Requirement	Starting		Wage	Threshold
31-9095	Pharmacy Aides	25,375	28,971	29,561	No	No	No	High school diploma or equivalent	No		No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	24,476	30,971	34,573	No	No	No	High school diploma or equivalent	No		No	No
31-9097	Phlebotomists	28,775	34,812	36,004	No	No	No	Postsecondary nondegree award	No		No	No
31-9099	Healthcare Support Workers, All Other	26,135	43,470	48,801	No	No	No	High school diploma or equivalent	No		Yes	No
33-1011	First-Line Supervisors of Correctional Officers	38,997	50,178	49,094	Yes	Yes	No	Some college, no degree	Yes		Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	57,810	81,064	96,034	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	48,924	75,590	90,934	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
33-1091	First-Line Supervisors of Security Workers	32,351	52,801	65,484	Yes	Yes	Yes	Bachelor's degree	No		No	No
33-1099	First-Line Supervisors of Protective Service Workers, All Other	34,147	52,142	62,869	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
33-2011	Firefighters	29,163	46,118	58,830	No	No	Yes	Postsecondary nondegree award	Yes		Yes	Yes
33-2021	Fire Inspectors and Investigators	38,818	53,044	52,250	Yes	Yes	No	Postsecondary nondegree award	Yes		Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	51,558	84,784	95,715	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
33-3011	Bailiffs	44,462	47,796	53,186	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
33-3012	Correctional Officers and Jailers	33,041	39,163	40,706	Yes	No	No	High school diploma or equivalent	Yes		No	No
33-3021	Detectives and Criminal Investigators	38,872	54,075	56,430	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
33-3031	Fish and Game Wardens	25,047	27,159	27,317	No	No	No	Bachelor's degree	No		No	No
33-3041	Parking Enforcement Workers	29,410	37,728	39,266	No	No	No	High school diploma or equivalent	Yes		No	No
33-3051	Police and Sheriff's Patrol Officers	38,043	56,031	66,739	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
33-3052	Transit and Railroad Police	55,319	68,731	56,412	Yes	Yes	Yes	Associate's degree	Yes		Yes	No
33-9011	Animal Control Workers	23,215	32,468	36,900	No	No	No	Postsecondary nondegree award	No		No	No
33-9021	Private Detectives and Investigators	26,115	51,633	67,621	No	Yes	Yes	Bachelor's degree	No		No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	26,279	33,004	35,774	No	No	No	High school diploma or equivalent	No		No	No
33-9032 33-9091	Security Guards	21,517	31,656	34,337	No	No	No	High school diploma or equivalent	No		No	No
	Crossing Guards and Flaggers	25,894	30,359	32,357	No	No	No	No formal educational credential	Yes		Yes	No
33-9092 33-9093	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	20,800	24,358	25,082	No	No	No	No formal educational credential	No		No	No
	Transportation Security Screeners	32,680	40,628	44,370	Yes	No	No	High school diploma or equivalent	Yes		No	No
33-9094	School Bus Monitors	22,489	26,220	27,084	No	No	No	High school diploma or equivalent	No		No	No
33-9099	Protective Service Workers, All Other	22,139	36,029	39,724	No	No	No	High school diploma or equivalent	No		No	No
35-1011	Chefs and Head Cooks	29,187	48,033	60,154	No	No	Yes	Associate's degree	No		No	Yes
35-1012 35-2011	First-Line Supervisors of Food Preparation and Serving Workers	27,082	37,724	45,759	No	No	No	High school diploma or equivalent	No		No	No
	Cooks, Fast Food	21,140	24,958	27,130	No	No	No	No formal educational credential	No		No	No
35-2012 35-2013	Cooks, Institution and Cafeteria	22,535	30,555	33,693	No	No	No	No formal educational credential	No		Yes	Yes
35-2013	Cooks, Private Household	29,966	54,522	67,185	No No	Yes No	Yes No	Postsecondary nondegree award	Yes		Yes	Yes
	Cooks, Restaurant	23,240	30,337	34,184				High school diploma or equivalent	No		No	No
35-2015 35-2019	Cooks, Short Order Cooks, All Other	22,266 24.381	28,955 29,711	31,422 31.898	No No	No No	No No	No formal educational credential	No Yes		No No	No
35-2019	Food Preparation Workers	,					·	No formal educational credential				No
35-3011	Bartenders	22,189 20.800	28,800 32.115	33,130 35,938	No No	No No	No No	No formal educational credential No formal educational credential	No No		No Yes	Yes Yes
35-3023	Fast Food and Counter Workers	21,168	23,995	26,149	No	No	No	No formal educational credential	No		No	No
35-3023	Waiters and Waitresses	20,800	30.150	34.662	No	No	No	No formal educational credential	No		Yes	Yes
35-3041	Food Servers, Nonrestaurant	21,610	26,114	27,542	No	No	No	No formal educational credential	No		No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	20,800	26,525	29,150	No	No	No	No formal educational credential	No		No	No
35-9021	Dishwashers	21,034	24,850	27,023	No	No	No	No formal educational credential	No		No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	20,800	25,792	27,905	No	No	No	No formal educational credential	No		No	No
35-9099	Food Preparation and Serving Related Workers, All Other	21,744	26,585	27,988	No	No	No	No formal educational credential	No		No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	27,241	42,063	46,905	No	No	No	High school diploma or equivalent	No		No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	33,549	50,414	61,157	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	21,938	28.104	30.174	No	No	No	High school diploma or equivalent	No		No	No
37-2012	Maids and Housekeeping Cleaners	21.617	25.961	28.009	No	No	No	No formal educational credential	No		No	No
37-2019	Building Cleaning Workers, All Other	22,639	28,178	30,753	No	No	No	No formal educational credential	No		No	No
37-2021	Pest Control Workers	29,597	39,383	44,747	No	No	No	High school diploma or equivalent	Yes		No	No
37-3011	Landscaping and Groundskeeping Workers	24,441	30.577	34,311	No	No	No	No formal educational credential	Yes		Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	21,977	35,177	39,093	No	No	No	High school diploma or equivalent	No		No	No
37-3013	Tree Trimmers and Pruners	28,039	34,914	43,495	No	No	No	High school diploma or equivalent	Yes		No	No
37-3019	Grounds Maintenance Workers, All Other											
39-1013	First-Line Supervisors of Gambling Services Workers	28,299	73,874	65,480	No	Yes	Yes	Some college, no degree	Yes		Yes	Yes
	First-Line Supervisors of Entertainment and Recreation Workers, Except							1				
39-1014	Gambling Services	24,944	48,473	56,458	No	Yes	Yes	Some college, no degree	No		Yes	Yes
39-1022	First-Line Supervisors of Personal Service Workers	28,067	45,697	53,748	No	No	No	Some college, no degree	Yes		Yes	Yes
39-2011	Animal Trainers	27,036	47,367	47,319	No	No	No	High school diploma or equivalent	No		Yes	No
39-2021	Animal Caretakers	22,564	29,327	32,062	No	No	No	High school diploma or equivalent	No		No	No
39-3011	Gambling Dealers	19,888	32,606	44,036	No	No	No	High school diploma or equivalent	No		No	No
39-3012	Gambling and Sports Book Writers and Runners	19,851	26,492	28,502	No	No	No	High school diploma or equivalent	No		No	No
39-3019	Gambling Service Workers, All Other	19,267	30,003	34,884	No	No	No	High school diploma or equivalent	No		No	No
39-3021	Motion Picture Projectionists							·				
39-3031	Ushers, Lobby Attendants, and Ticket Takers	20,800	24,194	26,262	No	No	No	No formal educational credential	No		No	No
39-3091	Amusement and Recreation Attendants	20,800	24,209	26,537	No	No	No	No formal educational credential	No		No	No
39-3092	Costume Attendants	23,954	38,479	44,777	No	No	No	High school diploma or equivalent	No		No	No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	20,990	28,058	30,679	No	No	No	High school diploma or equivalent	No		No	No
39-3099	Entertainment Attendants and Related Workers, All Other	21,574	26,853	26,900	No	No	No	High school diploma or equivalent	No		No	No
39-4011	Embalmers	30,262	43,249	48,455	No	No	No	Associate's degree	No		No	No
39-4012	Crematory Operators	29,230	35,261	45,653	No	No	No	High school diploma or equivalent	Yes		No	No
39-4021	Funeral Attendants	20,800	29,138	29,357	No	No	No	High school diploma or equivalent	No		No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	30,889	54,170	62,199	Yes	Yes	Yes	Associate's degree	No		Yes	Yes
39-5011	Barbers	21,004	30,227	36,534	No	No	No	Postsecondary nondegree award	No		No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	21,937	33,767	39,314	No	No	No	Postsecondary nondegree award	No		No	No
	Makeup Artists, Theatrical and Performance							-	T i			
39-5091	Wakeup Artists, Theatrical and Ferrormance											

Wages - Workforce Re	egion 10	I 4134	((¢) b 0	e T	W M		O	1			F d- F-d	danal I amal Bankala
May 2022			ages (\$) by Occupat Average Annual	High-Level Wage	Representative	Average Annu	Occupation Metric ual High-Level Wage			vage ivieets c esentative	Average Annua	tional Level Metric I High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		ng Wage	Wage	Threshold
	,		-			•		·			•	
39-5093	Shampooers	19,267	22,731	24,528	No	No	No	High school diploma or equivalent	No		No	No
39-5094	Skincare Specialists	21,138	38,108	41,906	No	No	No	Postsecondary nondegree award	No		No	No
39-6011	Baggage Porters and Bellhops	20,027	27,483	31,911	No	No	No	High school diploma or equivalent	No		No	No
39-6012	Concierges	22,898	33,078	35,422	No	No	No	High school diploma or equivalent	No		No	No
39-7010 39-9011	Tour and Travel Guides Childcare Workers	20,800	35,833	39,017 28,597	No	No	No	High school diploma or equivalent	No		No	No
39-9011	Exercise Trainers and Group Fitness Instructors	21,302 20,800	26,916 38,351	28,597 47,125	No No	No No	No No	High school diploma or equivalent	No No		No No	No Yes
39-9032	Recreation Workers	20,800	29.101	31.519	No No	No	No No	Postsecondary nondegree award Bachelor's degree	No No		No	No Yes
39-9041	Residential Advisors	26,549	32,592	34,597	No	No	No	Some college, no degree	Yes		No	No
39-9099	Personal Care and Service Workers, All Other	19,267	28,512	30,262	No	No	No	High school diploma or equivalent	No		No	No
41-1011	First-Line Supervisors of Retail Sales Workers	28,795	50,870	53,908	No	Yes	No	Some college, no degree	Yes		Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	41,466	85,574	96,298	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
41-2011	Cashiers	20,800	25,439	27,602	No	No	No	No formal educational credential	No		No	No
41-2012	Gambling Change Persons and Booth Cashiers	19,665	30,827	31,939	No	No	No	No formal educational credential	No		Yes	No
41-2021	Counter and Rental Clerks	22,170	33,378	36,826	No	No	No	No formal educational credential	No		Yes	Yes
41-2022	Parts Salespersons	21,441	32,835	38,694	No	No	No	High school diploma or equivalent	No		No	No
41-2031	Retail Salespersons	21,396	32,483	33,896	No	No	No	High school diploma or equivalent	No		No	No
41-3011	Advertising Sales Agents	24,514	71,520	64,277	No	Yes	Yes	Some college, no degree	No		Yes	Yes
41-3021	Insurance Sales Agents	31,179	60,750	63,949	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	37,285	57,442	60,251	Yes	Yes	Yes	Bachelor's degree	No		No	No
41-3041	Travel Agents	22,521	42,559	47,012	No	No	No	Some college, no degree	No		Yes	Yes
41 2001	Sales Representatives of Services, Except Advertising, Insurance, Financial	20.450	F0 470	70.000	N-	V	V	Deshalada dansar	l I		N-	N-
41-3091	Services, and Travel	29,160	59,172	70,839	No	Yes	Yes	Bachelor's degree	No		No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	36.085	00.740	444.000	Voc	Voc	Voc	Pacholaris dograe	No		Voc	Vos
41-4011	Sales Representatives, Wholesale and Manufacturing, Except Technical and	36,085	88,710	114,332	Yes	Yes	Yes	Bachelor's degree	NO		Yes	Yes
41-4012	Scientific Products	29.594	62.192	72.421	No	Yes	Yes	Some college, no degree	Yes		Yes	Yes
41-9011	Demonstrators and Product Promoters	21,796	31,804	35,579	No	No	No	No formal educational credential	No		Yes	Yes
41-9012	Models	21,730	31,004	33,373	NO	140	140	No formal educational credential	140		163	163
41-9021	Real Estate Brokers	46,854	112,576	139,824	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
41-9022	Real Estate Sales Agents	30.102	91.243	94.351	No	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
41-9031	Sales Engineers	45.185	114,370	148,875	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
41-9041	Telemarketers	20,809	23,923	22,462	No	No	No	High school diploma or equivalent	No		No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	19,971	32,865	46,241	No	No	No	High school diploma or equivalent	No		No	No
41-9099	Sales and Related Workers, All Other	21,251	35,682	38,863	No	No	No	Some college, no degree	No		No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	34,165	56,122	66,378	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	23,785	30,816	33,497	No	No	No	High school diploma or equivalent	No		No	No
43-2021	Telephone Operators	26,000	29,795	34,493	No	No	No	High school diploma or equivalent	No		No	No
43-2099	Communications Equipment Operators, All Other	21,518	45,565	53,438	No	No	No	High school diploma or equivalent	No		Yes	Yes
43-3011	Bill and Account Collectors	29,036	40,693	48,012	No	No	No	High school diploma or equivalent	Yes		No	No
43-3021	Billing and Posting Clerks	30,442	38,955	41,389	No	No	No	High school diploma or equivalent	Yes		No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	27,596	41,248	47,719	No	No	No	Some college, no degree	Yes		Yes	Yes
43-3041	Gambling Cage Workers	20,555	29,688	35,320	No	No	No	High school diploma or equivalent	No		No	No
43-3051	Payroll and Timekeeping Clerks	31,141	42,285	47,214	Yes	No	No	Some college, no degree	Yes		Yes	Yes
43-3061	Procurement Clerks	27,908	40,224	47,255	No	No	No	Associate's degree	No		No	No
43-3071 43-3099	Tellers	30,106 33,236	37,352	38,816	No	No	No	High school diploma or equivalent	Yes		No	No
43-4011	Financial Clerks, All Other Brokerage Clerks	,	50,391	56,439	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-4011	Correspondence Clerks	34,514	51,382	55,763	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-4021	Court, Municipal, and License Clerks	30,975 31,778	34,597 40,409	37,608 45,153	Yes Yes	No No	No No	High school diploma or equivalent	Yes Yes		No Yes	No Yes
43-4041	Credit Authorizers, Checkers, and Clerks	26,742	40,461	47,158	No	No	No	Some college, no degree Some college, no degree	Yes		Yes	Yes
43-4051	Customer Service Representatives	25,755	35.691	40,322	No	No	No	High school diploma or equivalent	No		No	No
43-4061	Eligibility Interviewers, Government Programs	27,040	32,618	35,506	No	No	No	High school diploma or equivalent	No		No	No
43-4071	File Clerks	24,366	32,535	36,570	No	No	No	High school diploma or equivalent	No		No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	22,409	27,166	28,115	No	No	No	High school diploma or equivalent	No		No	No
43-4111	Interviewers, Except Eligibility and Loan	28,410	34,942	38,552	No	No	No	High school diploma or equivalent	Yes		No	No
43-4121	Library Assistants, Clerical	23,988	33,329	36,633	No	No	No	Some college, no degree	No		No	No
43-4131	Loan Interviewers and Clerks	28,084	43,132	52,000	No	No	No	High school diploma or equivalent	Yes		Yes	Yes
43-4141	New Accounts Clerks	33,588	40,229	43,573	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-4151	Order Clerks	24,983	37,267	41,633	No	No	No	High school diploma or equivalent	No		No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	29,455	40,119	42,986	No	No	No	Associate's degree	No		No	No
43-4171	Receptionists and Information Clerks	22,479	30,031	33,397	No	No	No	High school diploma or equivalent	No		No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	26,313	37,717	37,850	No	No	No	High school diploma or equivalent	No		No	No
43-4199	Information and Record Clerks, All Other	28,080	37,667	41,600	No	No	No	High school diploma or equivalent	Yes		No	No
43-5011	Cargo and Freight Agents	38,787	62,918	73,367	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5021	Couriers and Messengers	21,505	31,186	33,245	No	No	No	High school diploma or equivalent	No		No	No
43-5031	Public Safety Telecommunicators	32,715	41,358	46,449	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	26,329	43,503	50,383	No	No	No	High school diploma or equivalent	No		Yes	Yes
43-5041 43-5051	Meter Readers, Utilities	25,983	43,339	52,867	No	No	No	High school diploma or equivalent	No		Yes	Yes
	Postal Service Clerks	39,770	54,480	60,798	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5052 43-5053	Postal Service Mail Carriers Postal Service Mail Servers Processors and Processing Machine Operators	39,645 35,737	54,415 48.316	70,179 62,210	Yes	Yes	Yes Yes	High school diploma or equivalent	Yes Yes		Yes Yes	Yes Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators Production, Planning, and Expediting Clerks	35,737 29.315	48,316 48.338	56,953	Yes No	Yes	Yes	High school diploma or equivalent Some college, no degree	Yes		Yes	Yes
43-5001	Shipping, Receiving, and Inventory Clerks	29,315	-,	40.935		No No	No No	High school diploma or equivalent	No Yes		No	
43-5071	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	25,134 30,344	35,402 36,712	40,935 39.181	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	Yes		No No	No No
43-6011	Executive Secretaries and Executive Administrative Assistants	30,344	48,190	39,181 55,829	No No	No No	Yes	Some college, no degree	Yes		Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	29,777	44,078	49.818	No	No	No	Some college, no degree	Yes		Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	28,083	33,306	35,189	No	No	No	Some college, no degree	Yes		No	No
		1 20,000	33,300	33,103	1							

Section Sect				1	L W/ (Ĉ) b O	-41		14/ 844	Fd- All	O		14/ 84	Fd. Fd	ational Level Metric
Sequence Companion Process Companion Compani							-					Representative	Average Ann	
1997 State from Foreign and Parks 2,252 2,259 100		,									Educational Requirement	Starting Wage	Wage	Threshold
1997 State from Foreign and Parks 2,252 2,259 100	_													
Appendix March Processors and Pypers March Processors March Pr	ative	ministrative Assistants, E	s, Except Legal, Medical, and Executive		,			No			High school diploma or equivalent	No	No	No
September Sept	icto	and Tunists		.,	. ,	. ,						No No	No No	No No
1991 Improme Chain and while Processing Cereb 22,000 46,041 44,465 50 50 50 50 50 50 50	313			,	,	,						No	No	No
Appendix Mail Cords and Machine Operators, Expendix Services 2,978 20,911 3,8,889 No. 10 14th photod dighters or egint 20,921 21,921 22,921 23,921 20,	cy Pr		lerks	.,	-,,	,					High school diploma or equivalent	Yes	Yes	No
49-901 Office Machine Operations, Lorget Computer 20,717 11,179 15,356 No											High school diploma or equivalent	No	No	No
49.9013 Professional and Copy features 25.127 27.971 31.815 No No No Backelor's agree					37,210				No	No	High school diploma or equivalent	No	No	No
Septiment Sept			ıter		.,	,					High school diploma or equivalent	No	No	No
6-9590 Office and Animal Segret Workers All Other \$3,00	arker											No	No	No No
	Sun	•••	ars All Other		,	,==.						No Yes	No Yes	No Yes
49-2011 Agricultural Improcessors												Yes	Yes	Yes
Section Conference and Conservation Conference 20,975 34,371 33,331 10			, ,									No	No	No
4-2001 Agricultural Engineer Operation								No	No	No	High school diploma or equivalent	No	No	No
5-2002 Farmworkers, Crop, Nurrey, and Greenhouse 2,268 31,314 37,199 No			ts	.,							No formal educational credential	No	No	No
Second Farmworker, Jam. Barch, and Aquacularul Anneha 2,4773 13,370 17,101 No			. and Connellation									Yes	Yes	Yes
4-2009 Agricultural Workers, All Other 17,040 44,056 59,662 No												No Yes	Yes	Yes Yes
4-3012 Failing and flushing Workers			turai Ammais									Yes	Yes	Yes
4-4011 Forest and Conservation Workers 30,318 30,185 46,185 No No No Postscordary mondage and workers 4-4021 1gging Explaners () 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1											No formal educational credential	Yes	Yes	Yes
5-4022 Logging tappiment Operators 26,717 45,150 52,889 No No No High shoold oplone or equity of 4-6029 Logging tappiment Operators 41,600 43,844 43,653 Yes No No High shoold oplone or equity of 4-6029 Logging Workers, All Other 41,600 43,844 43,653 Yes No No High shoold oplone or equity of 4-6029 Logging Workers, All Other 41,600 43,844 43,653 Yes No No High shoold oplone or equity of 4-6029 Logging Workers, All Other 41,600 No No High shoold oplone or equity of 4-6029 Logging Workers, All Other 41,600 No No No High shoold oplone or equity of 4-6029 Logging Workers, All Other 41,600 No No No High shoold oplone or equity of 4-6029 Logging Workers, All Other 41,600 No No No High shoold oplone or equity of 4-6029 Logging Workers, All Other 41,600 No					39,145	46,185		No	No	No	Postsecondary nondegree award	Yes	No	No
6-4029 Leg Graders and Scalers 20.075 24.371 25.383 No No No High school diploma or equiv 6-4029 Leger Workers and Control Trades and Extraction Workers 30,000 61,515 71,015 Yes Yes Yes Some college, no degree 47.2011 50,000 61,515 71,015 Yes Yes Yes Some college, no degree 47.2011 50,000 61,515 71,015 Yes Yes Yes Yes Some college, no degree 47.2011 50,000 61,515 71,015 Yes Y											High school diploma or equivalent	Yes	Yes	No
4-4099 Logging Worker, All Other 41,009 43,844 43,653 Ves No No High shool dightom or required for 1-7011 First Lies Expensions of Construction Trades and Estraction Workers 39,050 61,515 7-1015 Ves Ves Ves Some college, no degree 47-2011 Bollemakers 43,077 43,387 52,799 No No No High shool dightom or required 47-2013 44,444 44,077 44,07	tors										High school diploma or equivalent	No	Yes	Yes
47-2011 First Line Supervisor of Construction Trades and Extraction Workers 13,050 6.15.55 7.10.15 Ves Ves Ves Some college, no degree 47-2021 Bollemakers 13,067 43,387 43,3												No	No	No
3-2011 Solemakers 13,267 4,337 52,799 No No No High school diploma or equivalent of the property			ides and Extraction Workers		-,-							Yes	Yes	No Yes
## 27-2021 Brichmanons and Blockmanons 28,482 41,707 49,181 No	51150	or construction made	aces and Extraction Workers								High school diploma or equivalent	No	Yes	Yes
47-2031 Carpetentes	sons	Blockmasons			-,						High school diploma or equivalent	Yes	No	Yes
47-2041 Carpet Intallers				27,260		54,527		No	No	No	High school diploma or equivalent	No	No	Yes
47-2042 Floor Layers, Except Carpet, Wood, and Fland Tiles 31,272 42,017 47,390 Ves No No No No No Formal educational creder											Postsecondary nondegree award	No	Yes	No
47-2043 Flors Sanders and Finishers 22,500 36,450 45,338 No.				,	,	,					No formal educational credential	No	Yes	Yes
17-2044 Tile and Stone Setters			lard liles		,.	,						Yes No	Yes	Yes Yes
17-2051 Cement Masons and Concrete Finishers 28,200 41,420 47,388 No No No No No Formal educational creder 47-2051 Construction Laborers 23,541 48,122 53,522 Yes No No No High school diplomar equival 47-2072 Paving, Surfacing, and Tamping Equipment Operators 26,669 35,075 37,539 No No No No No High school diplomar equival 47-2072 Pille Driver Operators 28,080 38,735 41,712 No No No No High school diplomar or equival 47-2072 Pille Driver Operators 29,752 34,4796 46,139 Yes No No No High school diplomar or equival 47-2073 No No No No No High school diplomar or equival 47-2073 No No No No No High school diplomar or equival 47-2073 No No No No No No No High school diplomar or equival 47-2082 Tapers 26,492 38,777 43,638 No	_			,	,	,					No formal educational credential	Yes	Yes	Yes
47-2012	rete			.,	,	,					No formal educational credential	Yes	Yes	Yes
17-2071	isher	and Finishers		32,541	48,112	53,522		Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2072 Pile Diver Operators 32,078 44,796 46,139 Ves No No High school diploma or equiv 47-2073 Operating Enjeners and Other Construction Equipment Operators 29,752 39,408 44,268 No No No No No No No N									No	No	No formal educational credential	Yes	Yes	Yes
47-2073 Operating Engineers and Other Construction Equipment Operators 29,752 39,408 42,412 No	nping		nt Operators	.,							High school diploma or equivalent	Yes	No	No
47-2081 Drywall and Celling Tile Installers 20,800 33,928 42,412 7,000 7	0.1											Yes	Yes	No
47-2012			tion Equipment Operators									Yes No	No Yes	No Yes
47-2111 Electricians 34,450 46,613 50,221 Ves No No Postsecondary nondegree aw 47-2121 Glaziers 72,246 39,248 46,973 No No No No No High school diploma or equivolated 47-2121 Insulation Workers, Floor, Ceiling, and Wall 27,619 43,954 48,386 No No No No No High school diploma or equivolated 47-2121 Painters, Construction and Maintenance 28,317 36,383 38,350 No No No No No High school diploma or equivolated 47-2142 Painters, Construction and Maintenance 28,317 36,383 38,350 No	scanc	, The matanera										Yes	Yes	Yes
47-2121 Glaziers											Postsecondary nondegree award	Yes	Yes	Yes
47-2132				27,246	39,243	46,973		No	No	No	High school diploma or equivalent	No	No	No
A7-2141			all								High school diploma or equivalent	No	Yes	No
47-2142 Paperhangers 27,465 34,255 41,248 No No No No No No No No Formal educational creder 47-2151 Pipelayers 33,057 39,972 43,713 Yes No No No No Formal educational creder 47-2152 Plumbers, Pipelitters, and Steamfitters 30,895 43,263 47,280 Yes No No No Postsecondary nondegree aw 47-2161 Plasterers and Stucco Masons 28,913 39,684 45,145 No No No No No No No Formal educational creder 47-2171 Reinforcing from and Rebar Workers 32,652 43,471 51,030 Yes No No No No High school diploma or equival 47-2181 Roofers 26,749 39,716 46,169 No No No No No No No Formal educational creder 47-2211 Sheet Metal Workers 31,201 41,315 46,048 Yes No No No No High school diploma or equival 47-2221 Structural Iron and Steel Workers 31,201 41,315 46,048 Yes No No No High school diploma or equival 47-2221 Structural Iron and Steel Workers 32,911 40,266 43,360 Yes No No No High school diploma or equival 47-2313 Solar Photovoltaic Installers 32,911 40,266 43,360 Yes No											High school diploma or equivalent	Yes	Yes	No
47-2151	I Ma	tion and Maintenance			,	,						Yes	Yes	Yes
47-2152 Plumbers, Pipefitters, and Steamfitters 30,895 43,263 47,280 Yes No No Postsecondary nondegree aw 47-2161 Plasterers and Stucco Masons 28,913 39,684 45,145 No No No No No No No N						, .						Yes	Yes	Yes Yes
Particle Plasterers and Stucco Masons 28,913 39,684 45,145 No	Ster	ers, and Steamfitters									Postsecondary nondegree award	Yes	Yes	Yes
47-2181											No formal educational credential	Yes	Yes	Yes
47-2211 Sheet Metal Workers 31,301 41,315 46,048 Yes No No High school diploma or equival (47-2221 Structural Iron and Steel Workers 34,650 45,785 47,127 Yes No No High school diploma or equival (47-2213 Solar Photovoltaic Installers 32,911 40,266 43,360 Yes No No No High school diploma or equival (47-3011 Helpers-Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters 20,800 31,171 34,427 No No No No No No No N	r Wc	nd Rebar Workers						Yes			High school diploma or equivalent	Yes	Yes	Yes
47-2221 Structural Iron and Steel Workers 34,650 45,785 47,127 Yes No No High school diploma or equival (47-2231 Solar Photovoltaic Installers 32,911 40,266 43,360 Yes No No No No No No No N											No formal educational credential	Yes	Yes	Yes
47-2031 Solar Photovoltaci Installers 32,911 40,266 43,360 Yes No No High school diploma or equival 47-3011 Helpers-Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters 20,800 31,171 34,427 No No No No No No No N					,	-,					High school diploma or equivalent	Yes	No	No
47-3011 Helpers-Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters 20,800 31,171 34,427 No				. ,	-,							Yes	Yes No	No No
47-3012 HelpersCarpenters 23,522 30,165 32,494 No			nemasons, and Tile and Marble Setter									No	Yes	Yes
47-3014 HelpersPainters, Paperhangers, Plasterers, and Stucco Masons 24,695 29,132 30,503 No No <td></td> <td></td> <td>,</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>No formal educational credential</td> <td>Yes</td> <td>Yes</td> <td>No</td>			,								No formal educational credential	Yes	Yes	No
47-3015 Helpers-Pipelayers, Plumbers, Pipelitters, and Steamfitters 25,285 31,884 33,932 No				25,404	32,228			No	No	No	High school diploma or equivalent	No	No	No
47-3016 Helpers-Roofers 27,678 33,578 35,690 No				24,695	29,132	30,503		No	No	No	No formal educational credential	Yes	No	No
47-3019 Helpers, Construction Trades, All Other 24,197 31,401 35,309 No No No No formal educational creder 47-4011 Construction and Building Inspectors 36,697 55,643 66,981 Yes Yes Yes Postsecondary nondegree aw 47-4021 Elevator and Escalator Installers and Repairers 45,194 78,374 55,427 Yes Yes Yes Pessecondary nondegree aw 47-4031 Fence Erectors 27,489 34,678 36,351 No No No No formal educational creder 47-4031 Hajardous Materials Removal Workers 29,364 38,456 46,876 No High school diploma or equival 47-4051 High school diploma or equival 47-4051 41,748 50,798 57,671 Yes Yes Yes High school diploma or equival	bers,	s, Plumbers, Pipefitters, a	s, and Steamfitters								High school diploma or equivalent	No	No	No
47-4011 Construction and Building Inspectors 36,697 55,643 66,981 Yes Yes Yes Postsecondary nondegree aw 47-4021 Elevator and Escalator Installers and Repairers 45,194 78,374 95,427 Yes Yes Yes Postsecondary nondegree aw 47-4031 Fence Fectors 27,489 34,678 36,511 No		in Trades All Other										Yes	Yes	Yes
47-4021 Elevator and Escalator Installers and Repairers 45,194 78,374 95,427 Yes Yes Yes Postsecondary nondegree aw 47-4031 Fence Erectors 27,489 34,678 36,351 No No <td> ,</td> <td></td> <td></td> <td></td> <td>,</td> <td>,</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>Yes</td> <td>Yes</td> <td>Yes Yes</td>	,				,	,	1					Yes	Yes	Yes Yes
47-4031 Fence Erectors 27,489 34,678 36,351 No			airers	,	,	,						Yes	Yes	Yes
47-4051 Hazardous Materials Removal Workers 29,364 38,456 46,875 No No No High school diploma or equiv 47-4051 Highway Maintenance Workers 27,455 33,596 39,516 No No No No No High school diploma or equiv 47-4051 Rall-Track Laying and Maintenance Equipment Operators 41,748 50,798 57,671 Yes Yes Yes High school diploma or equiv											No formal educational credential	Yes	Yes	Yes
47-4051 Highway Maintenance Workers 27,455 33,596 39,516 No No No No High school diploma or equivarent of the properties of	oval	als Removal Workers			38,456	46,876			No	No	High school diploma or equivalent	Yes	No	No
				,		,.					High school diploma or equivalent	No	No	No
1 4/-41/1 Nentic lank Servicers and Sewer Pine Lieaners 22 020 41 422 45 116 No.											High school diploma or equivalent	Yes	Yes	Yes
				23,029	41,423	45,116	-	No	No	No No	High school diploma or equivalent	No Yes	No No	No No
			AAOLVG12				-				High school diploma or equivalent No formal educational credential	Yes	No Yes	No Yes
				,	,	,					No formal educational credential	Yes	Yes	Yes
						. , .					No formal educational credential	Yes	Yes	Yes
47-5022 Excavating and Loading Machine and Dragline Operators, Surface Mining 30,462 41,519 44,784 No No No No High school diploma or equiv.			gline Operators, Surface Mining								High school diploma or equivalent	Yes	No	No
											High school diploma or equivalent	Yes	Yes	No
			Experts, and Blasters								High school diploma or equivalent	Yes	Yes	Yes
47-5041 Continuous Mining Machine Operators 24,098 31,872 35,988 No No No No No offormal educational creder	ne O	Machine Operators		24,098	31,872	35,988		No	No	No	No formal educational credential	Yes	Yes	Yes

Wages - Workforce Re May 2022	· · ·	Annual W	Vages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All O	ccupation Metric		Wage Me	ets or Exceeds Educa	tional Level Metric
,			Average Annual	High-Level Wage	Representative	Average Annua			Representativ		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
									ļ. ļ		
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	33,208	37,599	41,693	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5049 47-5051	Underground Mining Machine Operators, All Other	33,208 34.180	37,599 62,007	41,693 82,709	Yes	No	No Yes	No formal educational credential No formal educational credential	Yes Yes	Yes	Yes Yes
47-5051	Rock Splitters, Quarry Roustabouts, Oil and Gas	34,180	45.824	56,634	Yes Yes	Yes No	Yes	No formal educational credential	Yes	Yes	Yes
47-5071	HelpersExtraction Workers	27,224	32,532	35,690	No	No	No	High school diploma or equivalent	No	No	No
47-5099	Extraction Workers, All Other	25,751	41.526	40.590	No	No	No	High school diploma or equivalent	No No	No	No
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	38,297	64,644	77,339	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	27,597	38,240	42,140	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	35,366	54,392	66,638	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	31,586	54,332	66,595	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	35,542	63,433	72,696	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	31,317	39,392	44,916	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	40,847	51,085	70,412	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	39,379	44,227	44,680	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	40,060	78,318	102,594	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096 49-2097	Electronic Equipment Installers and Repairers, Motor Vehicles	27,100	41,970	44,307	No	No	No	Postsecondary nondegree award	No	Yes	No
49-2097	Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers	35,394 33,680	43,647 46,120	46,834 55,019	Yes	No No	No Yes	Postsecondary nondegree award	Yes Yes	Yes Yes	Yes Yes
49-3011	Aircraft Mechanics and Service Technicians	33,080	53.530	62.320	Yes Yes	Yes	Yes	Postsecondary nondegree award	No No	Yes	Yes
49-3021	Automotive Body and Related Repairers	31,100	46,588	48,525	Yes	No	No	Associate's degree Postsecondary nondegree award	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers Automotive Glass Installers and Repairers	33,228	40,588	48,525 45.691	Yes	No	No No	High school diploma or equivalent	Yes	Yes	No Yes
49-3023	Automotive Glass Installers and Repairers Automotive Service Technicians and Mechanics	27,568	43,373	51,701	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3023	Bus and Truck Mechanics and Diesel Engine Specialists	37,023	50,952	58.111	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	31,200	44.690	50,366	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	35,181	51,713	59,290	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	34,690	49,807	55,383	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	29,085	46,120	55,514	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3052	Motorcycle Mechanics	31,463	38,425	39,926	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	27,500	37,790	44,415	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	21,731	33,875	40,461	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	30,826	48,969	60,845	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	26,529	32,952	34,317	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	28,901	42,647	50,354	No	No	No	High school diploma or equivalent	Yes	No	Yes
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	28,236	47,765	60,490	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	30,956	44,046	49,143	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	21,938	37,918	47,747	No	No	No	Postsecondary nondegree award	No	No	Yes
49-9041	Industrial Machinery Mechanics	35,144	45,298	47,194	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	30,781	50,150	54,439	No	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
49-9044	Millwrights	34,972	55,569	64,367	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045 49-9051	Refractory Materials Repairers, Except Brickmasons	24,232	32,115	35,311	No	No	No	High school diploma or equivalent	No	No	No
49-9052	Electrical Power-Line Installers and Repairers Telecommunications Line Installers and Repairers	31,200 31,234	62,478 46,780	91,695 57,614	Yes	Yes No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	37,284	49,548	55,272	Yes Yes	Yes	Yes Yes	Postsecondary nondegree award Associate's degree	Yes Yes	Yes	Yes No
49-9062	Medical Equipment Repairers	31,865	43,015	47,162	Yes	No	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	26,427	38,905	47,732	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	22,944	27,298	26,631	No	No	No	High school diploma or equivalent	No	No	No
49-9069	Precision Instrument and Equipment Repairers, All Other	37.580	53,457	61,173	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	24.156	37.489	44.352	No	No	No	High school diploma or equivalent	No.	No	No
49-9081	Wind Turbine Service Technicians	44,740	63,100	73,150	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	25,381	37,376	44,907	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	36,635	49,344	52,855	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	20,800	36,450	43,348	No	No	No	High school diploma or equivalent	No	No	No
49-9095	Manufactured Building and Mobile Home Installers	21,858	36,599	40,912	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	30,837	47,936	55,661	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	43,786	58,672	66,249	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	HelpersInstallation, Maintenance, and Repair Workers	25,602	31,155	34,661	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	28,307	36,536	41,479	No	No	No	High school diploma or equivalent	Yes	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	36,873	57,554	68,848	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	30,633	43,601	51,734	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	30,790	42,165	44,926	No	No	No	High school diploma or equivalent	Yes	No	No
	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders,										
51-2028	Tapers, and Finishers	27,203	36,128	40,142	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	31,189	40,266	44,703	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-2041	Structural Metal Fabricators and Fitters	28,512	39,847	44,990	No	No	No	High school diploma or equivalent	Yes	No	No
51-2051	Fiberglass Laminators and Fabricators	36,242	36,228	36,242	Yes	No	No No	High school diploma or equivalent	Yes	No.	No No
51-2061 51-2090	Timing Device Assemblers and Adjusters Missellaneous Assemblers and Enhistators	23,148	31,587	36,052	No No	No	No No	High school diploma or equivalent	No No	No No	No
51-2090	Miscellaneous Assemblers and Fabricators Bakers	27,424	34,962 30,979	37,977 36,221	No No	No	No No	High school diploma or equivalent	No No	No No	No No
51-3011	Butchers and Meat Cutters	22,623 27,495	30,979 37,022	36,221 42,643	No No	No No	No No	High school diploma or equivalent No formal educational credential	No Yes	No Yes	No Yes
51-3021		27,495	37,022 31.905	42,643 37.901	No No	No No	No No	No formal educational credential No formal educational credential	Yes Yes		
51-3022	Meat, Poultry, and Fish Cutters and Trimmers Slaughterers and Meat Packers	23,016	25,927	26,909	No No	No No	No No	No formal educational credential No formal educational credential	Yes	Yes No	Yes No
51-3023	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	23,056	34,319	33.699	No.	No	No.	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	24,960	34,991	37,256	No	No	No	High school diploma or equivalent	No No	No	No No
51-3092	Food Cooking Machine Operators and Tenders	24,960	26,955	26,503	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	25,149	32,226	35,279	No	No	No	No formal educational credential	Yes	Yes	Yes
			Ja, 220	33,273					1		
51-3099	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and										

Wages - Workforce Ro May 2022	₀	Annual W	/ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All Oc	cupation Metric		Wage Meet	s or Exceeds Educa	tional Level Metric
nay zozz	'		Average Annual	High-Level Wage	Representative	Average Annual			Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	28,113	37,135	42,415	No	No	No	High school diploma or equivalent	Yes	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	28,419	38,840	41,952	No	No	No	High school diploma or equivalent	Yes	No	No
F1 4024	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20.267	26.262	27.022	No.	N-	N-	Ulab asked distance as envisables	V	N-	N-
51-4031	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and	29,267	36,362	37,923	No	No	No	High school diploma or equivalent	Yes	No	No
51-4032	Plastic	27,937	52,132	77,448	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
31-4032	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and	27,937	52,132	77,448	NO	res	res	High school diploma or equivalent	NO	res	res
51-4033	Tenders, Metal and Plastic	27,351	38,972	47,466	No	No	No	High school diploma or equivalent	No	No	No
	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and	27,551	30,372	47,400	110	110		riigii serioor dipionid or equivalent	1	110	110
51-4034	Plastic	25,881	36,070	44,314	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	29,216	39,062	42,777	No	No	No	Postsecondary nondegree award	Yes	No	No
51-4041	Machinists	32,057	44,240	48,497	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	36,274	46,250	47,112	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-4052	Pourers and Casters, Metal	27,650	43,230	52,429	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-4061	Model Makers, Metal and Plastic	30,623	48,232	56,134	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	25,019	46,806	72,326	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-4071	Foundry Mold and Coremakers	21,564	37,247	50,928	No	No	No	High school diploma or equivalent	No	No	Yes
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	26,405	34,690	38,450	No	No	No	High cabact distance as a subset of	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	30,925	34,690	34.888	Yes	No.	No No	High school diploma or equivalent High school diploma or equivalent	Yes	No	No No
51-4111	Tool and Die Makers	28,282	43,454	51,361	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	30.869	41.626	48.509	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	32,274	34.788	38.661	Yes	No	No	Postsecondary nondegree award	Yes	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	23,120	37,775	43,907	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	31.457	44.259	48,770	Yes	No	No No	High school diploma or equivalent	Yes	Yes	No No
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	27,872	37,293	41,563	No No	No	No		No No	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	27,872	37,293	36.033	No	No	No No	High school diploma or equivalent High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	27,263	37,802	43,734	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	31.595	44.443	45,376	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
51-5112	Printing Press Operators	24.254	36,686	40.865	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	30,735	39,280	40,865	No No	No	No No		Yes	No	No No
51-6011	Laundry and Dry-Cleaning Workers	20.984	24,422	26.309	No	No	No	High school diploma or equivalent No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	22,083	26,529	27,326	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	22,709	31,396	34,264	No	No	No	No formal educational credential	No No	Yes	Yes
51-6041						No	No		Yes		
51-6042	Shoe and Leather Workers and Repairers Shoe Machine Operators and Tenders	31,702	35,324	42,244	Yes	NU	NU	High school diploma or equivalent	162	No	No
51-6051	Sewers, Hand	20,425	27,604	28,141	No	No	No	No formal educational credential	No	No	No
51-6052	Tailors, Dressmakers, and Custom Sewers	26,423	32,772	34.449	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	21,379	25,603	26,168	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	30.674	33.154	34.905	No	No	No	High school diploma or equivalent	Yes	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	25,566	29,401	32,013	No	No	No	High school diploma or equivalent	No	No	No
31-0003	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and	25,500	23,401	32,013	INO	140	140	Tilgit school diplotta of equivalent	140	NO	NO
51-6064	Tenders	21,555	31,114	35,366	No	No	No	High school diploma or equivalent	No	No	No
31 0004	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and	21,333	31,114	33,300	INO	140	140	riigii scriooi dipionia oi equivalent	140	NO	140
51-6091	Glass Fibers	31,300	54,531	77.559	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	25,019	46,806	72,326	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6093	Upholsterers	29,373	32,497	34,928	No.	No	No	High school diploma or equivalent	Yes	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	25,344	31,652	35,301	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	28.056	37,381	42.141	No	No	No	High school diploma or equivalent	Yes	No	No
51-7021	Furniture Finishers	28,493	42,397	49,835	No	No	No	High school diploma or equivalent	Yes	No	Yes
51-7031	Model Makers, Wood	20,433	42,557	45,033		110	110	riigii serioor dipiorid or equivalent	163	110	163
51-7032	Patternmakers, Wood										
51-7032	Sawing Machine Setters, Operators, and Tenders, Wood	25.846	33.831	34,579	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	24.888	31.066	32.801	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	25,510	30,207	30,531	No	No	No	High school diploma or equivalent	No	No	No
51-8011	Nuclear Power Reactor Operators	44.972	70.955	89.833	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	49,715	82,218	96,076	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	47,392	66.154	77.830	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	44,685	58,357	63,100	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	29.842	42.619	47.302	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	38.756	57,412	62,155	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-8092	Gas Plant Operators	32,022	48.279	58.375	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	44.907	58.283	73.437	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	37,367	53,642	60.135	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	26,807	34,330	39,840	No	No	No	High school diploma or equivalent	No	No	No
	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,	,	,0	,-10			-	J	1 1		
	Operators, and Tenders	26,214	39,609	45,991	No	No	No	High school diploma or equivalent	No	No	No
51-9012		26,112	38,460	43,545	No	No	No	High school diploma or equivalent	No	No	No
51-9012 51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators. and Tenders		31.012	35.617	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders Grinding and Polishing Workers, Hand	25.075	,	, .	No	No	No	High school diploma or equivalent	Yes	No	No
51-9021 51-9022	Grinding and Polishing Workers, Hand	-,	37.784					United the second of equivalent			
51-9021	Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders	25,075 29,765 20,332	37,784 33,032	43,110 37.108	No	No	No	No formal educational credential	No	Yes	Yes
51-9021 51-9022 51-9023 51-9031	Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand	29,765 20,332	33,032	37,108	No			No formal educational credential High school diploma or equivalent		Yes No	Yes No
51-9021 51-9022 51-9023	Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Slicing Machine Setters, Operators, and Tenders	29,765				No No	No No	No formal educational credential High school diploma or equivalent	No No	Yes No	Yes No
51-9021 51-9022 51-9023 51-9031 51-9032	Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and	29,765 20,332 24,654	33,032 38,226	37,108 48,434	No No	No	No	High school diploma or equivalent	No	No	No
51-9021 51-9022 51-9023 51-9031	Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	29,765 20,332 24,654 25,677	33,032 38,226 35,403	37,108 48,434 41,850	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No No	No No	No No
51-9021 51-9022 51-9023 51-9031 51-9032 51-9041 51-9051	Grinding and Polishing Workers, Hand Mixing and Biending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	29,765 20,332 24,654 25,677 28,410	33,032 38,226 35,403 36,385	37,108 48,434 41,850 40,841	No No No	No No No	No No	High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent	No No Yes	No No	No No No
51-9021 51-9022 51-9023 51-9031 51-9032	Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	29,765 20,332 24,654 25,677	33,032 38,226 35,403	37,108 48,434 41,850	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No No	No No	No No

Wages - Workforce Region 10

May 2022		Annual W	ages (\$) by Occupa	tion	Wage Mee	ts or Exceeds All Occu	pation Metric		Wage Meets	or Exceeds Education	nal Level Metric
		Representative Average Annual High-Level Wage		Representative Average Annual High-Level Wage			Representative	Average Annual	High-Level Wage		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-9082	Medical Appliance Technicians	26,298	37,339	46,213	No	No	No	Postsecondary nondegree award	No	No	No
51-9083	Ophthalmic Laboratory Technicians	26,353	31,855	33,421	No	No	No	High school diploma or equivalent	No No	No	No
51-9111 51-9123	Packaging and Filling Machine Operators and Tenders	24,426 28.499	35,796 40.883	42,006	No No	No No	No No	High school diploma or equivalent	No	No	No No
51-9124	Painting, Coating, and Decorating Workers	.,	-,	47,614				High school diploma or equivalent	Yes	No	
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	24,258	39,650	46,110	No	No	No No	High school diploma or equivalent	No Vos	No	No
51-9151	Semiconductor Processing Technicians Photographic Process Workers and Processing Machine Operators	35,274 21,685	44,388 32,791	47,075 35,311	Yes No	No No	No No	High school diploma or equivalent	Yes No	Yes No	No No
51-9161	Computer Numerically Controlled Tool Operators	31,874	41,548	45,933	Yes	No	No	High school diploma or equivalent Postsecondary nondegree award	Yes	Yes	No
51-9162	Computer Numerically Controlled Tool Programmers	32,430	51,248	56,638	Yes	Yes	Yes	Associate's degree	No.	No	No
51-9191	Adhesive Bonding Machine Operators and Tenders	21,555	31,114	35,366	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	24,139	33,402	43,786	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	25,575	42,387	45,148	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	27,076	32,291	35,588	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	28,365	36,026	37,702	No	No	No	High school diploma or equivalent	Yes	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	27,029	41,202	48,538	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	26,900	34,810	37,617	No	No	No	High school diploma or equivalent	No	No	No
51-9198	HelpersProduction Workers	22,877	33,283	35,625	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	22,930	33,925	37,571	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	35,070	52,882	57,690	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
	First-Line Supervisors of Transportation and Material Moving Workers, Except										
53-1047	Aircraft Cargo Handling Supervisors	34,840	51,917	62,089	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	100,902	250,768	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	50,163	106,369	126,871	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	74,067	117,047	145,661	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	74,067	117,047	145,661	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	32,615	64,174	73,280	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	26,946	31,462	32,553	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	20,800	34,607	39,604	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	30,596	45,954	51,781	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	20,866	41,263	49,649	No	No	No	High school diploma or equivalent	No	No	Yes
53-3051	Bus Drivers, School	29,078	35,032	37,891	No	No	No	High school diploma or equivalent	Yes	No	No
53-3052 53-3053	Bus Drivers, Transit and Intercity Shuttle Drivers and Chauffeurs	26,693 22,937	30,525 30,981	30,930 30,236	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
53-3054	Taxi Drivers	19.332	29,354	30,236 29,586	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
53-3054	Motor Vehicle Operators, All Other	21,842	27,605	30,255	No	No	No	No formal educational credential	No	No	No
53-4011	Locomotive Engineers	52,419	63.674	68.787	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	29.827	50.002	48.168	No.	Yes	No.	High school diploma or equivalent High school diploma or equivalent	Yes	Yes	No.
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	36.246	54.809	57.329	Yes	Yes	Yes		Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	58,700	66,258	68,833	Yes	Yes	Yes	High school diploma or equivalent High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	27,066	38,682	48,584	No.	No	No	High school diploma or equivalent	No.	No	No
53-4099	Rail Transportation Workers, All Other	38,219	38,858	38,228	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-5011	Sailors and Marine Oilers	26.974	42.184	46.537	No	No	No	High school diploma or equivalent	No.	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	26.810	58,516	77.340	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	26,390	42,082	49,316	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	67,222	91,046	101,328	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	22,305	29,679	33,699	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	20,800	25,787	26,604	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	22,443	30,721	35,596	No	No	No	No formal educational credential	No	Yes	Yes
53-6032	Aircraft Service Attendants	27,604	34,245	34,607	No	No	No	High school diploma or equivalent	No	No	No
53-6041	Traffic Technicians	28,382	44,046	50,511	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	37,237	79,208	99,929	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	19,712	30,188	35,283	No	No	No	High school diploma or equivalent	No	No	No
53-6099	Transportation Workers, All Other	19,267	28,474	30,170	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	27,363	32,078	33,171	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7021	Crane and Tower Operators	32,915	53,361	68,140	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	33,078	43,842	45,657	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
53-7041	Hoist and Winch Operators	29,882	46,824	47,982	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	30,805	37,012	38,422	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	21,863	28,797	31,000	No	No	No	No formal educational credential	No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	25,201	32,374	35,120	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	32,621	33,395	32,621	Yes	No	No	No formal educational credential	Yes	Yes	No
53-7064	Packers and Packagers, Hand	21,918	25,108	24,857	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	24,659	31,745	34,447	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	28,437	33,921	31,513	No	No	No	High school diploma or equivalent	Yes	No	No
53-7072	Pump Operators, Except Wellhead Pumpers	30,401	42,758	48,001	No	No	No	High school diploma or equivalent	Yes	No	No
53-7073	Wellhead Pumpers	28,437	33,921	31,513	No	No	No	High school diploma or equivalent	Yes	No	No
53-7081	Refuse and Recyclable Material Collectors	25,710	40,261	47,247	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	40,164	55,976	56,838	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
53-7199	Material Moving Workers, All Other	26,149	35,199	36,848	No	No	No	No formal educational credential	Yes	Yes	Yes

 $[\]ensuremath{^{*}}$ indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

Summary - Workforce Region 10

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	30,810	48,284	54,686	819
No formal educational credential	22,721	29,985	32,737	83
High school diploma or equivalent	27,992	42,791	49,030	234
Some college, no degree	26,059	38,050	42,197	49
Postsecondary nondegree award	29,159	41,358	46,801	89
Associate's degree	36,348	51,586	56,893	68
Bachelor's degree	43,602	76,439	88,949	182
Master's degree	47,155	77,021	89,019	41
Doctoral or professional degree	65,553	144,861	149,287	73

	Representative	Starting Wage	Average Ar	nual Wage	High-Level Wage Threshold		
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	
All Occupations	467	352	453	366	458	361	
No formal educational credential	45.78%	54.22%	31.33%	68.67%	34.94%	65.06%	
High school diploma or equivalent	58.12%	41.88%	75.64%	24.36%	79.91%	20.09%	
Some college, no degree	28.57%	71.43%	24.49%	75.51%	22.45%	77.55%	
Postsecondary nondegree award	41.57%	58.43%	28.09%	71.91%	31.46%	68.54%	
Associate's degree	64.71%	35.29%	44.12%	55.88%	39.71%	60.29%	
Bachelor's degree	60.99%	39.01%	59.89%	40.11%	58.79%	41.21%	
Master's degree	70.73%	29.27%	60.98%	39.02%	56.10%	43.90%	
Doctoral or professional degree	79.45%	20.55%	67.12%	32.88%	63.01%	36.99%	

Nages - Workforce Re Nay 2022	egion 11	Δnnual W	ages (\$) by Occupat	tion	Wage Meet	ts or Evenade All (Occupation Metric	T		Waga Maats	or Exceeds Education	aal Level Metric
idy 2022			Average Annual	High-Level Wage	Representative	Average Annu			1 1	Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
11-1011	Chief Executives	72,326	247,885	*	Yes	Yes	Yes*	Bachelor's degree		Yes	Yes	Yes*
11-1021	General and Operations Managers	36,829	94,059	113,984	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-1031 11-2011	Legislators	20,800 51,240	66,452 110.602	93,464 133.512	No	Yes	Yes	Bachelor's degree		No	No Yes	Yes
11-2011	Advertising and Promotions Managers Marketing Managers	62.064	133.644	169,177	Yes	Yes	Yes	Bachelor's degree	1	Yes		Yes
11-2021	Sales Managers	56,391	133,644	169,177	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	1 1	Yes	Yes	Yes
11-2022	Public Relations Managers	53,575	93,498	111,174	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
11-2033	Fundraising Managers	62.806	119.313	145.270	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3012	Administrative Services Managers	45,120	89,433	101,953	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3013	Facilities Managers	36,711	78,911	97,582	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-3021	Computer and Information Systems Managers	75,328	127,726	148,949	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3031	Financial Managers	63,553	133,974	161,260	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3051	Industrial Production Managers	50,572	106,963	127,720	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3061	Purchasing Managers	65,056	120,006	144,290	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	49,217	109,103	127,760	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	70,532	117,586	147,267	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3121	Human Resources Managers	75,208	122,629	142,075	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3131	Training and Development Managers	62,358	111,314	123,802	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	23,315	85,677	119,698	No	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-9021	Construction Managers	50,565	101,769	121,162	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	29,776	47,699	48,684	No	No	No	Bachelor's degree	1 1	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	51,076	82,322	98,089	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	48,682	103,282	129,216	Yes	Yes	Yes	Master's degree		No	Yes	Yes
11-9039 11-9041	Education Administrators, All Other	29,526	64,996	74,177	No	Yes	Yes	Master's degree	1 1	No	No	No
11-9041 11-9051	Architectural and Engineering Managers Food Service Managers	97,906	134,942	154,964	Yes	Yes	Yes	Bachelor's degree	+	Yes	Yes	Yes
11-9051 11-9071	Food Service Managers Gambling Managers	34,485 59.516	62,317 114.248	74,151 115.454	Yes Yes	Yes	Yes Yes	Some college, no degree Some college, no degree		Yes Yes	Yes	Yes
11-9071		59,516 41.995	71.877	115,454 85.891	Yes	Yes	Yes	Bachelor's degree	-	No Yes	Yes No	Yes No
11-9072	Entertainment and Recreation Managers, Except Gambling Lodging Managers	34,288	68,737	82,448	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	-	No	No	No
11-9111	Medical and Health Services Managers	57,152	108,234	120,920	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
11-9121	Natural Sciences Managers	57,152	75.268	75.421	Yes	Yes	Yes			Yes	No.	No.
11-9131	Postmasters and Mail Superintendents	83,096	95,989	105,248	Yes	Yes	Yes	Bachelor's degree High school diploma or equivalent		Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	29.052	55,939	61.290	No.	Yes	Yes	Bachelor's degree		No	No.	No.
11-9151	Social and Community Service Managers	37,222	72,984	92,543	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
11-9161	Emergency Management Directors	45,324	93.808	118.456	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9171	Funeral Home Managers	46,418	70,256	77,580	Yes	Yes	Yes	Associate's degree	1 1	Yes	Yes	Yes
11-9179	Personal Service Managers, All Other	46,253	75,596	91,001	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
11-9199	Managers, All Other	49.080	104.890	130.142	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	28,929	92,795	151,183	No	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-1020	Buyers and Purchasing Agents	33,780	59,179	71,663	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	48,688	69,429	81,478	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	47,710	66,356	75,857	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
13-1041	Compliance Officers	32,086	57,830	71,336	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1051	Cost Estimators	27,367	58,114	72,825	No	Yes	Yes	Bachelor's degree		No	No	No
13-1071	Human Resources Specialists	32,580	55,494	69,691	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1074	Farm Labor Contractors	23,315	85,677	119,698	No	Yes	Yes	No formal educational credential		Yes	Yes	Yes
13-1075	Labor Relations Specialists	39,539	75,249	96,326	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
13-1081	Logisticians	39,997	64,845	76,384	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1082	Project Management Specialists	49,694	88,248	102,812	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1111	Management Analysts	35,310	85,121	110,094	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	27,539	51,583	62,756	No	Yes	Yes	Bachelor's degree		No	No	No
13-1131	Fundraisers	32,355	53,259	61,485	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	37,564	72,060	102,406	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	Yes
13-1151	Training and Development Specialists	31,323	61,642	73,972	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
13-1161 13-1199	Market Research Analysts and Marketing Specialists Business Operations Specialists. All Other	30,164	62,868	77,139	No	Yes	Yes	Bachelor's degree		No	No	No
		30,871	62,784	74,728	Yes	Yes	Yes	Bachelor's degree	+	No	No	No
13-2011 13-2020	Accountants and Auditors Property Appraisers and Assessors	40,118	75,955 64.448	92,519 70.601	Yes	Yes	Yes	Bachelor's degree	1 1	No No	No No	Yes
13-2020	Budget Analysts	39,757 46,771	64,448	70,601 79,292	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	+	No Yes	No No	No No
13-2031	Credit Analysts	46,771	77.086	79,292 78,210	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	1 1	No	No No	No No
13-2051	Financial and Investment Analysts	41,699	77,086	78,210 87,268	Yes	Yes	Yes		1 1	Yes	No No	No No
13-2051	Personal Financial Advisors	49,266 35,258	95,665	87,268 88,847	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	+	No Yes	Yes	No No
13-2053	Insurance Underwriters	40.467	58.577	55,565	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	1 1	No No	No.	No No
13-2054	Financial Risk Specialists	40,467	94.003	116,704	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	1 1	Yes	Yes	Yes
13-2061	Financial Examiners	43,089	75.751	92.863	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	No	Yes
13-2001	Credit Counselors	32,893	47,420	47,729	Yes	No	No	Bachelor's degree		No	No	No
13-2072	Loan Officers	30,791	63,103	75,253	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	29,536	46,743	54,725	No	No	No	Bachelor's degree	1 1	No	No	No
13-2082	Tax Preparers	20,800	42,820	66,483	No	No	Yes	Postsecondary nondegree award	1 1	No	Yes	Yes
13-2099	Financial Specialists, All Other	32,458	56,869	68,424	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
15-1211	Computer Systems Analysts	47,382	82,489	99,081	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1212	Information Security Analysts	49,999	100,982	131,178	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	76,378	127,251	171,112	Yes	Yes	Yes	Master's degree	1 1	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	39,168	70,076	82,660	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1232	Computer User Support Specialists	30,699	49,942	58,542	No	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
15-1241	Computer Network Architects	57,202	99,992	129,410	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
15-1242	Database Administrators	33,738	70,198	89,325	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
15-1243	Database Architects	35,609	113,536	161,694	Yes	Yes	Yes	Bachelor's degree	1 1	No	Yes	Yes
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May 2022 Occupational Code 15-1244 15-1251 15-1252 15-1253 15-1254 15-1255 15-1299 15-2011 15-2021 15-2031 15-2041 15-2051 15-2099 17-1011 17-1021 17-1021 17-1021 17-1021 17-1021 17-2031 17-2041 17-2051 17-2061 17-2071 17-2081 17-2081 17-2081 17-2081 17-2081 17-2081 17-2081 17-2081 17-2091 17-3011 17-3022 17-3023 17-3024 17-3025 17-3026 17-3029 17-3021 17-3029 17-3021 17-3029 19-1021	Network and Computer Systems Administrators Computer Programmers Software Developers Software Developers Web Developers Web and Digital Interface Designers Computer Occupations, All Other Actuaries Mathematicians Operations Research Analysts Statisticians Data Scientists Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects Cartographers and Photogrammetrists Surveyors Aerospace Engineers Agricultural Engineers Bioengineers and Biomedical Engineers Civil Engineers Civil Engineers Electrical Engineers Electrical Engineers Electronics Engineers, Except Computer Environmental Engineers Electronics Engineers, Except Computer Environmental Engineers	Representative Starting Wage (\$) 46,384 46,540 60,278 43,980 32,297 45,859 35,361 68,478 38,584 35,610 39,279 48,679 48,679 46,133 44,658 42,684 34,158 50,267 57,365 64,995 34,562 64,542 38,178	Vages (5) by Occupat Average Annual Wage (5) 78,564 83,262 107,609 84,395 77,900 97,138 71,404 120,904 91,686 62,345 94,850 95,401 69,774 66,394 59,008 100,644 95,303 105,268	High-Level Wage Threshold (5) 92,173 99,919 129,835 104,320 99,190 88,254 85,709 130,328 126,084 75,918 97,937 108,372 97,745 78,085 74,543 122,678	Wage Meet Representative Starting Wage Yes Yes Yes Yes Yes Yes Yes Yes Yes Y	Average Annu Wage Yes Yes Yes Yes Yes Yes Yes Yes Yes Y	Threshold Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	Educational Requirement Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree Associate's degree Associate's degree Bachelor's degree Bachelor's degree Bachelor's degree Master's degree Bachelor's degree Bachelor's degree		Representative Starting Wage Yes Yes Yes Yes No Yes No Yes No Yes	or Exceeds Education Average Annual Wage Yes Yes Yes Yes Yes Yes Yes Yes Yes Y	High-Level Wage Threshold Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
15-1244 15-1251 15-1252 15-1253 15-1254 15-1255 15-1259 15-2021 15-2031 15-2041 15-2051 15-2061 15-2061 17-1012 17-1012 17-1021 17-1021 17-1021 17-2021 17-2021 17-2051 17-2061 17-2071 17-2081 17-2081 17-2081 17-2081 17-2081 17-2091 17-3011 17-2092 17-3023 17-3024 17-3025 17-3026 17-3029	Network and Computer Systems Administrators Computer Programmers Software Developers Software Developers Web Developers Web and Digital Interface Designers Computer Occupations, All Other Actuaries Mathematicians Operations Research Analysts Statisticians Data Scientists Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects Cartographers and Photogrammetrists Surveyors Aerospace Engineers Agricultural Engineers Bioengineers and Biomedical Engineers Civil Engineers Civil Engineers Electrical Engineers Electrical Engineers Electronics Engineers, Except Computer Environmental Engineers Electronics Engineers, Except Computer Environmental Engineers	\$\text{Starting Wage (\$)}\$ 46,384 46,540 60,278 43,980 32,297 45,859 35,361 68,478 38,584 35,610 39,279 48,679 46,133 44,658 42,684 34,158 50,267 57,365 64,995 34,562 64,542 38,178	78,564 83,262 107,609 84,395 77,900 97,138 71,404 120,904 91,686 62,345 80,854 94,850 95,401 69,774 66,394 59,008 100,644	92,173 99,919 129,835 104,320 99,190 88,254 85,709 130,328 126,084 75,918 97,937 108,372 97,745 78,107 78,085 74,543	Yes	Yes	Threshold Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree Associate's degree Associate's degree Bachelor's degree Bachelor's degree Master's degree		Yes Yes Yes Yes No Yes No Yes	Yes Yes Yes Yes Yes Yes No Yes	Threshold Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
15-1251 15-1252 15-1253 15-1253 15-1254 15-1255 15-1299 15-2011 15-2021 15-2031 15-2041 15-2051 15-2061 15-2061 17-2071 17-1021 17-1021 17-1021 17-1021 17-2011 17-2021 17-2051 17-2061 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-3081 17-3072 17-3082 17-3029	Computer Programmers Software Developers Software Cuality Assurance Analysts and Testers Web Developers Web and Digital Interface Designers Computer Occupations, All Other Actuaries Mathematicians Operations Research Analysts Statisticians Data Scientists Mathematical Science Occupations, All Other Architectis, Except Landscape and Naval Landscape Architects Cartographers and Photogrammetrists Surveyors Aerospace Engineers Agricultural Engineers Bioengineers and Biomedical Engineers Civil Engineers Civil Engineers Civil Engineers Electrical Engineers Electrical Engineers Electronics Engineers, Except Computer Environmental Engineers	46,540 60,278 43,980 32,297 45,859 35,361 68,478 38,584 35,610 39,279 48,679 46,133 44,658 42,684 34,158 50,267 57,365 64,995 34,562 64,542 38,178	83,262 107,609 84,395 77,900 97,138 71,404 120,904 91,686 62,345 80,854 94,850 95,401 66,394 66,394 95,008 100,644	99,919 129,835 104,320 99,190 88,254 85,709 130,328 126,084 75,918 97,937 108,372 97,745 78,107 78,085 74,543	Yes	Yes	Yes	Bachelor's degree Bachelor's degree Bachelor's degree Associate's degree Associate's degree Bachelor's degree Bachelor's degree Master's degree		Yes Yes Yes No Yes No Yes No Yes	Yes Yes Yes Yes Yes Yes No Yes	Yes Yes Yes Yes Yes Yes Yes Yes No Yes
15-1251 15-1252 15-1253 15-1253 15-1254 15-1253 15-1254 15-1253 15-1255 15-1299 15-1251 15-1255 15-1299 15-1201 15-2021 15-2021 15-2021 15-2031 15-2051 15-2061 15-2061 17-1001 17-1002 17-1001 17-1002 17-1001 17-2021 17-2021 17-2031 17-2061 17-2071 17-2081 17-2081 17-2081 17-2071 17-2081 17-2081 17-2081 17-2091 17-2091 17-2091 17-2091 17-2091 17-2091 17-2091 17-2091 17-2091 17-2091 17-2091 17-3001 17-3002 17-3003 17-3002 17-3003 17-3002 17-3003 17-3002 17-3002 17-3002 17-3003 17-3002 17-3003 17-3002 17-3003 17-3002 17-3003 17-3003 17-3003 17-3004 17-3009 17-3001 17-3021 17-3029 17-3029 17-3029 17-3029 17-3029 17-3029 17-3029 17-3031 19-1001 19-1001	Computer Programmers Software Developers Software Cuality Assurance Analysts and Testers Web Developers Web and Digital Interface Designers Computer Occupations, All Other Actuaries Mathematicians Operations Research Analysts Statisticians Data Scientists Mathematical Science Occupations, All Other Architectis, Except Landscape and Naval Landscape Architects Cartographers and Photogrammetrists Surveyors Aerospace Engineers Agricultural Engineers Bioengineers and Biomedical Engineers Civil Engineers Civil Engineers Civil Engineers Electrical Engineers Electrical Engineers Electronics Engineers, Except Computer Environmental Engineers	46,540 60,278 43,980 32,297 45,859 35,361 68,478 38,584 35,610 39,279 48,679 46,133 44,658 42,684 34,158 50,267 57,365 64,995 34,562 64,542 38,178	83,262 107,609 84,395 77,900 97,138 71,404 120,904 91,686 62,345 80,854 94,850 95,401 66,394 66,394 95,008 100,644	99,919 129,835 104,320 99,190 88,254 85,709 130,328 126,084 75,918 97,937 108,372 97,745 78,107 78,085 74,543	Yes	Yes	Yes	Bachelor's degree Bachelor's degree Bachelor's degree Associate's degree Associate's degree Bachelor's degree Bachelor's degree Master's degree		Yes Yes Yes No Yes No Yes No Yes	Yes Yes Yes Yes Yes Yes No Yes	Yes Yes Yes Yes Yes Yes Yes Yes No Yes
15-1252 15-1253 15-1253 15-1254 15-1255 15-1254 15-1255 15-2021 15-2021 15-2021 15-2021 15-2021 15-2031 15-2041 15-2051 15-2099 17-1011 17-1012 17-1012 17-1012 17-1021 17-2031 17-2041 17-2051 17-2061 17-2061 17-2061 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2071 17-2072 17-2081 17-2071 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-3003 17-3002 17-3003 17-3002 17-3003 17-3026 17-3029	Software Developers Software Cuality Assurance Analysts and Testers Web Developers Web and Digital interface Designers Computer Occupations, All Other Actuaries Mathematicians Operations Research Analysts Statisticians Data Scientists Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects Cartographers and Photogrammetrists Surveyors Aerospace Engineers Aerospace Engineers Bioengineers and Biomedical Engineers Civil Engineers Civil Engineers Civil Engineers Electrical Engineers Electrical Engineers Electronics Engineers, Except Computer Environmental Engineers	60,278 43,980 32,297 45,859 35,361 68,478 38,584 35,610 39,279 48,679 46,133 44,658 42,684 34,158 50,267 57,365 64,995 34,562 64,542 38,178	107,609 84,395 77,900 97,138 71,404 120,904 91,686 62,345 80,854 94,850 95,401 69,774 66,394 59,008 100,644	129,835 104,320 99,190 88,254 85,709 130,328 126,084 75,918 97,937 108,372 97,745 78,107 78,085 74,543	Yes	Yes	Yes	Bachelor's degree Bachelor's degree Associate's degree Associate's degree Bachelor's degree Bachelor's degree Master's degree		Yes Yes No Yes No Yes	Yes Yes Yes Yes No	Yes Yes Yes Yes No Yes
15-1253 15-1254 15-1254 15-1255 15-1299 15-2021 15-2021 15-2021 15-2031 15-2041 15-2051 15-2099 17-1011 17-1021 17-1021 17-1021 17-1021 17-2061 17-2061 17-2071 17-2081 17-2061 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-3081 17-3072 17-3028 17-3029	Software Quality Assurance Analysts and Testers Web Developers Web and Digital Interface Designers Computer Occupations, All Other Actuaries Mathematicians Operations Research Analysts Statisticians Data Scientists Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects Cartographers and Photogrammetrists Surveyors Aerospace Engineers Agricultural Engineers Bioengineers and Biomedical Engineers Civil Engineers Civil Engineers Electrical Engineers Electrical Engineers, Except Computer Environmental Engineers Electronics Engineers, Except Computer Environmental Engineers	43,980 32,297 45,859 35,361 68,478 38,584 35,610 39,279 48,679 46,133 44,658 42,684 34,158 50,267 57,365 64,995 34,562 64,542 38,178	84,395 77,900 97,138 71,404 120,904 91,686 62,345 80,854 94,850 95,401 69,774 66,394 100,644	104,320 99,190 88,254 85,709 130,328 126,084 75,918 97,937 108,372 97,745 78,107 78,085 74,543	Yes	Yes	Yes	Bachelor's degree Associate's degree Associate's degree Bachelor's degree Bachelor's degree Master's degree		Yes No Yes No Yes	Yes Yes Yes No Yes	Yes Yes Yes No Yes
15-1254 15-1254 15-1255 15-1259 15-2011 15-2021 15-2031 15-2041 15-2051 15-2051 15-2099 17-1011 17-1012 17-1012 17-1021 17-1021 17-2021 17-2011 17-2021 17-2031 17-2051 17-2061 17-2061 17-2061 17-2072 17-2081 17-212 17-2131 17-211 17-211 17-212 17-2131 17-211 17-212 17-2131 17-212 17-2131 17-217 17-2199 17-3012 17-3012 17-3022 17-3023 17-3024 17-3025 17-3026 17-3029 17-3029 17-3029 17-3021 19-1011 19-1011 19-1012 19-1012 19-1012	Web Developers Web and Digital interface Designers Computer Occupations, All Other Actuaries Mathematicians Operations Research Analysts Statisticians Data Scientists Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects Cartographers and Photogrammetrists Surveyors Aerospace Engineers Agricultural Engineers Bioengineers and Bionedical Engineers Civil Engineers Civil Engineers Civil Engineers Electrical Engineers Electrical Engineers Electronics Engineers, Except Computer Environmental Engineers	32,297 45,859 35,361 68,478 38,584 35,610 39,279 48,679 46,133 44,658 42,684 34,158 50,267 57,365 64,995 34,562 64,542 38,178	77,900 97,138 71,404 120,904 91,686 62,345 80,854 94,850 95,401 69,774 66,394 59,008 100,644	99,190 88,254 85,709 130,328 126,084 75,918 97,937 108,372 97,745 78,107 78,085 74,543	Yes	Yes Yes Yes Yes Yes Yes Yes Yes Yes	Yes	Associate's degree Associate's degree Bachelor's degree Bachelor's degree Master's degree		No Yes No Yes	Yes Yes No Yes	Yes Yes No Yes
15-1255 15-1299 15-1291 15-2011 15-2021 15-2021 15-2031 15-2041 15-2051 15-2099 17-1011 17-1012 17-1021 17-1021 17-1021 17-1021 17-2051 17-2051 17-2061 17-2071 17-2081 17-2072 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-3081 17-3072	Web and Digital Interface Designers Computer Occupations, All Other Actuaries Mathematicians Operations Research Analysts Statisticians Data Scientists Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects Cartographers and Photogrammetrists Surveyors Aerospace Engineers Agricultural Engineers Bioengineers and Biomedical Engineers Chwile Engineers Computer Hardware Engineers Electrical Engineers Electrical Engineers Electrical Engineers Electrical Engineers Electrical Engineers Electronics Engineers, Except Computer Environmental Engineers	45,859 35,361 68,478 38,584 35,610 39,279 48,679 46,133 44,658 42,684 34,158 50,267 57,365 64,995 34,562 64,542 38,178	97,138 71,404 120,904 91,686 62,345 80,854 94,850 95,401 69,774 66,394 59,008 100,644	88,254 85,709 130,328 126,084 75,918 97,937 108,372 97,745 78,107 78,085 74,543	Yes	Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes Yes Yes	Associate's degree Bachelor's degree Bachelor's degree Master's degree		Yes No Yes	Yes No Yes	Yes No Yes
15-1299 15-201 15-2021 15-2031 15-2041 15-2051 15-2051 15-2051 15-2051 15-2051 17-1011 17-1012 17-1021 17-1021 17-1021 17-2021 17-2021 17-2051 17-2051 17-2061 17-2071 17-2081 17-2071 17-2081 17-2071 17-2121 17-2121 17-2121 17-2121 17-2121 17-2121 17-2121 17-2121 17-2131 17-2141 17-2151 17-2161 17-217 17-2081 17-3012 17-3013 17-3023 17-3024 17-3025 17-3025 17-3026 17-3027 17-3028 17-3029	Computer Occupations, All Other Actuaries Mathematicians Operations Research Analysts Statisticians Data Scientists Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects Cartographers and Photogrammetrists Surveyors Aerospace Engineers Agricultural Engineers Bioengineers and Biomedical Engineers Crwii Engineers Crwii Engineers Crwii Engineers Electrical Engineers Electrical Engineers Electronics Engineers, Except Computer Environmental Engineers	35,361 68,478 38,584 35,610 39,279 48,679 46,133 44,658 42,684 34,158 50,267 57,365 64,995 34,562 64,995 34,562	71,404 120,904 91,686 62,345 80,854 94,850 95,401 69,774 66,394 59,008 100,644	85,709 130,328 126,084 75,918 97,937 108,372 97,745 78,107 78,085 74,543	Yes Yes Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes Yes	Bachelor's degree Bachelor's degree Master's degree		No Yes	No Yes	No Yes
15-2021 15-2031 15-2041 15-2051 15-2061 15-2099 17-1011 17-1012 17-1021 17-1021 17-2021 17-2021 17-2021 17-2051 17-2061 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2112 17-2121 17-2121 17-2131 17-2141 17-2151 17-2161 17-217 17-2199 17-3011 17-3012 17-3023 17-3024 17-3025 17-3026 17-3027 17-3028 17-3029 17-3029 17-3029 17-3021 17-3029 17-3021 17-3029 17-3029 17-3029 17-3029 17-3029 17-3021 19-1011 19-1012	Actuaries Mathematicians Operations Research Analysts Statisticians Data Scientists Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects Cartographers and Photogrammetrists Surveyors Aerospace Engineers Agricultural Engineers Bioengineers and Biomedical Engineers Chemical Engineers Computer Hardware Engineers Electrical Engineers Electrical Engineers Electronics Engineers, Except Computer Environmental Engineers	68,478 38,584 35,510 39,279 48,679 46,133 44,658 42,684 34,158 50,267 57,365 64,995 34,562 64,542 38,178	120,904 91,686 62,345 80,854 94,850 95,401 69,774 66,394 59,008 100,644	130,328 126,084 75,918 97,937 108,372 97,745 78,107 78,085 74,543	Yes Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes	Yes Yes Yes Yes	Bachelor's degree Master's degree		Yes	Yes	Yes
15-2021 15-2031 15-2041 15-2051 15-2061 15-2099 17-1011 17-1012 17-1021 17-1021 17-2021 17-2021 17-2021 17-2051 17-2061 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2071 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2072 17-2081 17-2112 17-2121 17-2121 17-2131 17-2141 17-2151 17-2161 17-217 17-2199 17-3011 17-3012 17-3023 17-3024 17-3025 17-3026 17-3027 17-3028 17-3029 17-3029 17-3029 17-3021 17-3029 17-3021 17-3029 17-3029 17-3029 17-3029 17-3029 17-3021 19-1011 19-1012	Mathematiclans Operations Research Analysts Statisticians Data Scientists Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects Cartographers and Photogrammetrists Surveyors Aerospace Engineers Agricultural Engineers Bioengineers and Biomedical Engineers Civil Engineers Civil Engineers Clomputer Hardware Engineers Electrical Engineers, Except Computer Environmental Engineers	35,610 39,279 48,679 46,133 44,658 42,684 34,158 50,267 57,365 64,995 34,562 64,542 38,178	62,345 80,854 94,850 95,401 69,774 66,394 59,008 100,644	75,918 97,937 108,372 97,745 78,107 78,085 74,543	Yes Yes Yes Yes	Yes Yes	Yes Yes	Master's degree			Yes	Vos
15-2031 15-2041 15-2051 15-2099 17-1012 17-1012 17-1012 17-1021 17-1021 17-1021 17-2051 17-2051 17-2061 17-2061 17-2061 17-2071 17-2072 17-2081 17-2111 17-2112 17-2112 17-2113 17-2111 17-2112 17-2113 17-2111 17-2112 17-2131 17-2111 17-2112 17-2131 17-2151 17-2161 17-217 17-2099 17-3012 17-3012 17-3012 17-3023 17-3024 17-3025 17-3026 17-3027 17-3029 17-3029 17-3031 19-1011 19-1012 19-1012 19-1012 19-1012 19-1012 19-1012	Statisticians Data Scientists Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects Cartographers and Photogrammetrists Surveyors Aerospace Engineers Agricultural Engineers Bioengineers and Biomedical Engineers Chemical Engineers Civil Engineers Computer Hardware Engineers Electrical Engineers Electrical Engineers, Except Computer Environmental Engineers	35,610 39,279 48,679 46,133 44,658 42,684 34,158 50,267 57,365 64,995 34,562 64,542 38,178	62,345 80,854 94,850 95,401 69,774 66,394 59,008 100,644	75,918 97,937 108,372 97,745 78,107 78,085 74,543	Yes Yes Yes Yes	Yes	Yes	Bachelor's degree		No		Yes
15-2051 15-2099 17-1011 17-1012 17-1012 17-1021 17-1021 17-2021 17-2021 17-2031 17-2031 17-2051 17-2061 17-2071 17-2072 17-2072 17-2072 17-2072 17-2072 17-2071 17-2072 17-2071 17-2071 17-2071 17-2071 17-2071 17-2071 17-2071 17-2071 17-2081 17-2111 17-2121 17-2131 17-2121 17-2131 17-2151 17-2151 17-2161 17-2171 17-2199 17-3012 17-3013 17-3019 17-3021 17-3021 17-3021 17-3021 17-3021 17-3021 17-3021 17-3021 17-3021 17-3021 17-3021 17-3029 17-3029 17-3029 17-3031 19-1011 19-1012 19-1012 19-1022 19-1022	Data Scientists Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects Cartographers and Photogrammetrists Surveyors Aerospace Engineers Agricultural Engineers Bioengineers and Biomedical Engineers Civil Engineers Civil Engineers Civil Engineers Electrical Engineers Electrical Engineers Electronics Engineers Electronics Engineers Electronics Engineers Environmental Engineers	48,679 46,133 44,658 42,684 34,158 50,267 57,365 64,995 34,562 64,542 38,178	94,850 95,401 69,774 66,394 59,008 100,644	97,745 78,107 78,085 74,543	Yes					No	No	No
15-2099 17-1011 17-1012 17-1021 17-1021 17-1021 17-1021 17-2031 17-2041 17-2031 17-2041 17-2051 17-2061 17-2061 17-2071 17-2072 17-2081 17-2071 17-2072 17-2081 17-2111 17-2112 17-2113 17-2114 17-2115 17-2161 17-2161 17-2161 17-217 17-2099 17-3013 17-3012 17-3021 17-3022 17-3023 17-3024 17-3025 17-3026 17-3027 17-3028 17-3029 17-3029 17-3029 17-3031 19-1011 19-1012 19-1013 19-1012 19-1012 19-1021	Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects Cartographers and Photogrammetrists Surveyors Aerospace Engineers Agricultural Engineers Glicengineers and Biomedical Engineers Chemical Engineers Computer Hardware Engineers Electrical Engineers Electronics Engineers, Except Computer Environmental Engineers	46,133 44,658 42,684 34,158 50,267 57,365 64,995 34,562 64,542 38,178	95,401 69,774 66,394 59,008 100,644	97,745 78,107 78,085 74,543	Yes	Yes		Master's degree	T i	No	Yes	Yes
17-1011 17-1021 17-1021 17-1021 17-1021 17-1021 17-2021 17-2021 17-2021 17-2021 17-2051 17-2051 17-2061 17-2071 17-2061 17-2071 17-2081 17-2121 17-3011 17-3012 17-3022 17-3023 17-3024 17-3025 17-3026 17-3027 17-3028 17-3029 17-3028 17-3029 17-3029 17-3029 17-3021 19-1011 19-1012 19-1012 19-1012 19-1012	Architects, Except Landscape and Naval Landscape Architects Cartographers and Photogrammetrists Surveyors Aerospace Engineers Agricultural Engineers Bioengineers and Biomedical Engineers Chemical Engineers Computer Hardware Engineers Electrical Engineers Electrical Engineers, Except Computer Environmental Engineers	44,658 42,684 34,158 50,267 57,365 64,995 34,562 64,542 38,178	69,774 66,394 59,008 100,644	78,107 78,085 74,543			Yes	Bachelor's degree		Yes	Yes	Yes
17-1012 17-1012 17-1021 17-1021 17-1021 17-1021 17-2011 17-2031 17-2041 17-2051 17-2061 17-2061 17-2071 17-2072 17-2081 17-2111 17-2121 17-2121 17-2121 17-2121 17-2131 17-2151 17-2161 17-2151 17-2161 17-2171 17-2199 17-3013 17-3019 17-3019 17-3021 17-3021 17-3023 17-3024 17-3025 17-3026 17-3029 17-3029 17-3029 17-3029 17-3029 17-3029 17-3029 17-3029 17-3029 17-3021 19-1011 19-1012 19-1012 19-1021	Landscape Architects Cartographers and Photogrammetrists Surveyors Aerospace Engineers Agricultural Engineers Bioengineers and Biomedical Engineers Chemical Engineers Civil Engineers Computer Hardware Engineers Electrical Engineers Electronics Engineers, Except Computer Environmental Engineers	44,658 42,684 34,158 50,267 57,365 64,995 34,562 64,542 38,178	69,774 66,394 59,008 100,644	78,107 78,085 74,543								
17-1021 17-1021 17-1021 17-2021 17-2021 17-2021 17-2031 17-2041 17-2051 17-2061 17-2071 17-2072 17-2081 17-2072 17-2081 17-2112 17-2112 17-2112 17-2113 17-2141 17-2151 17-2161 17-217 17-2199 17-3011 17-3012 17-3023 17-3024 17-3025 17-3026 17-3027 17-3028 17-3029	Cartographers and Photogrammetrists Surveyors Aerospace Engineers Agricultural Engineers Bioengineers and Biomedical Engineers Chemical Engineers Civil Engineers Computer Hardware Engineers Electrical Engineers Electronics Engineers, Except Computer Environmental Engineers	42,684 34,158 50,267 57,365 64,995 34,562 64,542 38,178	66,394 59,008 100,644 95,303	78,085 74,543	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-1022 17-2021 17-2031 17-2031 17-2041 17-2051 17-2061 17-2061 17-2071 17-2072 17-2072 17-2072 17-2072 17-2111 17-2112 17-2121 17-2131 17-2151 17-2151 17-2151 17-2151 17-2151 17-2161 17-217 17-3012 17-3012 17-3023 17-3024 17-3025 17-3026 17-3027 17-3028 17-3029 17-3029 17-3031 19-1011 19-1012 19-1012 19-1012 19-1022 19-1022	Surveyors Aerospace Engineers Agricultural Engineers Bloengineers and Blomedical Engineers Chemical Engineers Civil Engineers Computer Hardware Engineers Electrical Engineers Electronics Engineers, Except Computer Environmental Engineers	34,158 50,267 57,365 64,995 34,562 64,542 38,178	59,008 100,644 95,303	74,543		Yes	Yes	Bachelor's degree		Yes	No	No
17-2011 17-2021 17-2021 17-2041 17-2041 17-2041 17-2061 17-2061 17-2061 17-2072 17-2081 17-2071 17-2112 17-2112 17-2113 17-2121 17-2131 17-2141 17-2151 17-2161 17-2161 17-3012 17-3013 17-3019 17-3021 17-3022 17-3023 17-3024 17-3025 17-3026 17-3027 17-3028 17-3029 17-3029 17-3031 19-1011 19-1012 19-1012 19-1012 19-1012 19-1022 19-1023	Aerospace Engineers Agricultural Engineers Bioengineers and Biomedical Engineers Chemical Engineers Civil Engineers Computer Hardware Engineers Electrial Engineers Electroial Engineers Environmental Engineers Environmental Engineers	50,267 57,365 64,995 34,562 64,542 38,178	100,644 95,303		Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2021 17-2031 17-2041 17-2051 17-2061 17-2071 17-2061 17-2071 17-2081 17-2111 17-2112 17-2121 17-2121 17-2121 17-2131 17-2141 17-2151 17-2171 17-2199 17-3012 17-3013 17-3019 17-3021 17-3021 17-3021 17-3021 17-3029 17-3029 17-3029 17-3029 17-3029 17-3029 17-3029 17-3029 17-3021 19-1011 19-1012 19-1012 19-1012 19-1012 19-1022	Agricultural Engineers Bioengineers and Biomedical Engineers Chemical Engineers Civil Engineers Computer Hardware Engineers Electrical Engineers Electronics Engineers, Except Computer Environmental Engineers	57,365 64,995 34,562 64,542 38,178	95,303	122,678	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2031 17-2041 17-2041 17-2051 17-2061 17-2061 17-2061 17-2071 17-2072 17-2081 17-2111 17-2112 17-2121 17-2121 17-2131 17-2151 17-2161 17-2161 17-2161 17-2171 17-3012 17-3013 17-3019 17-3021 17-3023 17-3024 17-3025 17-3028 17-3029 17-3028 17-3029	Bioengineers and Biomedical Engineers Chemical Engineers Crivil Engineers Computer Hardware Engineers Electrical Engineers Electricois Engineers, Except Computer Environmental Engineers	64,995 34,562 64,542 38,178		· ·	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2041 17-2051 17-2051 17-2061 17-2071 17-2072 17-2081 17-217 17-2112 17-2112 17-2113 17-2141 17-2151 17-2161 17-2161 17-2161 17-217 17-2199 17-3011 17-3012 17-3023 17-3024 17-3025 17-3026 17-3027 17-3028 17-3029	Chemical Engineers Covil Engineers Computer Hardware Engineers Electrical Engineers Electronics Engineers, Except Computer Environmental Engineers	64,995 34,562 64,542 38,178		119,380	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2051 17-2061 17-2061 17-2061 17-2071 17-2072 17-2072 17-2081 17-2111 17-2121 17-2121 17-2131 17-2151 17-2151 17-2151 17-2151 17-2161 17-2171 17-2199 17-3012 17-3013 17-3019 17-3022 17-3023 17-3024 17-3025 17-3026 17-3027 17-3029	Civil Engineers Computer Hardware Engineers Electrical Engineers Electronics Engineers, Except Computer Environmental Engineers	34,562 64,542 38,178	103,200	129,380			Yes			Yes	Yes	
17-2061 17-2071 17-2071 17-2071 17-2081 17-2081 17-2111 17-2112 17-2112 17-2131 17-2141 17-2151 17-2161 17-2161 17-2161 17-3012 17-3013 17-3012 17-3021 17-3022 17-3023 17-3024 17-3025 17-3026 17-3027 17-3028 17-3028 17-3029 17-3029 17-3029 17-3021 19-1011 19-1012 19-1012 19-1021 19-1022	Computer Hardware Engineers Electrical Engineers Electronics Engineers, Except Computer Environmental Engineers	64,542 38,178	107,946	119,489	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	1 1	Yes No	Yes	Yes Yes
17-2071 17-2081 17-2111 17-2112 17-2121 17-2121 17-2121 17-2121 17-2121 17-2121 17-2131 17-2141 17-2151 17-2161 17-2171 17-3012 17-3013 17-3019 17-3021 17-3021 17-3022 17-3023 17-3025 17-3026 17-3026 17-3027 17-3028 17-3029 17-3031 19-1011 19-1012 19-1012 19-1022 19-1023	Electrical Engineers Electronics Engineers, Except Computer Environmental Engineers	38,178	115,425	134.187	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
17-2072 17-2081 17-2081 17-2081 17-2111 17-2112 17-2121 17-2131 17-2151 17-2161 17-2161 17-2161 17-3012 17-3013 17-3012 17-3021 17-3021 17-3021 17-3021 17-3024 17-3025 17-3024 17-3025 17-3026 17-3027 17-3028 17-3028 17-3028 17-3029	Electronics Engineers, Except Computer Environmental Engineers		90.297	125.603	Yes	Yes	Yes	Bachelor's degree	1 1	No	Yes	Yes
17-2081 17-2112 17-2112 17-2121 17-2121 17-2131 17-2141 17-2151 17-2161 17-2161 17-2171 17-3012 17-3012 17-3012 17-3021 17-3022 17-3022 17-3024 17-3025 17-3028 17-3029	Environmental Engineers	76,153	100,571	122,305	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
17-2112 17-2121 17-2131 17-2141 17-2151 17-2161 17-2161 17-2161 17-2017 17-3012 17-3012 17-3013 17-3022 17-3023 17-3024 17-3025 17-3026 17-3028 17-3028 17-3029 17-3021 19-1011 19-1012 19-1012 19-1021 19-1022 19-1023		34,359	82,098	102,374	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
17-2121 17-2131 17-2141 17-2151 17-2151 17-2161 17-2171 17-2199 17-3011 17-3011 17-3013 17-3013 17-3021 17-3021 17-3021 17-3021 17-3025 17-3026 17-3026 17-3027 17-3028 17-3029 17-3031 19-1011 19-1012 19-1012 19-1022 19-1023	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	39,054	62,934	89,919	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2131 17-2141 17-2151 17-2161 17-2161 17-2161 17-2171 17-2199 17-3012 17-3013 17-3019 17-3021 17-3022 17-3023 17-3024 17-3025 17-3026 17-3026 17-3027 17-3028 17-3028 17-3029 17-3029 17-3021 19-1011 19-1012 19-1021 19-1022 19-1023	Industrial Engineers	56,898	87,152	101,826	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2141 17-2151 17-2151 17-2161 17-2171 17-3012 17-3013 17-3019 17-3021 17-3022 17-3023 17-3024 17-3025 17-3026 17-3027 17-3028 17-3029 17-3029 17-3011 19-1011 19-1012 19-1012 19-1021 19-1022 19-1029	Marine Engineers and Naval Architects	49,706	75,249	88,493	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2151 17-2151 17-2171 17-2199 17-3011 17-3012 17-3013 17-3021 17-3021 17-3022 17-3023 17-3024 17-3025 17-3026 17-3026 17-3027 17-3028 17-3029 17-3031 19-1011 19-1012 19-1012 19-1022 19-1022 19-1029	Materials Engineers	57,215	92,510	120,458	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2161 17-2171 17-2199 17-3011 17-3012 17-3013 17-3019 17-3021 17-3022 17-3023 17-3024 17-3025 17-3026 17-3027 17-3028 17-3029 17-3029 17-3011 19-1011 19-1012 19-1013 19-1021 19-1023 19-1029	Mechanical Engineers	50,197	82,691	98,207	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2171 17-2199 17-3011 17-3011 17-3012 17-3013 17-3013 17-3021 17-3021 17-3022 17-3023 17-3024 17-3025 17-3026 17-3026 17-3027 17-3028 17-3029 17-3031 19-1011 19-1012 19-1012 19-1022 19-1022 19-1029	Mining and Geological Engineers, Including Mining Safety Engineers	44,796	93,307	104,950	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2199 17-3011 17-3012 17-3013 17-3019 17-3021 17-3023 17-3024 17-3025 17-3026 17-3026 17-3027 17-3028 17-3029 17-3031 19-1011 19-1012 19-1012 19-1021 19-1022 19-1023	Nuclear Engineers	78,230	112,753	122,206	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-3011 17-3012 17-3013 17-3019 17-3021 17-3022 17-3022 17-3024 17-3025 17-3026 17-3027 17-3028 17-3029 17-3031 19-1011 19-1012 19-1012 19-1021 19-1022 19-1029	Petroleum Engineers	64,822	126,644	151,936	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-3012 17-3013 17-3019 17-3021 17-3021 17-3022 17-3023 17-3024 17-3025 17-3026 17-3027 17-3029 17-3031 19-1011 19-1012 19-1012 19-1022 19-1023 19-1029	Engineers, All Other Architectural and Civil Drafters	50,107 29,079	71,412 49,063	84,083 60,268	Yes No	Yes	Yes Yes	Bachelor's degree Associate's degree		Yes No	No No	No Yes
17-3013 17-3019 17-3021 17-3022 17-3023 17-3024 17-3025 17-3026 17-3027 17-3028 17-3029 17-3031 19-1011 19-1012 19-1012 19-1021 19-1021 19-1029	Electrical and Electronics Drafters	46,258	60,951	72,651	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3019 17-3021 17-3021 17-3022 17-3023 17-3024 17-3025 17-3026 17-3027 17-3028 17-3031 19-1011 19-1012 19-1012 19-1022 19-1023 19-1029	Mechanical Drafters	32.262	54.495	66.049	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3021 17-3022 17-3023 17-3024 17-3025 17-3026 17-3027 17-3029 17-3029 17-3031 19-1011 19-1012 19-1012 19-1021 19-1022 19-1023	Drafters, All Other	34,859	50,382	58,097	Yes	Yes	Yes	Associate's degree	1 1	No	No	No
17-3022 17-3023 17-3024 17-3024 17-3025 17-3026 17-3027 17-3029 17-3031 19-1011 19-1012 19-1013 19-1021 19-1022 19-1023 19-1029	Aerospace Engineering and Operations Technologists and Technicians	35.054	75,375	103.059	Yes	Yes	Yes	Associate's degree	1 1	No	Yes	Yes
17-3024 17-3025 17-3026 17-3027 17-3028 17-3029 17-3031 19-1011 19-1012 19-1013 19-1021 19-1022 19-1023 19-1029	Civil Engineering Technologists and Technicians	34,456	46,423	45,067	Yes	No	No	Associate's degree		No	No	No
17-3025 17-3026 17-3027 17-3028 17-3029 17-3031 19-1011 19-1013 19-1021 19-1022 19-1023 19-1029	Electrical and Electronic Engineering Technologists and Technicians	30,316	52,280	61,117	No	Yes	Yes	Associate's degree	T i	No	No	Yes
17-3026 17-3027 17-3028 17-3028 17-3029 17-3031 19-1011 19-1012 19-1013 19-1021 19-1022 19-1023 19-1029	Electro-Mechanical and Mechatronics Technologists and Technicians	44,343	68,661	77,555	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3027 17-3028 17-3029 17-3031 19-1011 19-1012 19-1021 19-1022 19-1023 19-1029	Environmental Engineering Technologists and Technicians	30,279	44,575	50,382	No	No	No	Associate's degree		No	No	No
17-3028 17-3029 17-3031 19-1011 19-1012 19-1013 19-1021 19-1022 19-1023 19-1029	Industrial Engineering Technologists and Technicians	38,218	52,761	59,517	Yes	Yes	Yes	Associate's degree		Yes	No	Yes
17-3029 17-3031 19-1011 19-1012 19-1013 19-1021 19-1022 19-1023 19-1029	Mechanical Engineering Technologists and Technicians	37,010	52,947	56,478	Yes	Yes	Yes	Associate's degree		No	No	No
17-3031 19-1011 19-1012 19-1013 19-1021 19-1022 19-1023 19-1029	Calibration Technologists and Technicians	40,468	54,214	62,959	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
19-1011 19-1012 19-1013 19-1021 19-1022 19-1023 19-1029	Engineering Technologists and Technicians, Except Drafters, All Other	36,296	51,079	47,523	Yes	Yes	No	Associate's degree		No	No	No
19-1012 19-1013 19-1021 19-1022 19-1023 19-1029	Surveying and Mapping Technicians Animal Scientists	29,555	41,343	47,090	No	No	No	Associate's degree		No	No	No
19-1013 19-1021 19-1022 19-1023 19-1029	Food Scientists and Technologists	35,999 38,276	78,751 76,002	117,412 104.699	Yes	Yes	Yes Yes	Master's degree		No	No No	Yes
19-1021 19-1022 19-1023 19-1029	Soil and Plant Scientists	38,440	80.111	99,914	Yes Yes	Yes	Yes	Bachelor's degree Bachelor's degree		No No	Yes	Yes Yes
19-1022 19-1023 19-1029	Biochemists and Biophysicists	38.681	84,712	106,763	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-1023 19-1029	Microbiologists	35,121	57,761	70,754	Yes	Yes	Yes	Master's degree	1 1	No	No	No
19-1029	Zoologists and Wildlife Biologists	36.816	49,553	56.014	Yes	Yes	Yes	Master's degree	1 1	No	No	No
	Biological Scientists, All Other	41,309	56,002	58,240	Yes	Yes	Yes	Bachelor's degree		No	No	No
	Conservation Scientists	28,995	42,423	44,720	No	No	No	Bachelor's degree		No	No	No
19-1032	Foresters	36,057	58,272	68,622	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1041	Epidemiologists	55,832	84,027	98,882	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	No
19-1042		59,421	110,962	121,424	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-1099	Medical Scientists, Except Epidemiologists	54,414	83,564	89,304	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
19-2011	Life Scientists, All Other	75,143	153,701	215,610	Yes	Yes	Yes	Doctoral or professional degree		Yes	Yes	Yes
19-2012	Life Scientists, All Other Astronomers	75,143	153,701	215,610	Yes	Yes	Yes	Doctoral or professional degree	1 .	Yes	Yes	Yes
19-2021	Life Scientists, All Other Astronomers Physicists	60,385	80,979	87,239	Yes	Yes	Yes	Bachelor's degree	1 .	Yes	Yes	No
19-2031	Life Scientists, All Other Astronomers Physicist Atmospheric and Space Scientists		61,433	84,746	Yes	Yes	Yes	Bachelor's degree	+	No	No	No
19-2032 19-2041	Life Scientists, All Other Astronomers Physicists Atmospheric and Space Scientists Chemists	35,706	112,039	131,071	Yes	Yes	Yes	Bachelor's degree	+	Yes	Yes	Yes
19-2042	Life Scientists, All Other Astronomers Physicists Atmospheric and Space Scientists Chemists Materials Scientists	66,433	51,921 88.927	59,813 107,139	No Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	+	No Yes	No Yes	No Yes
19-2042	Life Scientists, All Other Astronomers Physicists Atmospheric and Space Scientists Chemists Materials Scientists Environmental Scientists and Specialists, Including Health	66,433 29,106	00,741	78,471	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
19-2099	Life Scientists, All Other Astronomers Physicists Atmospheric and Space Scientists Chemists Materials Scientists Environmental Scientists and Specialists, Including Health Geoscientists, Except Hydrologists and Geographers	66,433 29,106 46,533	65 706	129.074	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-3011	Life Scientists, All Other Astronomers Physicists Atmospheric and Space Scientists Chemists Chemists Environmental Scientists and Specialists, Including Health Geoscientists, Except Hydrologists and Geographers Hydrologists	66,433 29,106 46,533 41,806	65,796 104.178	113,139	Yes	Yes	Yes	Master's degree	1 1	Yes	Yes	Yes
19-3022	Life Scientists, All Other Astronomers Physicists Atmospheric and Space Scientists Chemists Materials Scientists Environmental Scientists and Specialists, Including Health Geoscientists, Except Hydrologists and Geographers Hydrologists Physical Scientists, All Other	66,433 29,106 46,533 41,806 43,658	104,178							Yes	Yes	Yes
19-3032	Life Scientists, All Other Astronomers Physicists Atmospheric and Space Scientists Chemists Chemists Environmental Scientists and Specialists, Including Health Geoscientists, Except Hydrologists and Geographers Hydrologists	66,433 29,106 46,533 41,806		123,287	Yes	Yes	Yes	iviaster's degree		Yes		Yes
19-3033	Life Scientists, All Other Astronomers Physicists Atmospheric and Space Scientists Chemists Materials Scientists Environmental Scientists and Specialists, Including Health Geoscientists, Except Hydrologists and Geographers Hydrologists Physical Scientists, All Other Economists Survey Researchers	66,433 29,106 46,533 41,806 43,658 58,436 51,028	104,178 92,805 97,213	123,287			Yes Yes	Master's degree Doctoral or professional degree	1	res	INO	
19-3034	Life Scientists, All Other Astronomers Physicists Atmospheric and Space Scientists Chemists Materials Scientists Environmental Scientists and Specialists, Including Health Geoscientists, Except Hydrologists and Geographers Hydrologists Physical Scientists, All Other Economists	66,433 29,106 46,533 41,806 43,658 58,436 51,028 71,796	104,178 92,805 97,213 123,557		Yes	Yes	Yes				No No	
19-3039	Life Scientists, All Other Astronomers Physicists Atmospheric and Space Scientists Chemists Materials Scientists Environmental Scientists and Specialists, Including Health Geoscientists, Except Hydrologists and Geographers Hydrologists Physical Scientists, All Other Economists Survey Researchers Industrial-Organizational Psychologists	66,433 29,106 46,533 41,806 43,658 58,436 51,028	104,178 92,805 97,213	123,287 149,515				Doctoral or professional degree		No No	No No	Yes No
19-3041	Life Scientists, All Other Astronomers Physicists Atmospheric and Space Scientists Chemists Materials Scientists Environmental Scientists and Specialists, Including Health Geoscientists, Except Hydrologists and Geographers Hydrologists Physical Scientists, All Other Economists Survey Researchers Industrial-Organizational Psychologists Clinical and Counseling Psychologists Psychologists, All Other	66,433 29,106 46,533 41,806 43,658 58,436 51,028 71,796 35,355 41,127 47,820	104,178 92,805 97,213 123,557 115,310 62,231 100,632	123,287 149,515 202,123 74,049 114,774	Yes Yes Yes Yes	Yes Yes	Yes Yes Yes Yes	Doctoral or professional degree Doctoral or professional degree Doctoral or professional degree Doctoral or professional degree		No No No	No No No	Yes
19-3051	Life Scientists, All Other Astronomers Physicists Atmospheric and Space Scientists Chemists Materials Scientists Environmental Scientists and Specialists, Including Health Geoscientists, Except Hydrologists and Geographers Hydrologists Physical Scientists, All Other Economists Survey Researchers Industrial-Organizational Psychologists Clinical and Counseling Psychologists School Psychologists	66,433 29,106 46,533 41,806 43,658 58,436 51,028 71,796 35,355 41,127	104,178 92,805 97,213 123,557 115,310 62,231	123,287 149,515 202,123 74,049	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Doctoral or professional degree Doctoral or professional degree Doctoral or professional degree		No No	No No	Yes No

Wages - Workforce Re May 2022	egion 11	Annual W	ages (\$) by Occupat	ion	Waga Maat	s or Evenode All C	Occupation Metric		Waga	Moote or Evenade Ed	ucational Level Metric
way 2022			Average Annual	High-Level Wage	Representative	Average Annu			Represent		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting W		Threshold
19-3091	Authoritation and Authoritation	20.540	50.000	74.070				1	ļ ļ		
19-3091	Anthropologists and Archeologists Geographers	38,642	60,838	71,970	Yes	Yes	Yes	Master's degree	No	No	No
19-3093	Historians	34.726	69.365	94.416	Yes	Yes	Yes	Master's degree	No	No	Yes
19-3094	Political Scientists	37,099	92,651	125,785	Yes	Yes	Yes	Master's degree	No	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	55,994	74,577	86,070	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-4012	Agricultural Technicians	28,987	38,555	44,758	No	No	No	Associate's degree	No	No	No
19-4013	Food Science Technicians	31,427	50,912	70,137	Yes	Yes	Yes	Associate's degree	No	No	Yes
19-4021 19-4031	Biological Technicians Chemical Technicians	28,475 34,777	41,797 44,935	48,346 45,976	No Yes	No No	No No	Bachelor's degree Associate's degree	No No	No No	No No
19-4042	Environmental Science and Protection Technicians, Including Health	25,012	31,886	38.793	No.	No.	No.	Associate's degree	No	No	No
19-4043	Geological Technicians, Except Hydrologic Technicians	30,540	39,269	42,906	No	No	No	Associate's degree	No	No	No
19-4044	Hydrologic Technicians	34,832	54,443	65,111	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
19-4051	Nuclear Technicians	37,716	61,262	77,767	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
19-4061	Social Science Research Assistants	29,681	47,575	54,636	No	No	No	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	32,816	45,510	54,153	Yes	No	No	Associate's degree	No	No	No No
19-4092 19-4099	Forensic Science Technicians Life, Physical, and Social Science Technicians, All Other	29,349 26,935	55,819 52.481	66,252 62.005	No No	Yes	Yes Yes	Bachelor's degree	No No	No No	No No
19-5011	Occupational Health and Safety Specialists	36,941	63,789	79,917	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	38,912	60,134	67,040	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	33,799	52,024	61,549	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	23,686	35,817	42,325	No	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	20,800	34,695	36,754	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	27,646	50,823	61,648	No	Yes	Yes	Bachelor's degree	No	No	No
21-1019 21-1021	Counselors, All Other Child, Family, and School Social Workers	28,564	40,019 49,554	45,441	No	No	No	Master's degree	No	No No	No No
21-1021	Healthcare Social Workers	31,200 28,508	49,554 54.743	58,503 63.168	Yes No	Yes	Yes Yes	Bachelor's degree Master's degree	No No	No No	No No
21-1022	Mental Health and Substance Abuse Social Workers	29,604	45.838	56.372	No	No	Yes	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	34,882	51,622	53,768	Yes	Yes	No	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	27,875	50,508	58,621	No	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	32,406	42,527	48,286	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	26,661	36,012	39,686	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	30,573	43,445	53,385	No	No	No	Bachelor's degree	No	No	No
21-1099 21-2011	Community and Social Service Specialists, All Other	20,800	40,848 46,741	46,857	No No	No No	No	Bachelor's degree	No	No No	No No
21-2011	Clergy Directors, Religious Activities and Education	27,829 25,825	46,741	55,835 65,000	No No	No	Yes Yes	Master's degree Bachelor's degree	No No	No No	No No
21-2021	Religious Workers, All Other	21,337	46.277	60,923	No	No	Yes	Bachelor's degree	No	No No	No
23-1011	Lawyers	54,514	107,687	124,873	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
23-1012	Judicial Law Clerks	35,838	47,032	46,571	Yes	No	No	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	41,131	90,403	112,261	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators								1 1		
23-1023	Judges, Magistrate Judges, and Magistrates	41,131	90,403	112,261	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-2011	Paralegals and Legal Assistants Title Examiners, Abstractors, and Searchers	33,883 29.846	49,671 48,964	58,148 54,070	Yes No	Yes	Yes No	Associate's degree	No Yes	No Yes	No Yes
23-2099	Legal Support Workers, All Other	28,038	88,740	144,643	No	Yes	Yes	High school diploma or equivalent Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	39,300	87,908	101,418	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	46,509	94,518	124,350	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	45,178	83,865	102,443	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	37,437	99,336	124,550	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032 25-1041	Engineering Teachers, Postsecondary Agricultural Sciences Teachers, Postsecondary	45,395	87,133	119,872	Yes	Yes	Yes	Doctoral or professional degree	No	No No	No No
25-1041	Agricultural Sciences Teachers, Postsecondary Biological Science Teachers, Postsecondary	43,350 46,201	60,143 71,213	73,127 74,464	Yes Yes	Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No
25-1042	Forestry and Conservation Science Teachers, Postsecondary	43,350	60,143	73,127	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	45,163	62,063	60,134	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	38,527	78,809	94,657	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	42,964	69,838	87,066	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary Anthropology and Archaelogy Teachers, Postsecondary	46,800	68,623	72,623	Yes	Yes	Yes	Doctoral or professional degree	No	No No	No No
25-1061 25-1062	Anthropology and Archeology Teachers, Postsecondary Area, Ethnic, and Cultural Studies Teachers, Postsecondary	45,163 46,909	82,291 64,677	96,683 74,256	Yes	Yes	Yes Yes	Doctoral or professional degree	No No	No No	No No
25-1062	Economics Teachers, Postsecondary	45,385	57,471	74,256 52,764	Yes Yes	Yes	Yes No	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No
25-1064	Geography Teachers, Postsecondary	45,163	62,063	60,134	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	43,822	61,706	56,980	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	44,326	77,750	96,681	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	46,224	97,339	116,255	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	44,748	62,970	74,092	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	45,331	77,410	83,626	Yes	Yes	Yes	Bachelor's degree	Yes	No No	No No
25-1072 25-1081	Nursing Instructors and Teachers, Postsecondary Education Teachers, Postsecondary	46,363 37,407	69,498 69,608	78,249 83,016	Yes Yes	Yes	Yes Yes	Master's degree	No No	No No	No No
25-1081	Library Science Teachers, Postsecondary	46.764	71.632	78.934	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	41,266	56,208	58,774	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	43,774	136,367	201,642	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	59,131	67,822	74,526	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	46,972	82,616	95,706	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	49,300	79,237	92,408	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
	English Language and Literature Teachers, Postsecondary	45,660	71,412	75,867	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123			74 70 :	75.05-	W						
25-1124	Foreign Language and Literature Teachers, Postsecondary	47,971	71,784	75,997	Yes	Yes	Yes	Doctoral or professional degree	No No	No No	No No
			71,784 53,719 85.362	75,997 47,276 103,792	Yes Yes Yes	Yes Yes Yes	Yes No Yes	Doctoral or professional degree Doctoral or professional degree Doctoral or professional degree	No No No	No No No	No No No

Nages - Workforce Re Nay 2022	egion 11	Annual W	ages (\$) by Occupat	tion	Waga Mag	to ar Evenade All (Occupation Metric			Wage Mosts	or Exceeds Educati	ional Lovel Matric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu			-	Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	42,491	72,500	76,474	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1194 25-1199	Career/Technical Education Teachers, Postsecondary	35,087 36,328	60,778 72,823	77,855 78,989	Yes	Yes	Yes	Master's degree	1	No	No	No
25-1199 25-2011	Postsecondary Teachers, All Other Preschool Teachers, Except Special Education	36,328	72,823	78,989 32,559	Yes No	Yes No	Yes No	Doctoral or professional degree Associate's degree	-	No No	No No	No No
25-2011	Kindergarten Teachers, Except Special Education	45,703	56,163	61.712	Yes	Yes	Yes	Bachelor's degree	-	Yes	No	No
25-2021	Elementary School Teachers, Except Special Education	43,661	54.025	59.521	Yes	Yes	Yes	Bachelor's degree	-	Yes	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	45,164	51,991	60,540	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	45,368	58.212	69,645	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	46,854	57,586	62,265	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2032	Career/Technical Education Teachers, Secondary School	45,578	60,433	65,507	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	No	No
25-2051	Special Education Teachers, Preschool	37,010	49,209	60,790	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	39,697	56,811	74,545	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2057	Special Education Teachers, Middle School	45,414	61,455	75,799	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2058	Special Education Teachers, Secondary School	44,854	63,876	74,998	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2059	Special Education Teachers, All Other	24,960	44,053	46,123	No	No	No	Bachelor's degree		No	No	No
	Adult Basic Education, Adult Secondary Education, and English as a Second											
25-3011	Language Instructors	29,171	46,948	55,707	No	No	Yes	Bachelor's degree	1	No	No	No
25-3021 25-3031	Self-Enrichment Teachers	22,393	38,273	48,634	No	No	No	Some college, no degree	1 1	No	No	Yes
25-3041	Substitute Teachers, Short-Term Tutors	22,449	32,788	35,281	No No	No No	No No	Bachelor's degree	-	No	No	No No
25-3041	Teachers and Instructors, All Other	21,129 23,062	39,338 48,403	49,979 62,155	No No	No No	No Yes	Bachelor's degree Bachelor's degree	+	No No	No No	No No
25-4011	Archivists	23,062	48,403 45,366	52,155 54,172	No No	No No	Yes No	Master's degree	1 1	No	No No	No No
25-4011	Curators	31,915	50,721	62,340	Yes	Yes	Yes	Master's degree	1 1	No	No	No
25-4013	Museum Technicians and Conservators	28.842	45.520	54.269	No.	No	No	Bachelor's degree	+	No	No	No
25-4022	Librarians and Media Collections Specialists	41,926	57,415	65,446	Yes	Yes	Yes	Master's degree	1 1	No	No	No
25-4031	Library Technicians	26,756	35,185	37,868	No	No	No	Associate's degree	1 1	No	No	No
25-9021	Farm and Home Management Educators	23,348	39,037	48,801	No	No	No	Master's degree		No	No	No
25-9031	Instructional Coordinators	43,406	59,965	70,894	Yes	Yes	Yes	Master's degree		No	No	No
25-9044	Teaching Assistants, Postsecondary	20,800	30,367	31,001	No	No	No	Bachelor's degree		No	No	No
25-9045	Teaching Assistants, Except Postsecondary	21,900	26,984	27,837	No	No	No	Some college, no degree		No	No	No
25-9099	Educational Instruction and Library Workers, All Other	27,267	50,386	74,758	No	Yes	Yes	Bachelor's degree		No	No	No
27-1011	Art Directors	47,773	77,065	87,135	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
27-1012	Craft Artists	20,508	33,115	38,189	No	No	No	Some college, no degree		No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	26,517	45,578	45,925	No	No	No	Bachelor's degree	1	No	No	No
27-1014	Special Effects Artists and Animators Artists and Related Workers, All Other	44,652	63,925	73,368	Yes	Yes	Yes	Bachelor's degree	1	Yes	No	No
27-1019 27-1021	Commercial and Industrial Designers	25,533 21,419	49,147 53,637	57,153 69,132	No No	Yes	Yes Yes	Some college, no degree Bachelor's degree		No No	Yes No	Yes No
27-1021	Fashion Designers	36.105	65.198	76.667	Yes	Yes	Yes	Bachelor's degree	+ +	No	No No	No No
27-1022	Floral Designers	22,722	31,833	35,285	No	No	No	High school diploma or equivalent	-	No	No	No
27-1024	Graphic Designers	29.427	49.689	57,439	No	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-1025	Interior Designers	30,293	53,203	59,267	No	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	26,660	35,176	37.481	No	No	No	Some college, no degree		No	No	No
27-1027	Set and Exhibit Designers	35,199	44,497	46,070	Yes	No	No	Bachelor's degree	1 1	No	No	No
27-1029	Designers, All Other	28,089	59,063	72,761	No	Yes	Yes	Bachelor's degree		No	No	No
27-2011	Actors	29,054	33,134	30,954	No	No	No	Some college, no degree		Yes	No	No
27-2012	Producers and Directors	23,315	63,853	70,976	No	Yes	Yes	Bachelor's degree		No	No	No
27-2021	Athletes and Sports Competitors	24,491	62,487	62,140	No	Yes	Yes	Some college, no degree		No	Yes	Yes
27-2022	Coaches and Scouts	27,506	72,915	76,348	No	Yes	Yes	Bachelor's degree		No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	20,800	36,473	45,604	No	No	No	Some college, no degree	1	No	No	Yes
27-2031 27-2032	Dancers Choreographers	29,054	33,134	30,954 30,954	No	No No	No No	High school diploma or equivalent	1	Yes	No	No
27-2032	Music Directors and Composers	29,054 20,800	33,134 52,288	30,954 74,984	No No	Yes	No Yes	Some college, no degree Bachelor's degree		Yes	No No	No No
27-2041	Musicians and Singers	20,800	33,134	74,984 30.954	No No	No.	No.	Some college, no degree		Yes	No	No No
27-2091	Disc Jockeys, Except Radio	21,414	58,552	57,983	No	Yes	Yes	Bachelor's degree	+ +	No	No	No
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	21,414	58,552	57,983	No	Yes	Yes	Some college, no degree	-	No	Yes	Yes
27-3011	Broadcast Announcers and Radio Disc Jockeys	21,414	58,552	57,983	No	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-3023	News Analysts, Reporters, and Journalists	30,418	61,513	81,232	No	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-3031	Public Relations Specialists	31,251	58,154	65,608	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-3041	Editors	35,516	64,009	81,680	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-3042	Technical Writers	40,070	80,249	101,076	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
27-3043	Writers and Authors	21,862	45,886	52,000	No	No	No	Bachelor's degree		No	No	No
27-3091	Interpreters and Translators	30,655	52,118	70,330	No	Yes	Yes	Bachelor's degree		No	No	No
27-3092	Court Reporters and Simultaneous Captioners	25,904	50,376	59,613	No	Yes	Yes	Postsecondary nondegree award		No	Yes	Yes
27-3099	Media and Communication Workers, All Other	20,402	45,559	56,381	No	No	Yes	Associate's degree		No	No	No
27-4011	Audio and Video Technicians	23,543	47,200	55,736	No	No	Yes	Associate's degree		No	No	No
27-4012	Broadcast Technicians	21,887	41,575	54,016	No	No	No	Associate's degree	1	No	No	No
27-4014 27-4015	Sound Engineering Technicians	26,083	65,362	97,262	No No	Yes	Yes	Associate's degree	1	No	Yes	Yes
27-4015 27-4021	Lighting Technicians Photographers	28,929	47,536	58,504	No	No	Yes	Associate's degree	+	No	No	No No
27-4021	Pnotographers Camera Operators, Television, Video, and Film	23,444 29.324	36,905 56,960	40,855 62,912	No No	No Yes	No Yes	Some college, no degree	1 1	No No	No No	No No
27-4032	Film and Video Editors	29,324 26,089	55,950	62,912	No No	Yes	Yes	Bachelor's degree Bachelor's degree	1 1	No No	No No	No No
27-4032	Media and Communication Equipment Workers, All Other	26,089	64.909	89.304	No No	Yes	Yes	Associate's degree	+	No No	Yes	Yes
29-1011	Chiropractors	37,553	86,501	127,080	Yes	Yes	Yes	Doctoral or professional degree	+	No	No	No Yes
29-1011	Dentists. General	41.825	155.107	207,721	Yes	Yes	Yes	Doctoral or professional degree	1 1	No	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	50,671	219,265	*	Yes	Yes	Yes*	Doctoral or professional degree	+	No	Yes	Yes*
29-1023	Orthodontists	67,918	164,881	205,365	Yes	Yes	Yes	Doctoral or professional degree		Yes	Yes	Yes
29-1024	Prosthodontists	50,671	219,265	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*
29-1029	Dentists, All Other Specialists	50,671	219,265	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*
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Wages - Workforce Re May 2022		Annua	l Wages (\$) by Occup	ation	Wage Me	ets or Exceeds All Occi	upation Metric		T	Wage Meets	or Exceeds Education	al Level Metric
,		Representative	Average Annual	High-Level Wage	Representative	Average Annual	High-Level Wage			Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
29-1031	Dietitians and Nutritionists	43,757	63,108	70,145	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
29-1041 29-1051	Optometrists Pharmacists	72,842 63,610	134,867 114,974	164,597 131,277	Yes Yes	Yes Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree		Yes Yes	Yes No	Yes No
29-1031	Physician Assistants	47.570	111.161	136,309	Yes	Yes	Yes	Master's degree		No	Yes	Yes
29-1081	Podiatrists	27,871	138,413	173,236	No	Yes	Yes	Doctoral or professional degree		No	Yes	Yes
29-1122	Occupational Therapists	65,331	86,362	95,459	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
29-1123	Physical Therapists	54,937	88,768	96,706	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	No
29-1124	Radiation Therapists	65,348	77,991	80,578	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
29-1125	Recreational Therapists	26,411	45,105	66,372	No	No	Yes	Bachelor's degree		No	No	No
29-1126	Respiratory Therapists	47,840	61,619	66,376	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
29-1127 29-1128	Speech-Language Pathologists	48,559	81,158	95,838	Yes	Yes	Yes	Master's degree		No	Yes	Yes
29-1128	Exercise Physiologists Therapists, All Other	38,218 34,195	51,173 59,893	54,722 74,179	Yes Yes	Yes Yes	No Yes	Master's degree Bachelor's degree		No No	No No	No No
29-1131	Veterinarians	57,529	99.752	121,569	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	No
29-1141	Registered Nurses	53,743	72,551	78,746	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
29-1151	Nurse Anesthetists	117,991	168,218	193,115	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
29-1161	Nurse Midwives	60,886	94,233	108,249	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
29-1171	Nurse Practitioners	81,274	111,252	122,780	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
29-1181	Audiologists	59,796	91,667	103,628	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	No
29-1211	Anesthesiologists	184,563	295,017	*	Yes	Yes	Yes*	Doctoral or professional degree		Yes	Yes	Yes*
29-1212	Cardiologists	174,054	413,634	*	Yes	Yes	Yes*	Doctoral or professional degree	-	Yes	Yes	Yes*
29-1213 29-1214	Dermatologists Emergency Medicine Physicians	60,066 26,645	250,770 289,450	*	Yes	Yes	Yes*	Doctoral or professional degree	-	Yes	Yes	Yes*
29-1214	Family Medicine Physicians	26,645 91.708	289,450	*	No Yes	Yes Yes	Yes* Yes*	Doctoral or professional degree Doctoral or professional degree	1	No Yes	Yes	Yes* Yes*
29-1216	General Internal Medicine Physicians	60,066	250,770	*	Yes	Yes	Yes*	Doctoral or professional degree		Yes	Yes	Yes*
29-1217	Neurologists	90.046	265.027	*	Yes	Yes	Yes*	Doctoral or professional degree		Yes	Yes	Yes*
29-1218	Obstetricians and Gynecologists	60,066	250,770	*	Yes	Yes	Yes*	Doctoral or professional degree		Yes	Yes	Yes*
29-1221	Pediatricians, General	117,374	188,523	229,799	Yes	Yes	Yes	Doctoral or professional degree		Yes	Yes	Yes
29-1222	Physicians, Pathologists	95,892	245,648	*	Yes	Yes	Yes*	Doctoral or professional degree		Yes	Yes	Yes*
29-1223	Psychiatrists	51,645	216,304	*	Yes	Yes	Yes*	Doctoral or professional degree		Yes	Yes	Yes*
29-1224	Radiologists	49,079	293,656	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*
29-1229	Physicians, All Other	53,980	243,623	*	Yes	Yes	Yes*	Doctoral or professional degree		Yes	Yes	Yes*
29-1241 29-1242	Ophthalmologists, Except Pediatric Orthopedic Surgeons, Except Pediatric	98,400 62,700	211,809 309.090	*	Yes Yes	Yes Yes	Yes* Yes*	Doctoral or professional degree Doctoral or professional degree		Yes Yes	Yes Yes	Yes* Yes*
29-1242	Pediatric Surgeons	62,700	309,090	*	Yes	Yes	Yes*	Doctoral or professional degree Doctoral or professional degree		Yes	Yes	Yes*
29-1249	Surgeons, All Other	92,410	527,246	*	Yes	Yes	Yes*	Doctoral or professional degree		Yes	Yes	Yes*
29-1291	Acupuncturists	27,974	48,771	52.658	No	No	No	Master's degree		No	No	No
29-1292	Dental Hygienists	62,205	73,016	74,842	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
29-1299	Healthcare Diagnosing or Treating Practitioners, All Other	30,501	53,517	69,355	No	Yes	Yes	Master's degree		No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	29,130	51,589	64,161	No	Yes	Yes	Associate's degree		No	No	Yes
29-2031	Cardiovascular Technologists and Technicians	28,283	55,154	75,575	No	Yes	Yes	Associate's degree		No	Yes	Yes
29-2032	Diagnostic Medical Sonographers	55,185	68,328	74,964	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
29-2033 29-2034	Nuclear Medicine Technologists	63,318	75,605	80,638	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians Magnetic Resonance Imaging Technologists	42,421 61.529	57,558 68,658	61,832 74.251	Yes Yes	Yes Yes	Yes Yes	Associate's degree		Yes Yes	Yes Yes	Yes Yes
29-2036	Medical Dosimetrists	97.445	123,277	137.042	Yes	Yes	Yes	Associate's degree Postsecondary nondegree award		Yes	Yes	Yes
29-2042	Emergency Medical Technicians	30,259	37.425	42,996	No	No	No	Postsecondary nondegree award		Yes	No	No
29-2043	Paramedics	38,485	46,479	47.021	Yes	No	No	Postsecondary nondegree award		Yes	Yes	No
29-2051	Dietetic Technicians	22,505	32,816	33,503	No	No	No	Associate's degree		No	No	No
29-2052	Pharmacy Technicians	28,945	35,130	37,348	No	No	No	Postsecondary nondegree award		No	No	No
29-2053	Psychiatric Technicians	25,170	34,558	41,164	No	No	No	Postsecondary nondegree award		No	No	No
29-2055	Surgical Technologists	29,240	47,271	55,022	No	No	No	Postsecondary nondegree award		No	Yes	Yes
29-2056 29-2057	Veterinary Technologists and Technicians Onbtholmic Medical Technicians	27,283	34,697	36,330	No	No	No	Associate's degree		No	No No	No
29-2057	Ophthalmic Medical Technicians Licensed Practical and Licensed Vocational Nurses	27,196 40,272	37,972 49,772	44,653 54,290	No Yes	No Yes	No No	Postsecondary nondegree award Postsecondary nondegree award		No Yes	No Yes	No Yes
29-2072	Medical Records Specialists	28.917	39.531	46.491	No	No	No	Postsecondary nondegree award		No	No	No
29-2081	Opticians, Dispensing	29,204	47,548	59.105	No	No	Yes	Postsecondary nondegree award		No	Yes	Yes
29-2091	Orthotists and Prosthetists	42,547	78,894	89,939	Yes	Yes	Yes	Master's degree		No	No	No
29-2092	Hearing Aid Specialists	30,096	51,182	64,629	No	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
29-2099	Health Technologists and Technicians, All Other	30,478	47,974	50,230	No	No	No	Postsecondary nondegree award		Yes	Yes	Yes
29-9021	Health Information Technologists and Medical Registrars	31,101	50,634	61,300	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
29-9091	Athletic Trainers	37,330	51,421	57,698	Yes	Yes	Yes	Bachelor's degree		No	No	No
29-9092	Genetic Counselors	49,620	85,628	99,336	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
29-9093 29-9099	Surgical Assistants Healthcare Practitioners and Technical Workers, All Other	31,070 26,778	56,406 55,991	75,403 67,885	Yes No	Yes Yes	Yes Yes	Postsecondary nondegree award Postsecondary nondegree award	1	Yes No	Yes Yes	Yes Yes
31-1120	Healthcare Practitioners and Technical Workers, All Other Home Health and Personal Care Aides	26,778	26,807	28,944	No No	Yes No	Yes No	High school diploma or equivalent	1	No No	No No	Yes No
31-1120	Nursing Assistants	24,622	30.791	33.845	No	No	No	Postsecondary nondegree award		No	No	No
31-1132	Orderlies	23,909	29,810	32,100	No	No	No	High school diploma or equivalent		No	No	No
31-1133	Psychiatric Aides	25,890	31,388	33,404	No	No	No	High school diploma or equivalent		No	No	No
31-2011	Occupational Therapy Assistants	52,867	63,355	66,560	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
31-2012	Occupational Therapy Aides	28,880	54,037	65,902	No	Yes	Yes	Postsecondary nondegree award		No	Yes	Yes
31-2021	Physical Therapist Assistants	48,435	62,383	66,627	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
31-2022	Physical Therapist Aides	21,585	32,697	33,059	No	No	No	Postsecondary nondegree award		No	No	No
31-9011	Massage Therapists	25,209	46,279	49,513	No	No	No	Postsecondary nondegree award	-	No	Yes	Yes
31-9091 31-9092	Dental Assistants Medical Assistants	30,985 29,085	39,998 35,381	43,966 36.828	Yes No	No No	No No	Postsecondary nondegree award	-	Yes No	No No	No No
31-9092	Medical Equipment Preparers	29,085 31,200	35,381	35,030	Yes	No No	No No	Postsecondary nondegree award High school diploma or equivalent		Yes	No No	No No
31-9094	Medical Transcriptionists	26.493	32,862	34,433	No	No	No	Postsecondary nondegree award		No	No	No
			22,302	, 133	1				-1			

Nages - Workforce Re Nay 2022	egion 11	Annual M	/ages (\$) by Occupat	tion		Wago Monte	or Evenode All (Occupation Metric	T		Wago Moots	or Evenode Educat	tional Level Metric
viay 2022			Average Annual	High-Level Wage	Repre		Average Annu			ŀ	Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Start		Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
31-9095	Pharmacy Aides	22,803	32,845	38,478	No		No	No	High school diploma or equivalent		No	No	No
31-9096 31-9097	Veterinary Assistants and Laboratory Animal Caretakers	24,340	31,074	34,741	No		No	No	High school diploma or equivalent		No	No	No
31-9097 31-9099	Phlebotomists Healthcare Support Workers, All Other	29,946 23,790	35,064 34,553	36,342 36.171	No No		No No	No No	Postsecondary nondegree award		Yes No	No No	No No
33-1011	First-Line Supervisors of Correctional Officers	42,099	49,844	60,356	Yes		Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
33-1011	First-Line Supervisors of Police and Detectives	51,242	75,756	97.398	Yes		Yes	Yes	Some college, no degree Bachelor's degree	H	Yes	No	Yes
33-1022	First-Line Supervisors of Fronce and Detectives First-Line Supervisors of Firefighting and Prevention Workers	47,486	71,536	81,370	Yes		Yes	Yes	Associate's degree		Yes	Yes	Yes
33-1091	First-Line Supervisors of Security Workers	29,460	45.729	50,970	No		No	No	Bachelor's degree	H	No	No	No
33-1099	First-Line Supervisors of Protective Service Workers, All Other	38,437	58,945	64,251	Yes		Yes	Yes	Some college, no degree		Yes	Yes	Yes
33-2011	Firefighters	27,765	40,097	45,820	No		No	No	Postsecondary nondegree award	l i	No	No	No
33-2021	Fire Inspectors and Investigators	37,110	52,585	60,853	Yes		Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	53,690	88,291	99,673	Yes		Yes	Yes	Some college, no degree		Yes	Yes	Yes
33-3011	Bailiffs	29,644	51,760	65,801	No		Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	35,422	42,800	46,393	Yes		No	No	High school diploma or equivalent	Ш	Yes	Yes	No
33-3021	Detectives and Criminal Investigators	41,496	53,533	58,793	Yes		Yes	Yes	Some college, no degree		Yes	Yes	Yes
33-3031	Fish and Game Wardens	26,083	28,282	28,446	No		No	No	Bachelor's degree	Щ	No	No	No
33-3041	Parking Enforcement Workers	30,626	39,289	40,890	No		No	No	High school diploma or equivalent	l l	Yes	No	No
33-3051 33-3052	Police and Sheriff's Patrol Officers	37,987	51,901	55,735	Yes		Yes	Yes	Associate's degree	H	Yes	No	No
33-3052	Transit and Railroad Police Animal Control Workers	57,607	71,574	58,745	Yes		Yes	Yes	Associate's degree	H	Yes	Yes	No
		30,520	38,827	44,577	No		No	No	Postsecondary nondegree award	H	Yes	No	No
33-9021 33-9031	Private Detectives and Investigators Gambling Surveillance Officers and Gambling Investigators	31,098 27.366	56,597 34,369	56,597 37,253	Yes No		Yes	Yes No	Bachelor's degree High school diploma or equivalent		No No	No No	No No
33-9031	Security Guards	21,630	29.666	37,253	No No		No	No	High school diploma or equivalent High school diploma or equivalent	\vdash	No	No	No
33-9032	Crossing Guards and Flaggers	21,630	30.397	32,344 32.256	No No		No	No No	No formal educational credential	\vdash	Yes	Yes	No No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	20,800	30,486	29,598	No		No	No	No formal educational credential		No	Yes	No
33-9093	Transportation Security Screeners	34.031	42.308	46,205	Yes		No	No	High school diploma or equivalent		Yes	Yes	No.
33-9094	School Bus Monitors	22,022	26,295	27,462	No		No	No	High school diploma or equivalent		No	No	No
33-9099	Protective Service Workers, All Other	20,800	31,852	35.617	No		No	No	High school diploma or equivalent	H	No	No	No
35-1011	Chefs and Head Cooks	31,046	51,564	61,061	Yes		Yes	Yes	Associate's degree		No	No	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	27,802	38,606	45,407	No		No	No	High school diploma or equivalent	t i	No	No	No
35-2011	Cooks, Fast Food	21,894	25,340	27,398	No		No	No	No formal educational credential	l i	No	No	No
35-2012	Cooks, Institution and Cafeteria	23,477	29,648	32,582	No		No	No	No formal educational credential	l i	Yes	No	No
35-2013	Cooks, Private Household	31,205	56,777	69,963	Yes		Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
35-2014	Cooks, Restaurant	23,432	31,091	34,436	No		No	No	High school diploma or equivalent	l i	No	No	No
35-2015	Cooks, Short Order	20,927	30,079	34,122	No		No	No	No formal educational credential		No	Yes	Yes
35-2019	Cooks, All Other	26,208	32,343	34,224	No		No	No	No formal educational credential		Yes	Yes	Yes
35-2021	Food Preparation Workers	22,421	28,461	32,368	No		No	No	No formal educational credential		No	No	No
35-3011	Bartenders	20,800	32,897	36,679	No		No	No	No formal educational credential		No	Yes	Yes
35-3023	Fast Food and Counter Workers	21,321	24,443	26,509	No		No	No	No formal educational credential		No	No	No
35-3031	Waiters and Waitresses	20,800	31,089	35,909	No		No	No	No formal educational credential		No	Yes	Yes
35-3041	Food Servers, Nonrestaurant	22,261	26,790	28,966	No		No	No	No formal educational credential		No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	20,800	26,306	28,491	No		No	No	No formal educational credential	L l	No	No	No
35-9021 35-9031	Dishwashers LG (6 Cl	20,997	25,631	27,640	No		No	No	No formal educational credential	H	No	No	No
35-9031 35-9099	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop Food Preparation and Serving Related Workers, All Other	20,875 21.818	26,389 27.121	28,402 28,271	No No		No	No No	No formal educational credential	H	No	No	No
37-1011		21,818	44,002	28,271 48,242	No No		No No	No No	No formal educational credential		No Yes	No Yes	No Yes
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	33,749	49,511	58.781	Yes		Yes	Yes	High school diploma or equivalent Some college, no degree	H	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	21,788	28,928	30,500	No		No	No	High school diploma or equivalent	H	No	No	No
37-2011	Maids and Housekeeping Cleaners	21,934	26,794	28,339	No		No	No	No formal educational credential	H	No	No	No
37-2019	Building Cleaning Workers, All Other	23,575	29,343	32,025	No		No	No	No formal educational credential	H	Yes	No	No
37-2021	Pest Control Workers	29,983	39,084	45,236	No		No	No	High school diploma or equivalent		Yes	No	No
37-3011	Landscaping and Groundskeeping Workers	25,938	31,225	34,078	No		No	No	No formal educational credential	H	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	22,206	36,764	45,049	No		No	No	High school diploma or equivalent		No	No	No
37-3013	Tree Trimmers and Pruners	27,028	37,900	45,501	No		No	No	High school diploma or equivalent		No	No	No
37-3019	Grounds Maintenance Workers, All Other	28,070	37,446	37,186	No		No	No	No formal educational credential		Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	31,832	55,687	68,343	Yes		Yes	Yes	Some college, no degree		Yes	Yes	Yes
	First-Line Supervisors of Entertainment and Recreation Workers, Except									l l			
39-1014	Gambling Services	20,867	41,430	51,074	No		No	No	Some college, no degree		No	Yes	Yes
39-1022	First-Line Supervisors of Personal Service Workers	29,380	46,346	56,405	No		No	Yes	Some college, no degree	L i	Yes	Yes	Yes
39-2011	Animal Trainers	27,050	30,720	29,868	No		No	No	High school diploma or equivalent		No	No	No
39-2021	Animal Caretakers	22,640	28,376	28,905	No		No	No	High school diploma or equivalent		No	No	No
39-3011	Gambling Dealers	20,710	33,954	45,858	No		No	No	High school diploma or equivalent		No	No	No
39-3012	Gambling and Sports Book Writers and Runners	20,672	27,588	29,681	No		No	No	High school diploma or equivalent	H	No	No	No
39-3019	Gambling Service Workers, All Other	20,064	31,244	36,327	No		No	No	High school diploma or equivalent	H	No	No	No
39-3021	Motion Picture Projectionists	30,694	37,099	41,478	No		No	No	No formal educational credential	\sqcup	Yes	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	20,800	22,833	22,031	No		No	No	No formal educational credential	H	No	No	No
39-3091	Amusement and Recreation Attendants	20,800	25,005	27,373	No		No	No No	No formal educational credential	\sqcup	No	No	No
39-3092 39-3093	Costume Attendants Locker Room, Coatroom, and Dressing Room Attendants	24,945	40,070	46,629	No		No	No No	High school diploma or equivalent	H	No	No No	No No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants Entertainment Attendants and Related Workers, All Other	21,858 21.470	29,218 26,796	31,948 23,745	No No		No No	No No	High school diploma or equivalent	\sqcup	No No	No	No No
39-4011	Embalmers	31,514	45,038	23,745 50,459	Yes		No	No No	High school diploma or equivalent	H	No No	No No	No No
39-4011	Crematory Operators	31,514	45,038 36.849	50,459 42.884	Yes No		No	No No	Associate's degree High school diploma or equivalent		Yes	No No	No No
39-4012	Funeral Attendants	21.412	27.913	42,884 28.145	No No		No	No	High school diploma or equivalent High school diploma or equivalent	\vdash	No.	No	No No
39-4021			,	28,145 57.756	Yes		No	Yes		\vdash	No	No	No
39-5011	Morticians, Undertakers, and Funeral Arrangers Barbers	31,200 21.067	46,638 32,585	35,756	Yes No		No	Yes No	Associate's degree Postsecondary nondegree award	\vdash	No No	No No	No No
39-5011	Hairdressers, Hairstylists, and Cosmetologists	21,067	32,585	35,970 37,966	No No		No	No No	Postsecondary nondegree award Postsecondary nondegree award	\vdash	No	No No	No No
39-5091	Makeup Artists, Theatrical and Performance	21,370	32,001	37,300	140			140	. osoccondary nondegree award			.40	140
39-5092	Manicurists and Pedicurists	20,800	30,245	29,856	No		No	No	Postsecondary nondegree award		No	No	No
		1 20,000	30,2-3	25,030	1		-		, and a second of the second o		·-		

May 2022	egion 11	Annual W	ages (\$) by Occupat	ion	1	Wage Meets	or Exceeds All Oc	cupation Metric	1		Wage Meets	or Exceeds Education	onal Level Metric
viay 2022			Average Annual	High-Level Wage	Ren	presentative	Average Annua			-	Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)		arting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
39-5093	Shampooers	20,064	23,672	25,543	No)	No	No	High school diploma or equivalent		No	No	No
39-5094	Skincare Specialists	20,862	39,161	44,365	No		No	No	Postsecondary nondegree award		No	No	No
39-6011	Baggage Porters and Bellhops	20,855	28,620	33,231	No		No	No	High school diploma or equivalent		No	No	No
39-6012 39-7010	Concierges	23,506	29,884	29,957	No		No	No	High school diploma or equivalent		No	No	No
39-9011	Tour and Travel Guides	21,452	31,887	37,568	No		No	No	High school diploma or equivalent		No No	No	No No
39-9031	Childcare Workers Exercise Trainers and Group Fitness Instructors	21,442 20.800	26,141 39.622	28,961 45,480	No No		No No	No No	High school diploma or equivalent		No No	No No	No No
39-9032	Recreation Workers	21,610	28,902	30,775	No		No	No	Postsecondary nondegree award Bachelor's degree		No No	No	No
39-9041	Residential Advisors	27,254	38,908	49.207	No		No	No	Some college, no degree		Yes	Yes	Yes
39-9099	Personal Care and Service Workers, All Other	20,064	29,691	31,514	No		No	No	High school diploma or equivalent		No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	28.220	46.638	51.018	No		No	No	Some college, no degree		Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	40,573	83,717	93,328	Yes		Yes	Yes	Some college, no degree		Yes	Yes	Yes
41-2011	Cashiers	21,179	25,574	27,589	No)	No	No	No formal educational credential	1	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	20,479	32,102	33,260	No)	No	No	No formal educational credential	1	No	Yes	Yes
41-2021	Counter and Rental Clerks	22,443	34,542	37,241	No		No	No	No formal educational credential	1	No	Yes	Yes
41-2022	Parts Salespersons	21,830	36,384	43,680	No		No	No	High school diploma or equivalent		No	No	No
41-2031	Retail Salespersons	21,453	31,057	32,431	No		No	No	High school diploma or equivalent		No	No	No
41-3011	Advertising Sales Agents	32,317	56,205	60,837	Yes		Yes	Yes	Some college, no degree		Yes	Yes	Yes
41-3021	Insurance Sales Agents	31,200	60,587	74,896	Yes		Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	39,609	66,968	76,425	Yes		Yes	Yes	Bachelor's degree		No	No	No
41-3041	Travel Agents	22,617	41,758	45,906	No)	No	No	Some college, no degree		No	Yes	Yes
41-3001	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	28.897	59,530	CC 475	NI-		Vec	Voc	Rachelor's degree	ΙΙ.	No	No	No
41-3091	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific	28,897	59,530	66,475	No	,	Yes	Yes	Bachelor's degree	$\vdash \vdash'$	NU	NO	INO
41-4011	Products	39.307	89,708	119.795	Yes	c	Yes	Yes	Bachelor's degree	ΙΙ.	No	Yes	Yes
41-4011	Sales Representatives, Wholesale and Manufacturing, Except Technical and	35,307	65,706	113,733	162	3	res	res	Bacileioi s degree	'	NU	res	res
41-4012	Scientific Products	29.120	65,356	77.040	No	,	Yes	Yes	Some college, no degree		Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	20,800	42,225	48,270	No		No	No	No formal educational credential		No	Yes	Yes
41-9012	Models	21,202	31,523	33.896	No		No	No	High school diploma or equivalent		No	No	No
41-9021	Real Estate Brokers	36,736	75,993	99,503	Yes	s	Yes	Yes	Postsecondary nondegree award	١	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	26.801	48.044	51.089	No		No	No	Postsecondary nondegree award		No	Yes	Yes
41-9031	Sales Engineers	47,054	119,100	155,032	Yes	S	Yes	Yes	Bachelor's degree	١	Yes	Yes	Yes
41-9041	Telemarketers	20,800	25,654	28,846	No		No	No	High school diploma or equivalent		No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	20,797	34,224	48,153	No)	No	No	High school diploma or equivalent	1	No	No	Yes
41-9099	Sales and Related Workers, All Other	21,462	32,788	35,283	No)	No	No	Some college, no degree	1	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	36,456	57,296	67,255	Yes	s	Yes	Yes	Some college, no degree	١	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	23,192	29,294	31,578	No)	No	No	High school diploma or equivalent	1	No	No	No
43-2021	Telephone Operators	25,138	30,202	33,067	No)	No	No	High school diploma or equivalent	1	No	No	No
43-2099	Communications Equipment Operators, All Other	22,408	47,449	55,648	No)	No	Yes	High school diploma or equivalent	1	No	Yes	Yes
43-3011	Bill and Account Collectors	32,432	38,396	38,733	Yes	S	No	No	High school diploma or equivalent	١	Yes	No	No
43-3021	Billing and Posting Clerks	30,583	39,419	44,072	No)	No	No	High school diploma or equivalent	١	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	29,005	41,558	47,587	No)	No	No	Some college, no degree	١.	Yes	Yes	Yes
43-3041	Gambling Cage Workers	21,405	30,916	36,781	No)	No	No	High school diploma or equivalent	1	No	No	No
43-3051	Payroll and Timekeeping Clerks	28,971	43,792	50,127	No		No	No	Some college, no degree		Yes	Yes	Yes
43-3061	Procurement Clerks	30,438	41,721	46,946	No		No	No	Associate's degree		No	No	No
43-3071	Tellers	30,586	37,531	38,897	No		No	No	High school diploma or equivalent		Yes	No	No
43-3099	Financial Clerks, All Other	29,573	44,649	51,251	No		No	No	Some college, no degree		Yes	Yes	Yes
43-4011	Brokerage Clerks	32,978	48,844	51,590	Yes		Yes	No	Some college, no degree		Yes	Yes	Yes
43-4021	Correspondence Clerks	32,257	36,028	39,163	Yes		No	No	High school diploma or equivalent		Yes	No	No
43-4031 43-4041	Court, Municipal, and License Clerks Credit Authorizers. Checkers. and Clerks	34,482	38,604	41,793	Yes		No	No	Some college, no degree		Yes	No	No
	Customer Service Representatives	27,848 24.664	42,134 34.694	49,108 38,041	No No		No No	No No	Some college, no degree		Yes No	Yes No	Yes No
43-4051 43-4061		24,664	34,694	38,041 35.027	No No		No No	No No	High school diploma or equivalent		No No	No No	No No
43-4001	Eligibility Interviewers, Government Programs File Clerks	23,809	32,115	35,598	No		No	No	High school diploma or equivalent High school diploma or equivalent		No	No	No
43-4071	Hotel, Motel, and Resort Desk Clerks	23,006	28,074	28.465	No		No	No			No	No	No
43-4111	Interviewers, Except Eligibility and Loan	24,234	37.088	43.063	No		No	No	High school diploma or equivalent High school diploma or equivalent		No	No	No
43-4111	Library Assistants, Clerical	24,234	28,902	29,764	No		No	No	Some college, no degree		No No	No	No
43-4131	Loan Interviewers and Clerks	31.814	45.238	55.408	Yes		No	Yes	High school diploma or equivalent		Yes	Yes	Yes
43-4141	New Accounts Clerks	34,977	41,893	45,375	Yes		No	No	High school diploma or equivalent		Yes	No	No
43-4151	Order Clerks	24,665	33.873	36.899	No		No	No	High school diploma or equivalent		No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	31,200	42,194	47.195	Yes		No	No	Associate's degree		No	No	No
43-4171	Receptionists and Information Clerks	21,228	29.180	32.853	No		No	No	High school diploma or equivalent		No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	26,624	42,599	48,579	No		No	No	High school diploma or equivalent		No	Yes	Yes
43-4199	Information and Record Clerks, All Other	28,042	38,876	44,516	No		No	No	High school diploma or equivalent		No	No	No
43-5011	Cargo and Freight Agents	32,570	48,554	59,297	Yes	S	No	Yes	High school diploma or equivalent	١	Yes	Yes	Yes
43-5021	Couriers and Messengers	22,031	31,366	33,415	No		No	No	High school diploma or equivalent	1	No	No	No
43-5031	Public Safety Telecommunicators	28,343	39,929	44,165	No)	No	No	High school diploma or equivalent		Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	24,953	38,634	42,813	No)	No	No	High school diploma or equivalent	1	No	No	No
43-5041	Meter Readers, Utilities	31,064	41,649	44,720	Yes	S	No	No	High school diploma or equivalent	١.	Yes	No	No
43-5051	Postal Service Clerks	39,770	55,064	68,307	Yes	S	Yes	Yes	High school diploma or equivalent	١	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	39,645	56,003	71,344	Yes		Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	56,202	62,774	69,618	Yes	S	Yes	Yes	High school diploma or equivalent	١	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	29,717	47,286	54,427	No		No	No	Some college, no degree		Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	25,842	36,091	39,942	No)	No	No	High school diploma or equivalent	1	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	24,067	33,938	37,295	No		No	No	High school diploma or equivalent		No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	31,955	56,035	72,014	Yes		Yes	Yes	Some college, no degree		Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	30,004	42,536	47,390	No		No	No	Some college, no degree		Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	24.130	34,325	37.144	No		No	No	Some college, no degree		No	No	No

Wages - Workforce Re Way 2022	egion 11	A114	ages (\$) by Occupat	e I	14/ 8	leets or Exceeds All C	Daniel	1		M M	. F d. Fd	tional Level Metric
viay 2022			Average Annual	High-Level Wage	Representativ					sentative	Average Annu	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage		Threshold	Educational Requirement		ng Wage	Wage	Threshold
43-6014 43-9021	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	26,000	37,073	42,455	No	No	No	High school diploma or equivalent	No		No	No
43-9021	Data Entry Keyers Word Processors and Typists	23,717 27,726	32,470 31,345	35,025 31,762	No No	No No	No No	High school diploma or equivalent	No No		No No	No No
43-9022	Desktop Publishers	24,800	48.269	58.330	No	No	Yes	High school diploma or equivalent Associate's degree	No		No	No
43-9041	Insurance Claims and Policy Processing Clerks	30,479	40,362	45,440	No	No	No	High school diploma or equivalent	Yes		No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	24,311	32,301	36,920	No	No	No	High school diploma or equivalent	No		No	No
43-9061	Office Clerks, General	22,415	37,147	44,967	No	No	No	High school diploma or equivalent	No		No	No
43-9071	Office Machine Operators, Except Computer	20,800	29,744	35,360	No	No	No	High school diploma or equivalent	No		No	No
43-9081 43-9111	Proofreaders and Copy Markers Statistical Assistants	27,202 34,205	33,626 44,353	35,218 49,166	No	No No	No No	Bachelor's degree	No		No	No No
43-9111	Office and Administrative Support Workers, All Other	23,520	38,680	43,069	Yes No	No	No No	Bachelor's degree Some college, no degree	No No		No Yes	No No
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	29,382	53,353	66,655	No	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
45-2011	Agricultural Inspectors	34,819	38,696	38,188	Yes	No	No	Bachelor's degree	No		No	No
45-2021	Animal Breeders	26,093	35,932	38,006	No	No	No	High school diploma or equivalent	No		No	No
45-2041	Graders and Sorters, Agricultural Products	21,530	25,379	26,401	No	No	No	No formal educational credential	No		No	No
45-2091 45-2092	Agricultural Equipment Operators	25,311	35,073	37,301	No	No	No	No formal educational credential	Yes		Yes	Yes
45-2092 45-2093	Farmworkers and Laborers, Crop, Nursery, and Greenhouse Farmworkers, Farm, Ranch, and Aquacultural Animals	21,955 25,823	27,173 34,687	28,311 41,517	No No	No No	No No	No formal educational credential No formal educational credential	No Yes		No Yes	No Yes
45-2099	Agricultural Workers, All Other	20,720	34,417	40,436	No	No	No	No formal educational credential	No		Yes	Yes
45-3031	Fishing and Hunting Workers	25,823	34,687	41,517	No	No	No	No formal educational credential	Yes		Yes	Yes
45-4011	Forest and Conservation Workers	31,572	40,764	48,095	Yes	No	No	Postsecondary nondegree award	Yes		No	Yes
45-4021	Fallers	37,764	44,864	50,738	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
45-4022	Logging Equipment Operators	27,559	39,626	46,851	No	No	No	High school diploma or equivalent	No		No	No
45-4023 45-4029	Log Graders and Scalers Logging Workers, All Other	21,530	25,379	26,401	No	No No	No No	High school diploma or equivalent	No		No	No
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	40,137 36,775	43,494 62.971	45,028 75,949	Yes	Yes	Yes	High school diploma or equivalent Some college, no degree	Yes Yes		Yes	No Yes
47-2011	Boilermakers	20.064	45.192	54,983	No	No	No	High school diploma or equivalent	No		Yes	Yes
47-2021	Brickmasons and Blockmasons	30,415	42,351	49,791	No	No	No	High school diploma or equivalent	Yes		Yes	Yes
47-2022	Stonemasons	28,118	44,835	55,668	No	No	Yes	High school diploma or equivalent	Yes		Yes	Yes
47-2031	Carpenters	30,841	43,569	46,973	Yes	No	No	Postsecondary nondegree award	Yes		Yes	No
47-2041 47-2042	Carpet Installers	20,064	32,787	35,941	No	No	No	No formal educational credential	No		Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles Floor Sanders and Finishers	32,565 23,430	43,755 37.957	49,349 47,276	Yes No	No No	No No	No formal educational credential No formal educational credential	Yes Yes		Yes	Yes Yes
47-2044	Tile and Stone Setters	30.321	42,042	45,204	No	No	No	No formal educational credential	Yes		Yes	Yes
47-2051	Cement Masons and Concrete Finishers	28,919	41,018	47,011	No	No	No	No formal educational credential	Yes		Yes	Yes
47-2053	Terrazzo Workers and Finishers	33,887	50,102	55,735	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
47-2061	Construction Laborers	28,240	36,382	39,587	No	No	No	No formal educational credential	Yes		Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	27,646	37,468	40,110	No	No	No	High school diploma or equivalent	No		No	No
47-2072 47-2073	Pile Driver Operators	33,404	46,649 41.260	48,047 44.907	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
47-20/3	Operating Engineers and Other Construction Equipment Operators Drywall and Ceiling Tile Installers	31,356 21,276	41,260	44,907	Yes No	No No	No No	High school diploma or equivalent No formal educational credential	Yes No		No Yes	No Yes
47-2082	Tapers	27,588	40,485	45,443	No	No	No	No formal educational credential	Yes		Yes	Yes
47-2111	Electricians	30,480	43,928	48,219	No	No	No	Postsecondary nondegree award	Yes		Yes	Yes
47-2121	Glaziers	27,467	39,342	45,294	No	No	No	High school diploma or equivalent	No		No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	28,244	41,951	46,610	No	No	No	High school diploma or equivalent	Yes		No	No
47-2132	Insulation Workers, Mechanical	35,121	47,295	49,224	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
47-2141 47-2142	Painters, Construction and Maintenance	28,183	37,751	42,816	No No	No No	No No	No formal educational credential	Yes		Yes	Yes
47-2142	Paperhangers Pipelayers	28,601 32,861	35,671 39,951	42,954 43,836	Yes	No No	No No	No formal educational credential No formal educational credential	Yes Yes		Yes	Yes Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	33,404	45,165	49,527	Yes	No	No	Postsecondary nondegree award	Yes		Yes	Yes
47-2161	Plasterers and Stucco Masons	29,681	41,058	47,043	No	No	No	No formal educational credential	Yes		Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	34,003	45,269	53,140	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
47-2181	Roofers	27,052	39,350	46,013	No	No	No	No formal educational credential	Yes		Yes	Yes
47-2211	Sheet Metal Workers	30,391	41,381	46,181	No	No	No	High school diploma or equivalent	Yes		No	No
47-2221 47-2231	Structural Iron and Steel Workers Solar Photovoltaic Installers	34,195 34,273	47,054 41,932	54,925 45,153	Yes	No No	No No	High school diploma or equivalent	Yes Yes		Yes No	Yes No
47-3011	HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	20,064	33,105	36,810	Yes No	No	No	High school diploma or equivalent No formal educational credential	No		Yes	Yes
47-3012	HelpersCarpenters	26,790	39,434	52,474	No	No	No	No formal educational credential	Yes		Yes	Yes
47-3013	HelpersElectricians	26,153	32,853	35,637	No	No	No	High school diploma or equivalent	No		No	No
47-3014	HelpersPainters, Paperhangers, Plasterers, and Stucco Masons	24,233	29,837	30,160	No	No	No	No formal educational credential	Yes		No	No
47-3015	HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters	28,282	34,170	35,282	No	No	No	High school diploma or equivalent	Yes		No	No
47-3016	HelpersRoofers	28,823	34,967	37,166	No	No	No	No formal educational credential	Yes		Yes	Yes
47-3019 47-4011	Helpers, Construction Trades, All Other Construction and Building Inspectors	26,970 43.942	35,691 58.320	39,424 65.723	No Vec	No Vec	No Yes	No formal educational credential Postsecondary nondegree award	Yes Yes		Yes	Yes
47-4011	Elevator and Escalator Installers and Repairers	43,942 47.063	58,320 81.616	99.374	Yes Yes	Yes Yes	Yes	Postsecondary nondegree award Postsecondary nondegree award	Yes		Yes Yes	Yes Yes
47-4031	Fence Erectors	23,844	34,606	38,608	No	No	No	No formal educational credential	Yes		Yes	Yes
47-4041	Hazardous Materials Removal Workers	29,661	36,322	49,294	No	No	No	High school diploma or equivalent	Yes		No	Yes
47-4051	Highway Maintenance Workers	26,225	35,793	42,024	No	No	No	High school diploma or equivalent	No		No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	43,475	52,899	60,057	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	23,262	42,392	57,200	No	No	Yes	High school diploma or equivalent	No		Yes	Yes
47-4090 47-5011	Miscellaneous Construction and Related Workers	29,894	37,396	43,231	No	No	No	High school diploma or equivalent	Yes		No	No
47-5011 47-5012	Derrick Operators, Oil and Gas Rotary Drill Operators, Oil and Gas	39.491	52,079	54,423	Yes	Yes	No	No formal educational credential	Yes		Yes	Yes
47-5012	Service Unit Operators, Oil and Gas	36.009	52,378	60.230	Yes	Yes	Yes	No formal educational credential	Yes		Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	37,968	48,463	57,200	Yes	No	Yes	High school diploma or equivalent	Yes		Yes	Yes
47-5023	Earth Drillers, Except Oil and Gas	33,617	47,661	49,542	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	51,279	68,362	78,789	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
47-5041	Continuous Mining Machine Operators	26,488	38,826	42,954	No	No	No	No formal educational credential	Yes		Yes	Yes

May 2022	egion 11	Annual W	/ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All O	ccupation Metric		Wage M	eets or Exceeds Educa	tional Level Metric
,	ľ		Average Annual	High-Level Wage	Representative	Average Annua			Representation		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wag	e Wage	Threshold
									ļ. ļ		
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	24.504	20.454	40.447							
47-5049 47-5051	Underground Mining Machine Operators, All Other	34,581 35,594	39,154 64,571	43,417 86.130	Yes	No Yes	No Yes	No formal educational credential No formal educational credential	Yes	Yes Yes	Yes Yes
47-5051	Rock Splitters, Quarry Roustabouts, Oil and Gas	32,999	47.719	58,976	Yes Yes	No Yes	Yes	No formal educational credential	Yes Yes	Yes	Yes
47-5081	HelpersExtraction Workers	28,350	33,877	37,166	No	No	No	High school diploma or equivalent	Yes	No	No
47-5099	Extraction Workers, All Other	26,816	43,243	42.269	No	No	No	High school diploma or equivalent	No No	Yes	No
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	38,153	62,133	74,213	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	31,257	38,961	39,875	Yes	No	No	Postsecondary nondegree award	Yes	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	36,829	56,642	69,394	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	31,524	57,477	77,038	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	47,930	65,651	73,786	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	34,040	42,623	45,371	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	38,662	54,269	61,368	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	36,731	51,884	58,945	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	38,527	73,744	95,429	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	32,035	42,790	46,861	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-2097 49-2098	Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers	47,182 33,961	48,827 49,571	50,117 57,829	Yes	Yes	No Yes	Postsecondary nondegree award	Yes Yes	Yes Yes	Yes Yes
49-3011	Aircraft Mechanics and Service Technicians	35,519	49,571 54.089	59,733	Yes			Postsecondary nondegree award	No	Yes	Yes
49-3021	Automotive Body and Related Repairers	31,920	48,036	53,108	Yes Yes	Yes No	Yes No	Associate's degree Postsecondary nondegree award	Yes	Yes	Yes
49-3021	Automotive Glass Installers and Repairers	32,343	44,633	52,870	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3023	Automotive Glass installers and Repairers Automotive Service Technicians and Mechanics	27,705	44,473	56,561	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	35,402	48,735	56,507	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	29,835	45,925	47,767	No	No	No	High school diploma or equivalent	Yes	Yes	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	31,520	46,457	52,590	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	36,125	51,867	57,674	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	31,760	46,505	54,646	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	28,755	44,372	56,922	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	28,904	40,597	47,826	No	No	No	High school diploma or equivalent	Yes	No	Yes
49-3091	Bicycle Repairers	22,630	35,276	42,134	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	29,498	46,899	59,140	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	26,825	31,241	33,513	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	30,096	44,411	52,436	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	32,039	46,586	49,109	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	29,510	44,709	50,715	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031 49-9041	Home Appliance Repairers Industrial Machinery Mechanics	26,729	41,266	47,903	No	No	No	Postsecondary nondegree award	No	No V	Yes
49-9041	Maintenance Workers, Machinery	32,843 32,054	49,801 52,224	59,509 56,690	Yes Yes	Yes	Yes Yes	Postsecondary nondegree award	Yes Yes	Yes Yes	Yes Yes
49-9044	Millwrights	32,054	52,224	63,712	Yes	Yes	Yes	High school diploma or equivalent Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	25,234	33,443	36,771	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	37,726	69,346	91,050	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	33,552	50,125	58,308	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	38,826	51,597	57,558	Yes	Yes	Yes	Associate's degree	Yes	No	No
49-9062	Medical Equipment Repairers	29,361	41,697	44,720	No	No	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	27,520	40,514	49,706	No	No	No	High school diploma or equivalent	No	No	Yes
49-9064	Watch and Clock Repairers	23,893	28,427	27,733	No	No	No	High school diploma or equivalent	No	No	No
49-9069	Precision Instrument and Equipment Repairers, All Other	38,114	48,986	53,619	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	26,778	37,367	43,369	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	46,591	65,709	76,175	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	22,274	35,564	44,000	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	38,150	51,385	55,041	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	29,163	40,679	45,460	No	No	No	High school diploma or equivalent	Yes	No	No
49-9095	Manufactured Building and Mobile Home Installers	21,086	29,816	37,726	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	26,494	35,920	42,649	No	No	No	High school diploma or equivalent	No	No	No
49-9097 49-9098	Signal and Track Switch Repairers	45,597	61,098	68,989	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	HelpersInstallation, Maintenance, and Repair Workers Installation, Maintenance, and Repair Workers, All Other	26,230	31,807 40.411	34,980 44.657	No No	No No	No No	High school diploma or equivalent	No	No No	No No
		28,222					No Yor	High school diploma or equivalent	Yes	No Voc	No
51-1011 51-2011	First-Line Supervisors of Production and Operating Workers	36,366 31,900	60,655 45,404	76,263 53.873	Yes	Yes No	Yes	Some college, no degree	Yes	Yes	Yes
51-2011 51-2021	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers Coil Winders, Tapers, and Finishers	. ,	-, -	,	Yes		No No	Postsecondary nondegree award	Yes	Yes	Yes
21,5051	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders,	32,064	43,909	46,784	Yes	No	NO	High school diploma or equivalent	Yes	Yes	No
51-2028	Tapers, and Finishers	23.132	37.341	42.981	No	No	No	High school diploma or equivalent	No	No	No
51-2026	Engine and Other Machine Assemblers	32.478	41,932	42,981	Yes	No	No No	High school diploma or equivalent	Yes	No	No
51-2041	Structural Metal Fabricators and Fitters	31,676	38,652	40,635	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-2051	Fiberglass Laminators and Fabricators	28,742	35,636	35,403	No	No	No	High school diploma or equivalent	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters	20,7-12	33,030	33,403	1		***	G. Carrett Experience of Equivalent	1 1		
51-2090	Miscellaneous Assemblers and Fabricators	26,590	34,504	37,117	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	22,790	31,930	36,115	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	26,944	37,519	42,778	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	23,579	35,153	39,402	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	25,678	26,999	28,022	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	24,009	35,739	35,093	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	23,718	34,222	39,072	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	24,221	30,887	34,205	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	20,800	31,361	35,279	No	No	No	No formal educational credential	No	Yes	Yes
	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and										
	Plastic	30,115	39,057	43,301	No	No	No	High school diploma or equivalent	Yes	No	No

Wages - Workforce Re May 2022	legion 11	Δnnual W	ages (\$) by Occupat	ion	Wage Meet	s or Exceeds All C	Occupation Metric		Wage Mee	ts or Exceeds Educ	ational Level Metric
, 2022			Average Annual	High-Level Wage	Representative	Average Annu			Representative		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
								·			
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	29,276	38,671	44,169	No	No	No	High school diploma or equivalent	Yes	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	29,594	40,446	43,687	No	No	No	High school diploma or equivalent	Yes	No	No
	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and										
51-4031	Plastic	27,646	38,518	44,059	No	No	No	High school diploma or equivalent	No	No	No
E4 4022	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20.002	54.000	00.554			.,			.,	
51-4032	****	29,093	54,288	80,651	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	29,613	34,072	38,757	No	No	No	High school diploma or equivalent	Yes	No	No
31 4033	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and	25,015	34,072	30,737	140	140	INO	riigii scriooi dipionia oi equivalent	163	140	110
51-4034	Plastic	26,951	37,562	46.147	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	30,424	40,678	44,546	No	No	No	Postsecondary nondegree award	Yes	No	No
51-4041	Machinists	33,748	40,453	44.937	Yes	No	No	Postsecondary nondegree award	Yes	No	No
51-4051	Metal-Refining Furnace Operators and Tenders	37,774	48.163	49,060	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4052	Pourers and Casters, Metal	28,794	45,018	54,597	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4061	Model Makers, Metal and Plastic	31,890	50,227	58,455	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	26,054	48,742	75,317	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-4071	Foundry Mold and Coremakers	22,456	38,787	53,034	No	No	No	High school diploma or equivalent	No	No	Yes
	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders,			,	-						
51-4072	Metal and Plastic	23,123	36,557	38,587	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	30,096	36,723	37,147	No	No	No	High school diploma or equivalent	Yes	No	No
51-4111	Tool and Die Makers	37,099	55,900	62,350	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	30,146	42,192	46,325	No	No	No	Postsecondary nondegree award	Yes	Yes	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	29,298	40,172	47,403	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	24.077	39.337	45,723	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	32,758	46,089	50,787	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	26.588	38.381	44.874	No	No	No	High school diploma or equivalent	No.	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	26,565	35,546	37,523	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	27,539	39,143	49,920	No	No	No	High school diploma or equivalent	No	No	Yes
51-5111	Prepress Technicians and Workers	29,120	41,223	47,313	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	23,644	34,707	37,728	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	29,372	38.698	44.106	No.	No	No	High school diploma or equivalent	Yes	No	No.
51-6011	Laundry and Dry-Cleaning Workers	21,166	25,462	28.324	No	No	No	No formal educational credential	No.	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	22,996	27,626	28.456	No	No	No	No formal educational credential	Yes	No	No
51-6031	Sewing Machine Operators	21,635	30.584	34.895	No	No	No	No formal educational credential	No.	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	25,918	34,328	37,200	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	25,510	34,320	37,200	NO	140	NO	riigii scriooi dipiona oi equivalent	140	140	110
51-6051	Sewers, Hand	21,270	28,745	29,305	No	No	No	No formal educational credential	No	No	No
51-6052	Tailors, Dressmakers, and Custom Sewers	27,588	34.128	35.874	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	22,263	26,662	27,250	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	26,768	32.006	35.121	No	No	No	High school diploma or equivalent	No.	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	26,623	30,617	33,337	No	No	No	High school diploma or equivalent	No	No	No
31-0003	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and	20,023	30,017	33,337	NO	140	NO	riigii scriooi dipiona oi equivalent	140	140	110
51-6064	Tenders	22.446	32,401	36.829	No	No	No	High school diploma or equivalent	No	No	No
31 0004	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and	22,440	32,401	30,023	140	140	NO	riigii scriooi dipiona oi equivalent	IVO	140	140
51-6091	Glass Fibers	32.594	56,787	80,767	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	26,054	48,742	75,317	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6093	Upholsterers	27.067	36,674	41.372	No.	No	No	High school diploma or equivalent	No.	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	26,392	32,961	36,761	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	29,985	38,290	42,857	No	No	No		Yes	No	No
51-7021	Furniture Finishers	34,887	44,823	44,407	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-7021	Model Makers, Wood	34,007	44,023	44,407	ies	INU	NO	High school diploma or equivalent	res	162	INU
51-7032	Patternmakers, Wood										
51-7041		25.234	33,443	36.771	No	No	No	High school diploma or equivalent	No	No	No
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood Woodworking Machine Setters, Operators, and Tenders, Except Sawing	25,234	33,443	36,771 37.176	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing Woodworkers, All Other	25,147	33,212	37,176	No	No	No	High school diploma or equivalent High school diploma or equivalent	No No	No	No No
51-7099	Nuclear Power Reactor Operators	26,565 46.832	73.889	93.548							
51-8011				93,548	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers Power Plant Operators	51,771 32,798	85,619 58.870	72,954	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	·	46,533	60,770	65,709	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021 51-8031	Stationary Engineers and Boiler Operators Water and Wasterwater Treatment Plant and System Operators	46,533 35,592	60,770 47,427	65,709 57,520	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators Chamical Plant and System Operators				Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091 51-8092	Chemical Plant and System Operators	40,359	59,787	64,725	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-8092 51-8093	Gas Plant Operators Patrolaum Pump System Operators Refinent Operators and Gaugers	33,347 46,764	50,275 60,693	60,790 76.474	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Petroleum Pump System Operators, Refinery Operators, and Gaugers Plant and System Operators, All Other	46,764 38.912	60,693 55.861	76,474 62.622	Yes	Yes	Yes	High school diploma or equivalent	Yes Yes	Yes	Yes
			,	. , .	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	27,830	45,418	45,242	No	No	No	High school diploma or equivalent	No	Yes	No
E1 0013	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,	24.522	44.075					1	1 1		
51-9012	Operators, and Tenders	24,532	41,372	51,574	No	No	No	High school diploma or equivalent	No	No	Yes
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	27,192	40,051	45,346	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	27,472	34,311	37,311	No	No	No	No formal educational credential	Yes	Yes	Yes
F4 0022	Mixing and Blending Machine Setters, Operators, and Tenders	28,531	38,838	46,743	No	No	No	High school diploma or equivalent	Yes	No	No
51-9023		21,173	34,398	38,642 42,848	No	No	No	No formal educational credential	No	Yes	Yes
51-9031	Cutters and Trimmers, Hand			42 848	No	No	No	High school diploma or equivalent	No	No	No
	Cutting and Slicing Machine Setters, Operators, and Tenders	27,617	37,427	42,040			140	0		110	
51-9031 51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and										
51-9031 51-9032 51-9041	Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	26,739	36,867	43,581	No	No	No	High school diploma or equivalent	No	No	No
51-9031 51-9032 51-9041 51-9051	Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	26,739 29,585	36,867 37,890	43,581 42,530	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	Yes	No No	No No
51-9031 51-9032 51-9041 51-9051 51-9061	Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders Inspectors, Testers, Sorters, Samplers, and Weighers	26,739 29,585 29,486	36,867 37,890 41,944	43,581 42,530 46,966	No No No	No No No	No No	High school diploma or equivalent High school diploma or equivalent Postsecondary nondegree award	Yes Yes	No No Yes	No No No
51-9031 51-9032 51-9041 51-9051	Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	26,739 29,585	36,867 37,890	43,581 42,530	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	Yes	No No	No No

Wages - Workforce Region 11

May 2022		Annual W	/ages (\$) by Occupa	tion	Wage Mee	s or Exceeds All Occu	pation Metric		Wage Meets	or Exceeds Education	nal Level Metric
		Representative	Average Annual	High-Level Wage	Representative	Average Annual	High-Level Wage		Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
									ļ		
51-9082	Medical Appliance Technicians	27,162	31,801	34,441	No	No	No	Postsecondary nondegree award	No	No	No
51-9083	Ophthalmic Laboratory Technicians	26,880	31,427	34,042	No	No	No No	High school diploma or equivalent	No No	No	No
51-9111 51-9123	Packaging and Filling Machine Operators and Tenders	20,800	32,436	35,841	No No	No No	No No	High school diploma or equivalent	No No	No	No No
51-9124	Painting, Coating, and Decorating Workers Coating Painting and Spraying Machine Setters, Operators, and Tenders	22,928	31,551	38,764				High school diploma or equivalent	+ + -	No	
51-9141	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	30,160	41,641	44,733	No	No	No No	High school diploma or equivalent	Yes	No	No
51-9151	Semiconductor Processing Technicians Photographic Process Workers and Processing Machine Operators	36,732 22,582	46,224 34,147	49,021 36,771	Yes No	No No	No No	High school diploma or equivalent	Yes No	Yes No	Yes No
51-9161	Computer Numerically Controlled Tool Operators	30,668	39,698	44,960	No	No	No	High school diploma or equivalent Postsecondary nondegree award	Yes	No	No
51-9162	Computer Numerically Controlled Tool Programmers	43.152	57,806	62,950	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	22,446	32,401	36,829	No	No	No	High school diploma or equivalent	No.	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	25,138	34,784	45,597	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	26,633	44,141	47,015	No	No	No	High school diploma or equivalent	No	Yes	No
51-9194	Etchers and Engravers	28,196	33,626	37,060	No	No	No	High school diploma or equivalent	Yes	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	29,021	38,863	44,551	No	No	No	High school diploma or equivalent	Yes	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	28,147	42,906	50,546	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9197	Tire Builders	28,012	36,250	39,173	No	No	No	High school diploma or equivalent	No	No	No
51-9198	HelpersProduction Workers	24,004	31,931	36,105	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	28,422	36,316	37,066	No	No	No	High school diploma or equivalent	Yes	No	No
53-1041	Aircraft Cargo Handling Supervisors	36,520	55,070	60,076	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
	First-Line Supervisors of Transportation and Material Moving Workers, Except										
53-1047	Aircraft Cargo Handling Supervisors	34,974	51,075	60,965	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	105,075	261,139	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	52,881	74,815	84,210	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	77,130	121,888	151,685	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	77,130	121,888	151,685	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	33,964	66,828	76,310	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	24,839	29,575	31,398	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	20,800	32,932	39,106	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	30,488	43,702	47,875	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	22,910	42,277	45,600	No	No	No	High school diploma or equivalent	No	Yes	No
53-3051	Bus Drivers, School	29,490	33,599	34,083	No	No	No	High school diploma or equivalent	Yes	No	No
53-3052	Bus Drivers, Transit and Intercity	29,208	33,359	35,556	No	No	No	High school diploma or equivalent	Yes	No	No
53-3053 53-3054	Shuttle Drivers and Chauffeurs	23,440 20.131	28,677 30,568	29,818 30,810	No No	No No	No No	High school diploma or equivalent	No No	No Yes	No No
53-3054	Taxi Drivers	20,131	26,758	29,533	No No	No No	No No	No formal educational credential	No No	Yes No	No No
53-4011	Motor Vehicle Operators, All Other Locomotive Engineers	20,800	66.307	71,632			Yes	High school diploma or equivalent	Yes		Yes
53-4011	Rail Yard Engineers. Dinkey Operators, and Hostlers	31,060	52.070	71,632 50.160	Yes Yes	Yes Yes	No.	High school diploma or equivalent	Yes	Yes Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	37,745	57,076	59,700	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	61.127	68,999	71,680	Yes	Yes	Yes	High school diploma or equivalent High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	28,186	40,282	50,594	No.	No	No	High school diploma or equivalent	Yes	No	Yes
53-4099	Rail Transportation Workers, All Other	39,800	40,465	39,809	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-5011	Sailors and Marine Oilers	28.089	43.928	48.462	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-5021	Captains, Mates, and Pilots of Water Vessels	34,495	65,744	81,880	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	27,482	43,822	51,356	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	70,002	94,812	105,519	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	23,228	30,906	35,093	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	20,942	27,479	29,560	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	23,872	30,575	35,149	No	No	No	No formal educational credential	Yes	Yes	Yes
53-6032	Aircraft Service Attendants	28,745	35,662	36,038	No	No	No	High school diploma or equivalent	Yes	No	No
53-6041	Traffic Technicians	29,124	45,054	49,438	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	38,777	82,484	104,062	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	20,527	31,437	36,742	No	No	No	High school diploma or equivalent	No	No	No
53-6099	Transportation Workers, All Other	20,800	33,302	44,516	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	28,495	33,404	34,543	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7021	Crane and Tower Operators	35,353	61,069	74,256	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	34,446	45,655	47,546	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
53-7041	Hoist and Winch Operators	31,118	48,761	49,967	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	28,324	36,217	38,860	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	21,663	30,011	32,787	No	No	No	No formal educational credential	No	Yes	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	23,499	32,368	36,483	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	28,012	36,250	39,173	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7064	Packers and Packagers, Hand	22,094	24,326	24,627	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	24,805	31,450	33,825	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	29,614	35,324	32,816	No	No	No	High school diploma or equivalent	Yes	No	No
53-7072	Pump Operators, Except Wellhead Pumpers	31,659	44,526	49,986	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7073	Wellhead Pumpers	29,614	35,324	32,816	No	No	No	High school diploma or equivalent	Yes	No	No
53-7081	Refuse and Recyclable Material Collectors	28,330	39,000	46,637	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	41,825	58,291	59,188	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
53-7199	Material Moving Workers, All Other	27,231	36,655	38,372	No	No	No	No formal educational credential	Yes	Yes	Yes

 $[\]ensuremath{^{*}}$ indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

Summary - Workforce Region 11

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
_	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	30,724	48,791	55,326	820
No formal educational credential	22,590	29,910	32,711	83
High school diploma or equivalent	28,061	42,070	47,818	234
Some college, no degree	27,088	38,671	43,656	49
Postsecondary nondegree award	29,475	41,942	47,606	89
Associate's degree	37,911	52,968	59,394	68
Bachelor's degree	43,050	78,437	91,570	182
Master's degree	48,944	78,959	92,655	42
Doctoral or professional degree	51,552	126,738	134,605	73

	Representative	Starting Wage	Average Ar	nual Wage	High-Level Wage Thresho			
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric		
All Occupations	438	382	454	366	449	371		
No formal educational credential	40.96%	59.04%	27.71%	72.29%	31.33%	68.67%		
High school diploma or equivalent	54.70%	45.30%	70.51%	29.49%	72.22%	27.78%		
Some college, no degree	32.65%	67.35%	28.57%	71.43%	26.53%	73.47%		
Postsecondary nondegree award	33.71%	66.29%	30.34%	69.66%	33.71%	66.29%		
Associate's degree	63.24%	36.76%	51.47%	48.53%	44.12%	55.88%		
Bachelor's degree	59.34%	40.66%	64.84%	35.16%	62.09%	37.91%		
Master's degree	78.57%	21.43%	61.90%	38.10%	57.14%	42.86%		
Doctoral or professional degree	63.01%	36.99%	63.01%	36.99%	60.27%	39.73%		

May 2022		Annual W	/ages (\$) by Occupat	ion	Wage Meet	ts or Exceeds All O	Occupation Metric		$\neg \neg$	Wage Meets	or Exceeds Educati	ional Level Metric
Occupational Code			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annua	
occupational code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
11-1011	Chief Executives	85,505	296,205	*	Yes	Yes	Yes*	Bachelor's degree		Yes	Yes	Yes*
11-1021	General and Operations Managers	44,174	115,449	139,646	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-1031	Legislators	28,184	83,180	107,954	No	Yes	Yes	Bachelor's degree		No	No	Yes
11-2011	Advertising and Promotions Managers	50,091	127,419	168,227	Yes	Yes	Yes	Bachelor's degree	\perp	Yes	Yes	Yes
11-2021	Marketing Managers	77,426	160,070	206,893	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2022 11-2032	Sales Managers Public Relations Managers	56,548 60,052	140,519 111.945	169,075 131.638	Yes	Yes	Yes	Bachelor's degree	\dashv	Yes	Yes	Yes
11-2032	Fundraising Managers	61,126	111,945	142,151	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes Yes
11-3012	Administrative Services Managers	54,995	110,736	148.075	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3013	Facilities Managers	52,427	97,203	120,994	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	97.846	159.218	176,696	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
11-3031	Financial Managers	77,459	161,352	194,990	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3051	Industrial Production Managers	63,399	117,650	137,453	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3061	Purchasing Managers	76,591	137,561	166,121	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	49,644	109,832	130,364	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	74,268	119,539	146,104	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3121	Human Resources Managers	75,571	126,101	147,011	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3131	Training and Development Managers	64,669	113,766	135,621	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	41,994	116,048	163,849	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-9021	Construction Managers	61,007	118,017	131,699	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9031 11-9032	Education and Childcare Administrators, Preschool and Daycare	30,663	48,739	58,945	No	No	No	Bachelor's degree	!	No	No	No
11-9032 11-9033	Education Administrators, Kindergarten through Secondary Education Administrators, Postsecondary	53,075 61,175	85,991 97,846	99,630 101.270	Yes	Yes	Yes Yes	Master's degree	\dashv	Yes	Yes	Yes Yes
11-9033	Education Administrators, Postsecondary Education Administrators, All Other	61,175	97,846 81.166	101,270 110.094	Yes			Master's degree	+	Yes	Yes No	
11-9039	Architectural and Engineering Managers	103,485	167,220	196,567	Yes Yes	Yes	Yes Yes	Master's degree Bachelor's degree		No Yes	Yes	Yes Yes
11-9051	Food Service Managers	44,374	74.222	81.490	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
11-9071	Gambling Managers	60,718	116,554	117,785	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
11-9072	Entertainment and Recreation Managers, Except Gambling	38,657	74.268	82,248	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9081	Lodging Managers	36,837	97,488	124.146	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-9111	Medical and Health Services Managers	60,868	114.206	129,222	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
11-9121	Natural Sciences Managers	52,509	118,115	132,542	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	76.398	90.901	98.426	Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	37,740	80,326	81,022	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9151	Social and Community Service Managers	42,087	74,974	86,070	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9161	Emergency Management Directors	50,018	87,844	108,695	Yes	Yes	Yes	Bachelor's degree		Yes	No	Yes
11-9171	Funeral Home Managers	49,053	88,454	84,009	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
11-9179	Personal Service Managers, All Other	47,899	75,150	94,427	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9199	Managers, All Other	62,038	120,995	149,007	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	29,513	94,668	154,235	No	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-1020	Buyers and Purchasing Agents	37,584	70,121	83,877	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	41,993	70,333	81,436	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	48,199	68,988	78,203	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
13-1041 13-1051	Compliance Officers	34,549	65,217	81,661	Yes	Yes	Yes	Bachelor's degree	\perp	No	No	No
	Cost Estimators	38,994	69,983	82,396	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1071 13-1074	Human Resources Specialists	37,231	63,733 87,406	77,665 122,114	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1075	Farm Labor Contractors Labor Relations Specialists	23,785 45,961	73,972	122,114 83,416	No Yes	Yes Yes	Yes	No formal educational credential Bachelor's degree	\dashv	Yes No	Yes No	Yes No
13-10/5	Logisticians	41,706	74,469	90,958	Yes	Yes	Yes Yes			No	No	No
13-1081	Project Management Specialists	41,700	74,469 94.144	117.350	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
13-1111	Management Analysts	43,551	91,889	106,138	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	32,060	56.849	71.019	No.	Yes	Yes	Bachelor's degree		No	No.	No.
13-1131	Fundraisers	34,773	57,513	72,592	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	38.711	66.986	82.413	Yes	Yes	Yes	Bachelor's degree	-	No	No	No
13-1151	Training and Development Specialists	32,935	67,828	81,852	No	Yes	Yes	Bachelor's degree		No	No	No
13-1161	Market Research Analysts and Marketing Specialists	36,846	71,261	85,289	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1199	Business Operations Specialists, All Other	37,308	72,996	88,269	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2011	Accountants and Auditors	42,292	81,066	95,390	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2020	Property Appraisers and Assessors	36,742	67,672	77,624	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2031	Budget Analysts	47,964	76,443	90,660	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2041	Credit Analysts	50,196	79,384	90,564	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
13-2051	Financial and Investment Analysts	51,798	86,352	100,173	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
13-2052	Personal Financial Advisors	37,137	102,617	109,815	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-2053	Insurance Underwriters	43,250	73,285	86,612	Yes	Yes	Yes	Bachelor's degree	[No	No	No
13-2054	Financial Risk Specialists	55,330	100,754	119,995	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-2061	Financial Examiners	43,451	67,548	80,843	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2071	Credit Counselors	35,349	49,332	51,489	Yes	No	No	Bachelor's degree	!	No	No	No
13-2072	Loan Officers	29,635	70,437	80,839	No	Yes	Yes	Bachelor's degree		No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	29,536	56,840	75,026	No No	Yes	Yes	Bachelor's degree	\dashv	No	No	No
13-2082	Tax Preparers Financial Specialists, All Other	28,046	43,307	47,229	No	No	No Vos	Postsecondary nondegree award	+	No	No	No No
12 2000	Financial Specialists, All Other	36,540 55,498	64,887 102.182	80,307 122.817	Yes Yes	Yes	Yes	Bachelor's degree		No Yes	No Yes	No
13-2099	Computer Systems Analysts Information Security Analysts	55,498 62,911	102,182 112,815	122,817 136,852		Yes	Yes Yes	Bachelor's degree	\dashv	Yes	Yes	Yes Yes
15-1211	Information Security Analysis	62,911 80,922	112,815	136,852	Yes Yes	Yes	Yes	Bachelor's degree Master's degree	+	Yes	Yes	Yes
15-1211 15-1212	Computer and Information Research C-1					res	res					162
15-1211 15-1212 15-1221	Computer and Information Research Scientists	,	,	,								V
15-1211 15-1212 15-1221 15-1231	Computer Network Support Specialists	42,765	69,755	83,433	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1211 15-1212 15-1221 15-1231 15-1232	Computer Network Support Specialists Computer User Support Specialists	42,765 35,030	69,755 55,658	83,433 63,906	Yes Yes	Yes Yes	Yes Yes	Associate's degree Postsecondary nondegree award		Yes Yes	Yes Yes	Yes
15-1211 15-1212 15-1221 15-1231	Computer Network Support Specialists	42,765	69,755	83,433	Yes	Yes	Yes	Associate's degree		Yes	Yes	

Wages - Workforce Re Way 2022	egion 12	Annual M	ages (\$) by Occupat	tion	Wage Meet	ts or Evenode All (Occupation Metric	T		Wago Moots	or Exceeds Educati	anal Laval Matris
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annual	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
15-1244 15-1251	Network and Computer Systems Administrators	52,501	90,932	106,701	Yes	Yes	Yes	Bachelor's degree		Yes	No	Yes
15-1251	Computer Programmers Software Developers	54,088 64.520	92,691 113,838	104,750 136,787	Yes Yes	Yes Yes	Yes Yes	Bachelor's degree Bachelor's degree	-	Yes	Yes	No Yes
15-1252	Software Developers Software Quality Assurance Analysts and Testers	49.682	88.308	107.222	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	-	Yes	No Yes	Yes
15-1254	Web Developers	47,585	100.540	127,431	Yes	Yes	Yes	Associate's degree	1 1	Yes	Yes	Yes
15-1255	Web and Digital Interface Designers	44,687	83.666	99.960	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1299	Computer Occupations, All Other	45,624	98,124	126,539	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
15-2011	Actuaries	84,233	130,858	131,527	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2021	Mathematicians	39,363	93,537	128,629	Yes	Yes	Yes	Master's degree		No	Yes	Yes
15-2031	Operations Research Analysts	41,491	90,923	122,658	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
15-2041	Statisticians	40,716	84,225	101,529	Yes	Yes	Yes	Master's degree		No	Yes	Yes
15-2051	Data Scientists	57,189	91,613	111,157	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2099	Mathematical Science Occupations, All Other	40,072	82,486	99,914	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1011	Architects, Except Landscape and Naval	49,211	94,024	103,443	Yes	Yes	Yes	Bachelor's degree		No	Yes	No
17-1012	Landscape Architects	40,547	65,031	75,380	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1021	Cartographers and Photogrammetrists	47,578	63,990	76,983	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1022 17-2011	Surveyors	37,607	68,581	85,477	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2011	Aerospace Engineers Agricultural Engineers	77,660	122,615	161,809 109.754	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2021	Bioengineers and Biomedical Engineers	46,104 49,043	85,280 88,494	102,930	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	+ - 1	No No	No No	Yes No
17-2031	Chemical Engineers	66,307	107,393	132,103	Yes	Yes	Yes	Bachelor's degree	+ - 1	Yes	Yes	Yes
17-2041	Civil Engineers	61,395	97,519	120,159	Yes	Yes	Yes	Bachelor's degree	1-1	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	80.458	119,274	139,115	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
17-2001	Electrical Engineers	62.174	105.291	131,217	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	76,034	104,220	122,678	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2081	Environmental Engineers	35,612	81,579	103,398	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	51,971	80,241	100,002	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2112	Industrial Engineers	63,935	99,366	123,057	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	74,862	93,097	95,472	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
17-2131	Materials Engineers	59,886	94,938	113,992	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2141	Mechanical Engineers	60,488	97,460	117,900	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	45,701	95,190	107,068	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
17-2161	Nuclear Engineers	79,809	115,029	124,673	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2171	Petroleum Engineers	66,130	129,200	155,002	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2199	Engineers, All Other	60,580	103,645	124,959	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	38,065	56,421	66,430	Yes	Yes	Yes	Associate's degree		No	No	Yes
17-3012	Electrical and Electronics Drafters Mechanical Drafters	46,259	54,086	59,895	Yes	No	No	Associate's degree		Yes	No	No
17-3013 17-3019	Mechanical Drafters Drafters, All Other	38,015	65,142	80,194	Yes	Yes	Yes	Associate's degree	-	No	Yes	Yes
17-3019	Aerospace Engineering and Operations Technologists and Technicians	39,996 35.761	55,607 76,896	61,507 105.139	Yes	Yes	No	Associate's degree		Yes	No	No
17-3021	Civil Engineering Technologists and Technicians Civil Engineering Technologists and Technicians	35,761	76,896 56,546	69,646	Yes Yes	Yes	Yes Yes	Associate's degree Associate's degree		No No	Yes No	Yes Yes
17-3022	Electrical and Electronic Engineering Technologists and Technicians	37,878	59,935	73,407	Yes	Yes	Yes	Associate's degree	+ - 1	No	Yes	Yes
17-3023	Electro-Mechanical and Mechatronics Technologists and Technicians	40,270	69,607	78,325	Yes	Yes	Yes	Associate's degree	-	Yes	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	30,677	42,600	48,023	No	No	No	Associate's degree	1 1	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	45,400	60,603	65,749	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	43,874	60,358	67,350	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3028	Calibration Technologists and Technicians	43,269	64,355	82,644	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3029	Engineering Technologists and Technicians, Except Drafters, All Other	37,837	59,649	70,587	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3031	Surveying and Mapping Technicians	30,425	45,262	49,859	No	No	No	Associate's degree		No	No	No
19-1011	Animal Scientists	36,726	80,340	119,782	Yes	Yes	Yes	Master's degree		No	No	Yes
19-1012	Food Scientists and Technologists	37,188	76,119	100,537	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1013	Soil and Plant Scientists	39,849	59,586	72,834	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1021	Biochemists and Biophysicists	47,350	102,139	144,460	Yes	Yes	Yes	Doctoral or professional degree	1 1	No	No	No
19-1022	Microbiologists	36,400	49,188	51,645	Yes	No	No	Master's degree	1 1	No	No	No
19-1023	Zoologists and Wildlife Biologists	34,798	48,833	52,645	Yes	No	No	Master's degree	1 1	No	No	No
19-1029	Biological Scientists, All Other	40,621	58,719	64,023	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No No
19-1031 19-1032	Conservation Scientists Foresters	30,286 34,277	53,385 54,717	68,411 64.153	No Yes	No No	Yes Yes	Bachelor's degree	1 1	No No	No No	No No
19-1041	Epidemiologists	78,459	54,717 88.844	99,642	Yes	Yes	Yes	Bachelor's degree Doctoral or professional degree	1 1	Yes	No	No No
19-1041 19-1042	Epidemiologists Medical Scientists, Except Epidemiologists	78,459 56,869	88,844 117,449	99,642 131,004	Yes	Yes	Yes	Bachelor's degree	+	Yes	No Yes	No Yes
19-1042	Life Scientists, All Other	37,291	49.378	37,293	Yes	No.	No No	Bachelor's degree Bachelor's degree	1 1	No	No Yes	No Yes
19-1099	Astronomers	37,291 76,660	49,378 156,803	219,962	Yes	Yes	Yes	Doctoral or professional degree	1 1	Yes	Yes	Yes
19-2012	Physicists	61,688	148.578	219,962	Yes	Yes	Yes	Doctoral or professional degree	1 1	No.	No.	Yes
19-2021	Atmospheric and Space Scientists	60,986	88,540	124,488	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	No	Yes
19-2031	Chemists	40,207	73,684	90,142	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
19-2032	Materials Scientists	97,269	121,741	136,083	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	37,440	65,419	76,821	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	49,528	82,537	100,533	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2043	Hydrologists	43,334	65,082	75,458	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2099	Physical Scientists, All Other	45,258	109,447	186,223	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
19-3011	Economists	54,725	90,730	120,478	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
19-3022	Survey Researchers	37,424	95,616	190,288	Yes	Yes	Yes	Master's degree		No	Yes	Yes
19-3032	Industrial-Organizational Psychologists	73,245	126,051	152,532	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	No
19-3033	Clinical and Counseling Psychologists	46,527	88,426	109,797	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3034	School Psychologists	50,891	76,684	85,477	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3039	Psychologists, All Other	81,994	106,475	122,678	Yes	Yes	Yes	Doctoral or professional degree	1 1	Yes	No	No
19-3041	Sociologists	28,883	57,765	50,040	No	Yes	No	Master's degree	1 .	No	No	No
19-3051	Urban and Regional Planners	48,353	75,148	86,610	Yes	Yes	Yes	Master's degree		No	No	No

Name Companison Companiso	Representative Avera	No No Yes Yes No No No No No No No
Starting Wage 19 Wage 19 Wage 19 Wage 19 Wage	Starting Wage Wage	No
19.909 Geographers	Yes	No Yes Yes No No No No No
19-1002 Geographens	Yes	No Yes Yes No No No No No
19-3090	No	Yes Yes No No No No No No No No No
19.3999	No	Yes No No No No No No
19-3093 Sould Sciented Workers, Alf Other 65,000 84,900 89,939 Ves Ves Ves 8 Bachelor's orgene 19-4012 40,000 41,0	Yes No No No No No No No N	No No No No No No
194013 Food Scienter Exchinicians 33,534 44,280 43,388 No No No No Associativ degree 194011 Chemical Exchinicians 29,485 41,311 47,27 No No No No Associativ degree 194011 Chemical Exchinicians 29,485 41,311 47,77 No No No No Associativ degree 194011 Chemical Exchinicians 29,485 42,277 40,77 No No No No Associativ degree 194011 Chemical Exchinicians 29,485 42,277 40,77 No No No No No No No No Associativ degree 194014 Phylodogic Technicians 33,207 42,277 40,77 No No No No No No No No No 40,000 4	No	No No No No
19-4021 Biological Technicians 29-455 41,311 47,872 No No No No Associate's degree 19-4022 Environmental Science and Protection Technicians 33,302 46,808 53,539 No No No No No Associate's degree 19-4042 Environmental Science and Protection Technicians 28,457 42,217 48,277 No No No No No Associate's degree 19-4044 Hydrologic Technicians 11,558 40,062 43,772 No No No No No Associate's degree 19-4044 Hydrologic Technicians 34,128 57,071 75,008 Yes Yes Yes Associate's degree 19-4044 Hydrologic Technicians 32,708 40,269 73,371 Tropic Technicians 40,262 40,272 No	No	No No No No
19-4021 Chemical Febricians 33.022 84.080 33.039 No No No Associate's degree 19-4093 Geological Technicians, Including Health 28.547 No	No	No No No
19-4092 Environmental Science and Protection Technicians, Including Health 28,547 42,777 No No No No Associatés degree 19-4044 Hydrologic Technicians 31,156 40,062 43,772 No No No No No Associatés degree 19-4044 Hydrologic Technicians 38,478 57,071 75,006 Yes Yes Yes Associatés degree 19-4044 Hydrologic Technicians 38,478 62,2496 79,377 Yes Yes Yes Associatés degree 19-4047 Yes Yes Y	No	No No
19-4048 Geological Technicians, Except Hydrologic Technicians 34,126 40,002 43,772 No No Associate's degree 19-4051 Nuclear Technicians 34,278 62,499 79,337 Yes Yes Yes Associate's degree 19-4051 Nuclear Technicians 38,478 62,499 79,337 Yes Yes Yes Associate's degree 19-4071 Forest and Conservation Technicians 35,707 49,299 38,157 Yes No No No Bachelor's degree 19-4071 Forest and Conservation Technicians 35,707 49,299 38,157 Yes No No No Associate's degree 19-5011 Ozcupational Health and Sistely Spacialists 38,286 70,390 85,787 Yes Yes	No No No No No No Yes	No
194044 Hydrologic Technicians	No	
19-4051 Nauckar Technicians	No Yes No No No No No No No No No No	Yes
19-4072 Forest and Conservation Technicians 19-702 49,296 58,137 Ves No No Associate's Gegree 19-4099 Uffe, Physical, and Social Solence Technicians, All Other 27,040 50,028 56,659 No No No Bachelor's Gegree 19-5011 Occupational Health and Selfey Fechnicians 40,218 62,981 74,214 Ves Ves Ves Pes Pe	No No No No No No	Yes
19-4092 Forensic Science Technicians 36,150 52,150 61,651 Ves No No Barbelor's degree 19-5011 Ozcupational Health and Safety Specialists 38,286 70,930 85,737 Ves Ves Ves Ves Barbelor's degree 19-5012 Ozcupational Health and Safety Specialists 38,286 70,930 85,737 Ves Ves Ves Ves Barbelor's degree 19-5012 Ozcupational Health and Safety Fechnicians 40,218 62,981 74,214 Ves Ves Ves Ves Postscondary nondegra 74,214 Ves	No No	No
1469 99 Life, Physical, and Social Soc	No No	No
19-5011 Occupational Health and Safety Specialists		No No
19-5012 Cocupational Health and Safety Technicians 40,218 62,981 74,214 Yes Yes No No No Matter's degree 12-1012 Educational, Guidance, and Career Counselors and Advisors 36,421 52,187 85,556 Yes No No No Matter's degree 12-1015 Marriage and Family Therapits 20,800 43,688 46,974 No No No No Matter's degree 12-1015 Marriage and Family Therapits 20,800 43,688 46,974 No No No No Matter's degree 12-1018 Substance Abuse, Behavioral Disorder, and Mental Health Counselors 33,377 54,764 64,236 Yes No No No No Matter's degree 12-1019 Counselors, 101 Other 30,020 43,119 44,604 No No No No Matter's degree 12-1019 Counselors, 101 Other 30,020 43,119 44,604 No No No No Matter's degree 12-1019 Healthcare Couls Workers 36,842 53,776 62,623 Yes No Yes Matter's degree 12-1022 Healthcare Couls Workers 36,842 53,776 62,623 Yes No No No Mo Matter's degree 12-1022 Mental Health and Substance Abuse Social Workers 30,311 46,563 53,876 No No No No Matter's degree 12-1029 Social Workers, 101 Other 38,077 56,255 72,211 Yes Yes Yes 94,000 Matter's degree 12-1029 Health Education Specialists 31,200 63,265 85,014 No Yes Yes Bachelor's degree 12-1029 Probation Officers and Correctional Treatment Specialists 32,282 41,388 48,069 No No No No 82,000 Matter's degree 12-1029 No No No No 82,000 No No No No 82,000 No No No No 83,000 No No No No 83,000 No No No No No 83,000 No No No No No 83,000 No	No No	No
Educational, Guidance, and Career Courselors and Advisors 36,421 52,187 58,556 Ves No No Master's degree		Yes
21-1015 Rehabilitation Courselors 20,800 43,648 46,974 No No No No Master's degree	No No	No
21-1018 Substance Abuse, Behavioral Disorder, and Mental Health Courselors 33,377 54,764 64,236 Ves No Yes Bachelor's degree	No No	No
21-1019 Counselors, All Other 30,020 43,119 44,604 No	No No	No
21-1021	No No	No
21-1022 Healthcare Social Workers S6,432 S3,776 62,623 Yes No Yes Master's degree Mental Health and Substance Abuse Social Workers 30,311 46,563 53,876 No No No No Bachelor's degree 21-1029 Social Workers, All Other S8,077 56,285 72,821 Yes Yes Yes Bachelor's degree 21-1092 Probation Officers and Correctional Treatment Specialists 31,200 63,265 85,014 No Yes Yes Wes Wes Bachelor's degree 21-1092 Probation Officers and Correctional Treatment Specialists 32,282 41,838 48,069 No No No No No No No N	No No No	No No
1-1023 Mental Health and Substance Abuse Social Workers 30,311 46,563 53,876 No No No Bachelor's degree	No No	No
21-1029	No No	No
21-1092	No No	No
21-1093 Social and Human Service Assistants 27,526 39,350 45,721 No No No No Some college, no degree	No No	No
21-1094 Community Health Workers 31,017 45,732 59,987 No No No Bachelor's degree 29,120 47,997 51,249 No No No No Bachelor's degree 21-2011 Clergy 32,414 57,737 63,635 No Yes Yes Master's degree 21-2021 Directors, Religious Activities and Education 27,921 61,218 75,895 No Yes Yes Bachelor's degree 21-2021 Directors, Religious Activities and Education 27,921 61,218 75,895 No No No Yes Yes Bachelor's degree 21-2011 Lawyers 29,566 48,505 63,992 No No No Yes Yes Bachelor's degree 23-1011 Lawyers 23-1012 Judicial Law Clerks 37,158 45,160 45,808 175,999 Yes Yes Yes Doctoral or professional 23-1021 Judicial Law Clerks 37,158 45,160 45,802 Yes No No No Doctoral or professional 23-1022 Arbitrators, Mediators, and Charlistors 32,973 60,266 68,013 No Yes Yes Bachelor's degree 23-1021 Judicial Law Clerks 32,973 60,266 68,013 No Yes Yes Pes Doctoral or professional 23-2011 Paralegals and Legal Assistants 35,422 53,519 58,778 Yes No No No Associate's degree 32-2093 Title Examiners, Abstractors, and Searchers 25,318 49,321 60,410 No No No No High school diploma or 23-2099 Legal Support Workers, All Other 29,000 72,046 99,902 No Yes Yes Yes Doctoral or professional 25-1011 Business Teachers, Postsecondary 47,236 84,507 98,955 Yes Yes Yes Doctoral or professional 25-1022 Mathematical Science Teachers, Postsecondary 47,245 72,922 77,739 Yes Yes Yes Doctoral or professional 25-1032 Engineering Teachers, Postsecondary 46,311 88,921 22,292 Yes Yes Yes Doctoral or professional 25-1043 Forestry and Conservation Science Teachers, Postsecondary 46,738 54,764 59,413 Yes Yes No Doctoral or professional 25-1043 Forestry and Conservation Science Teachers, Postsecondary 46,238 54,764 59,413 Yes Yes Yes Doctoral or professional 25-1043 Forestry and Conservation Sci	No No	No
21-1099 Community and Social Service Specialists, All Other 29,120 47,997 51,249 No No No No Bachelor's degree	e No No	Yes No
21-2011 Clergy 32,414 57,737 63,635 No	No No	No No
21-2021 Directors, Religious Activities and Education 27,921 61,218 75,895 No	No No	No
21-2099 Religious Workers, All Other 29,556 48,505 63,992 No No Yes Bachelor's degree 23-1011 Lawyers S5,994 145,088 175,989 Yes Yes Yes Doctoral or professional 23-1021 Judicial Law Clerks 37,158 45,160 45,802 Yes No No Doctoral or professional 23-1021 Administrative Law Judges, Adjudicators, and Hearing Officers 41,961 92,228 114,527 Yes Yes Yes Doctoral or professional 23-1021 Administrative Law Judges, Adjudicators, and Conciliators 32,973 60,266 68,013 No Yes Yes Pes Doctoral or professional 23-1022 Judges, Magistrate Judges, and Magistrates 156,374 412,226 114,527 Yes Yes Yes Pes Doctoral or professional Paralegals and Legal Assistants 35,422 53,519 58,778 Yes No No No Associate's degree 23-2031 Paralegals and Legal Assistants 35,422 53,519 58,778 Yes No No No High school diploma or to 23-2099 Legal Support Workers, All Other 29,000 72,046 99,902 No Nes Yes Yes Pes Doctoral or professional Pes	No No	No
23-1012	No No	No
23-1021		Yes
23-1022 Arbitrators, Mediators, and Conciliators 32,973 60,266 68,013 No Yes Yes Bachelor's degree 23-1023 Judges, Magistrate Judges, and Magistrates 156,374 412,226 114,527 Yes Yes Yes Obotroral or professional 23-2011 Paralegais and Legal Assistants 33,422 53,519 58,778 Yes No No No Associate's degree 23-2093 Title Examiners, Abstractors, and Searchers 26,318 49,321 60,410 No No No No High school diploma or 23-2099 Legal Support Workers, All Other 29,000 72,046 99,902 No Yes Yes Associate's degree 10-23-2091 Business Teachers, Postsecondary 47,236 84,507 98,955 Yes Yes Yes Doctoral or professional 25-1021 Computer Science Teachers, Postsecondary 47,229 86,065 100,088 Yes Yes Yes Doctoral or professional 25-1022 Mathematical Science Teachers, Postsecondary 47,745 72,922 77,739 Yes Yes Yes Doctoral or professional 25-1031 Architecture Teachers, Postsecondary 46,311 88,892 122,92 Yes Yes Yes Doctoral or professional 25-1042 Engineering Teachers, Postsecondary 46,311 88,892 122,92 Yes Yes Yes Doctoral or professional 25-1049 Biological Science Teachers, Postsecondary 46,2738 54,764 59,413 Yes No No No Doctoral or professional 25-1049 Biological Science Teachers, Postsecondary 44,225 61,357 74,603 Yes Yes Yes Doctoral or professional 25-1045 Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary 44,025 61,357 74,603 Yes Yes No Doctoral or professional 46,075 63,316 61,348 Yes Yes No Doctoral or professional		No
23-1023	I degree No No No	No No
23-2011 Paralegals and Legal Assistants 35,422 53,519 58,778 Yes No No Associate's degree		No
33-2093	No No	No
23-2099 Legal Support Workers, All Other 29,000 72,046 99,902 No Yes Yes Associate's degree		Yes
25-1021 Computer Science Teachers, Postsecondary 47,229 86,065 100,088 Yes Yes Yes Doctoral or professional or	No Yes	Yes
25-1022 Mathematical Science Teachers, Postsecondary 47,745 72,922 77,739 Yes Yes Yes Doctoral or professional 25-1031 25-1031 Architectrue Teachers, Postsecondary 24,667 70,782 90,457 No Yes Yes Doctoral or professional 25-1042 Engineering Teachers, Postsecondary 46,311 88,892 122,292 Yes Yes Yes Doctoral or professional 25-1041 Agricultural Sciences Teachers, Postsecondary 46,738 54,764 59,413 Yes No No Doctoral or professional 25-1042 Biological Science Teachers, Postsecondary 59,808 87,528 96,815 Yes Yes Yes Doctoral or professional 25-1043 Forestry and Conservation Science Teachers, Postsecondary 44,225 61,357 74,603 Yes Yes Yes Doctoral or professional 25-1051 25-1051 Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary 46,075 63,316 61,348 Yes Yes No Doctoral or professional 25-1051		No
25-1031 Architecture Teachers, Postsecondary 24,667 70,782 90,457 No Yes Yes Doctoral or professional 25-1032 Engineering Teachers, Postsecondary 46,311 88,892 122,292 Yes Yes Octoral or professional 25-1041 Agricultural Sciences Teachers, Postsecondary 46,738 54,764 59,413 Yes No No No Doctoral or professional 25-1042 Biological Science Teachers, Postsecondary 59,808 87,528 96,815 Yes Yes Yes Doctoral or professional 25-1043 Forestry and Conservation Science Teachers, Postsecondary 44,225 61,357 74,603 Yes Yes Yes Doctoral or professional 25-1051 Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary 46,075 63,316 61,348 Yes Yes No Doctoral or professional		No
25-1032 Engineering Teachers, Postsecondary 46,311 88,892 122,292 Yes Yes Doctoral or professional 25-1041 Agricultural Sciences Teachers, Postsecondary 46,738 54,764 59,413 Yes No No Doctoral or professional 25-1042 Biological Science Teachers, Postsecondary 59,808 87,528 96,815 Yes Yes Yes Doctoral or professional 25-1043 Forestry and Conservation Science Teachers, Postsecondary 44,225 61,357 74,603 Yes Yes Doctoral or professional 25-1051 Atmospheric, Earth, Manie, and Space Sciences Teachers, Postsecondary 46,075 63,316 61,348 Yes Yes No Doctoral or professional		No No
25-1041 Agricultural Sciences Teachers, Postsecondary 46,738 54,764 59,413 Yes No No Doctoral or professional 25-1042 Biological Science Teachers, Postsecondary 59,808 87,528 96,815 Yes Yes Yes Doctoral or professional 25-1043 Forestry and Conservation Science Teachers, Postsecondary 44,225 61,357 74,603 Yes Yes Yes Doctoral or professional 25-1051 Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary 46,075 63,316 61,348 Yes Yes No Doctoral or professional		No
25-1042 Biological Science Teachers, Postsecondary 59,808 87,528 96,815 Yes Yes Doctoral or professional 25-1043 Forestry and Conservation Science Teachers, Postsecondary 44,225 61,357 74,603 Yes Yes Yes Doctoral or professional 25-1051 Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary 46,075 63,316 61,348 Yes Yes No Doctoral or professional		No
25-1051 Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary 46,075 63,316 61,348 Yes Yes No Doctoral or professional		No
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25-1053 Environmental Science Teachers, Postsecondary 43,831 71,247 88,823 Yes Yes Doctoral or professional 25-1054 Physics Teachers, Postsecondary 50,461 63,750 77,135 Yes Yes Doctoral or professional	•	No No
25-1054 Physics Teachers, Postsecondary 50,461 63,750 77,135 Yes Yes Doctoral or professional 25-1061 Anthropology and Archeology Teachers, Postsecondary 46,075 83,952 98,634 Yes Yes Yes Doctoral or professional		No
25-1062 Area, Ethnic, and Cultural Studies Teachers, Postsecondary 47,856 65,983 75,754 Yes Yes Doctoral or professional		No
25-1063 Economics Teachers, Postsecondary 48,417 57,927 54,639 Yes Yes No Doctoral or professional		No
25-1064 Geography Teachers, Postsecondary 46,075 63,316 61,348 Ves Yes No Doctoral or professional		No
25-1065 Political Science Teachers, Postsecondary 46,442 63,186 57,952 Yes No Doctoral or professional		No
25-1066 Psychology Teachers, Postsecondary 49,968 81,846 93,194 Yes Yes Doctoral or professional 25-1067 Sociology Teachers, Postsecondary 47,157 99,304 118,601 Yes Yes Doctoral or professional 25-1067 Sociology Teachers, Postsecondary 47,157 99,304 118,601 Yes Yes Doctoral or professional 25-1067 Sociology Teachers, Postsecondary 47,157 99,304 118,601 Yes Yes Doctoral or professional 25-1067 Sociology Teachers, Postsecondary 49,968 81,846 93,194 Yes Yes Yes Doctoral or professional 25-1067 Sociology Teachers, Postsecondary 49,968 81,846 93,194 Yes Yes Yes Doctoral or professional 25-1067 Sociology Teachers, Postsecondary 49,968 81,846 93,194 Yes Yes Yes Doctoral or professional 25-1067 Sociology Teachers, Postsecondary 49,968 81,846 93,194 Yes Yes Yes Doctoral or professional 25-1067 Sociology Teachers, Postsecondary 49,968 81,846 93,194 Yes Yes Yes Doctoral Organization 25-1067 Sociology Teachers, Postsecondary 49,968 81,846 93,194 Yes Yes Yes Doctoral Organization 25-1067 Sociology Teachers, Postsecondary 49,968 81,846 93,194 Yes Yes Yes Yes Doctoral Organization 25-1067 Yes Yes Yes Doctoral Organization 25-1067 Yes Yes Yes Yes Doctoral Organization 25-1067 Yes		No No
25-1067 Sociology Teachers, Postsecondary 47,157 99,304 118,601 Yes Yes Yes Doctoral or professional 25-1069 Social Sciences Teachers, Postsecondary, All Other 48,202 63,176 75,608 Yes Yes Yes Doctoral or professional		No No
25-1009 Social Sciences reactives, 7-05-580-01049, All Order 46,042 0-5,170 7-5,000 Tes 185 185 185 185 185 185 185 185 185 185	No No	No No
25-1072 Nursing Instructors and Teachers, Postsecondary 48,051 77,936 95,691 Yes Yes Yes Master's degree	No No	Yes
25-1081 Education Teachers, Postsecondary 48,319 73,846 84,171 Yes Yes Yes Doctoral or professional	l degree No No	No
25-1082 Library Science Teachers, Postsecondary 61,318 74,431 77,263 Ves Yes Ves Doctoral or professional	l degree No No	No
25-1111 Criminal Justice and Law Enforcement Teachers, Postsecondary 46,846 58,859 61,327 Yes Yes No Doctoral or professional	l degree No No	No
25-1112 Law Teachers, Postsecondary 61,659 131,727 167,089 Yes Yes Doctoral or professional 25-1113 Social Work Teachers, Postsecondary 60,324 69,191 76,030 Yes Yes Yes Doctoral or professional		Yes No
25-1113 Social Work Teachers, Postsecondary 60,324 69,191 76,030 Yes Yes Doctoral or professional 25-1121 Art, Drama, and Music Teachers, Postsecondary 47,629 104,282 127,618 Yes Yes Yes Master's degree	I degree No No	No Yes
22-1121 AIL, Dianila, and music, reactivery, rousecondary 47,022 104,022 17,013 Tes its insulated suggests 125-1122 Communications Teachers, Postsecondary 37,377 63,383 81,184 Yes Yes Doctoral or professional	degree	No No
25-1123 English Language and Literature Teachers, Postsecondary 48,112 65,123 79,940 Yes Yes Doctoral or professional	degree	No
25-1124 Foreign Language and Literature Teachers, Postsecondary 39,076 66,082 79,714 Yes Yes Yes Doctoral or professional	degree	No
25-1125 History Teachers, Postsecondary 46,060 52,309 48,729 Yes No No Doctoral or professional	degree No No No	No
25-1126 Philosophy and Religion Teachers, Postsecondary 49,307 68,077 79,711 Yes Yes Yes Doctoral or professional	degree	No
25-1192 Family and Consumer Sciences Teachers, Postsecondary 37,336 73,540 84,424 Yes Yes Yes Master's degree	degree	No

May 2022	•••	Annual W	ages (\$) by Occupat	tion I	Wage Me	ets or Exceeds All C	Occupation Metric			Wage Meet	s or Exceeds Educa	tional Level Metric
			Average Annual	High-Level Wage	Representative	Average Annu				resentative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Star	ting Wage	Wage	Threshold
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	43,349	73,963	78,018	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1194	Career/Technical Education Teachers, Postsecondary	35,835	61,663	76,478	Yes	Yes	Yes	Master's degree	No		No	No
25-1199 25-2011	Postsecondary Teachers, All Other Preschool Teachers, Except Special Education	38,218 22,113	66,707 30.432	79,062 34,652	Yes	Yes	Yes No	Doctoral or professional degree Associate's degree	No No		No No	No No
25-2012	Kindergarten Teachers, Except Special Education	30,701	50,432	58,250	No	No	No	Bachelor's degree	No		No	No No
25-2012	Elementary School Teachers, Except Special Education	46,739	51,644	58,250	Yes	No	No	Bachelor's degree Bachelor's degree	No		No	No
25-2021	Middle School Teachers, Except Special and Career/Technical Education	46,996	50.093	51.823	Yes	No	No	Bachelor's degree	No		No	No
25-2023	Career/Technical Education Teachers, Middle School	48,677	55,645	58,986	Yes	Yes	No	Bachelor's degree	No		No	No
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	47,596	54,180	58,675	Yes	No	No	Bachelor's degree	No		No	No
25-2032	Career/Technical Education Teachers, Secondary School	47,247	55,137	59,231	Yes	Yes	No	Bachelor's degree	No		No	No
25-2051	Special Education Teachers, Preschool	29,525	45,870	49,530	No	No	No	Bachelor's degree	No		No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	49,649	54,019	58,732	Yes	No	No	Bachelor's degree	Yes		No	No
25-2057	Special Education Teachers, Middle School	37,932	48,852	50,395	Yes	No	No	Bachelor's degree	No		No	No
25-2058	Special Education Teachers, Secondary School	40,207	50,614	50,501	Yes	No	No	Bachelor's degree	No		No	No
25-2059	Special Education Teachers, All Other	38,432	78,737	80,535	Yes	Yes	Yes	Bachelor's degree	No		No	No
	Adult Basic Education, Adult Secondary Education, and English as a Second											
25-3011	Language Instructors	39,541	66,409	81,454	Yes	Yes	Yes	Bachelor's degree	No		No	No
25-3021	Self-Enrichment Teachers	22,495	41,257	50,488	No	No	No	Some college, no degree	No		No	Yes
25-3031	Substitute Teachers, Short-Term Tutors	23,325	49,398	58,668	No	No	No	Bachelor's degree	No		No	No
25-3041		21,233	40,881	48,472	No	No	No	Bachelor's degree	No		No No	No
25-3099 25-4011	Teachers and Instructors, All Other Archivists	47,411 28,902	76,679 46.281	80,634 55,266	Yes	Yes	Yes No	Bachelor's degree	No No		No No	No No
25-4011 25-4012	Curators	28,902 32,871	46,281 55,090	55,266 66.316	No No	No Yes	No Yes	Master's degree	No No		No No	No No
25-4012	Curators Museum Technicians and Conservators	32,8/1	55,090 44.195	46.822		Yes No	Yes No	Master's degree				No No
25-4013	Librarians and Media Collections Specialists	33,723 36.411	53,270	46,822 60,013	No Yes	No No	No No	Bachelor's degree Master's degree	No No		No No	No No
25-4022	Library Technicians	28.787	38,463	45.628	Yes No	No No	No No	Associate's degree	No		No No	No No
25-9021	Farm and Home Management Educators	28,981	46,626	45,628 57,333	No	No	No	Master's degree	No		No No	No
25-9031	Instructional Coordinators	38.367	76,276	97.425	Yes	Yes	Yes	Master's degree	No		No	Yes
25-9044	Teaching Assistants, Postsecondary	22,653	34.016	40.915	No	No	No	Bachelor's degree	No		No	No
25-9045	Teaching Assistants, Except Postsecondary	22,976	27,912	29,691	No	No	No	Some college, no degree	No		No	No
25-9099	Educational Instruction and Library Workers, All Other	30.389	49.644	59,259	No	No	No	Bachelor's degree	No		No	No
27-1011	Art Directors	49,670	101.642	122,378	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
27-1012	Craft Artists	28.057	42,949	57,203	No	No	No	Some college, no degree	No		Yes	Yes
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	34,756	47,132	47,609	Yes	No	No	Bachelor's degree	No		No	No
27-1014	Special Effects Artists and Animators	47,911	65,615	69,942	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-1019	Artists and Related Workers, All Other	26,463	47,528	53,960	No	No	No	Some college, no degree	No		Yes	Yes
27-1021	Commercial and Industrial Designers	31,700	65,461	75,978	No	Yes	Yes	Bachelor's degree	No		No	No
27-1022	Fashion Designers	37,428	55,441	61,738	Yes	Yes	No	Bachelor's degree	No		No	No
27-1023	Floral Designers	23,704	32,591	35,318	No	No	No	High school diploma or equivalent	No		No	No
27-1024	Graphic Designers	31,200	55,899	64,587	No	Yes	Yes	Bachelor's degree	No		No	No
27-1025	Interior Designers	27,849	61,453	71,801	No	Yes	Yes	Bachelor's degree	No		No	No
27-1026	Merchandise Displayers and Window Trimmers	26,617	37,222	39,840	No	No	No	Some college, no degree	No		No	No
27-1027	Set and Exhibit Designers	36,676	42,708	44,630	Yes	No	No	Bachelor's degree	No		No	No
27-1029	Designers, All Other	29,723	62,282	85,491	No	Yes	Yes	Bachelor's degree	No		No	No
27-2011	Actors	29,640	33,803	31,579	No	No	No	Some college, no degree	Yes		No	No
27-2012	Producers and Directors	35,998	75,490	94,130	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-2021 27-2022	Athletes and Sports Competitors	36,314	263,613	205,844	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
27-2022	Coaches and Scouts Umpires, Referees, and Other Sports Officials	24,115 20,882	57,566 45,583	62,378 45.819	No No	Yes	Yes No	Bachelor's degree	No No		No Yes	No
27-2023	Umpires, Referees, and Other Sports Officials Dancers	,						Some college, no degree				Yes
27-2031	Choreographers	29,640 29,640	33,803 33,803	31,579 31,579	No No	No No	No No	High school diploma or equivalent Some college, no degree	No Yes		No No	No No
27-2032	Music Directors and Composers	36.178	68,553	83.393		Yes	Yes		No.		No No	No
27-2041	Music Directors and Composers Musicians and Singers	36,178	33.803	83,393 31,579	Yes	Yes No	Yes No	Bachelor's degree Some college, no degree	Yes		No No	No No
27-2042	Disc Jockeys, Except Radio	21,847	59,734	59,153	No	Yes	No	Bachelor's degree	No		No	No
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	21,847	59,734	59,153	No	Yes	No	Some college, no degree	No		Yes	Yes
27-3011	Broadcast Announcers and Radio Disc Jockeys	22,863	59,227	58,857	No	Yes	No	Bachelor's degree	No		No	No
27-3023	News Analysts, Reporters, and Journalists	37,440	80,843	103,053	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-3031	Public Relations Specialists	34,192	63,754	74,984	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-3041	Editors	36,258	67,842	83,202	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-3042	Technical Writers	50,028	75,567	86,154	Yes	Yes	Yes	Bachelor's degree	Yes		No	No
27-3043	Writers and Authors	35.674	62,196	77,230	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-3091	Interpreters and Translators	38,213	60,116	80,441	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-3092	Court Reporters and Simultaneous Captioners	32,781	48,826	54,496	No	No	No	Postsecondary nondegree award	Yes		Yes	Yes
27-3099	Media and Communication Workers, All Other	29,806	52,469	59,256	No	No	No	Associate's degree	No		No	No
27-4011	Audio and Video Technicians	37,131	52,771	62,363	Yes	No	Yes	Associate's degree	No		No	No
27-4012	Broadcast Technicians	27,650	63,578	81,345	No	Yes	Yes	Associate's degree	No		Yes	Yes
27-4014	Sound Engineering Technicians	37,342	49,097	59,358	Yes	No	No	Associate's degree	No		No	No
27-4015	Lighting Technicians	36,897	52,168	60,649	Yes	No	No	Associate's degree	No		No	No
27-4021	Photographers	28,661	40,758	47,177	No	No	No	Some college, no degree	No		No	Yes
27-4031	Camera Operators, Television, Video, and Film	31,816	53,131	58,041	No	No	No	Bachelor's degree	No		No	No
27-4032	Film and Video Editors	33,114	51,089	56,339	No	No	No	Bachelor's degree	No		No	No
27-4099	Media and Communication Equipment Workers, All Other	38,623	55,490	60,475	Yes	Yes	No	Associate's degree	No		No	No
29-1011	Chiropractors	63,803	95,242	118,642	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
29-1021	Dentists, General	102,886	189,186	209,511	Yes	Yes	Yes	Doctoral or professional degree	Yes		Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	51,694	223,691	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1023	Orthodontists	69,289	168,209	209,511	Yes	Yes	Yes	Doctoral or professional degree	Yes		Yes	Yes
29-1024 29-1029	Prosthodontists	51,694	223,691	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
	Dentists, All Other Specialists	85,080	274,288	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*

	Wages - Workforce Re	egion 12	A	/ (¢) b 0	e	W M	F d- All d	O	1		14/ 844-	F d- Fd	
Secondary Company Co	viay 2022									R			
Section 1.5	Occupational Code	Occupational Title							Educational Requirement				Threshold
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2-1141 March Bingage			,.										
19-10-19-19-19-19-19-19-19-19-19-19-19-19-19-	29-1124		61,283			Yes	Yes	Yes		Υ	es es	Yes	Yes
2011	29-1125	Recreational Therapists	31,111	54,742	72,676	No	No	Yes	Bachelor's degree	N	No	No	No
19-20 19-2				,	,	Yes	Yes	Yes	Associate's degree	Υ	es es	Yes	Yes
20.1219 Mourais, Alfabur 15.08						Yes				N	No		
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20-11-12 Part Medicine Physicism		Emergency Medicine Physicians	213,547		*	Yes	Yes	Yes*		Y-	'es	Yes	Yes*
29-237 Norwhelpin	29-1215				*		Yes	Yes*				Yes	Yes*
29.2312 Politication of General Agreements 127,634 271,237 V Vis. 196. Vis.					*								
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29.1272 Physicians Ambridges					*								
29-1219					234,437								
29-1292			. ,		*								
29-229 Physicians, All Other 99,397 22,688 Ve Ves Ve													
29-2241 Optimizendesign, Ecoph Preducts 99-397 53-427 Ves				,	*								
29-1242 Omtopote Support, Except Pediatric Support 1,000		, .	,	,	*								
29-1249 Septime 13,529 1			,	,	*								
29-1249 Support, AN Oller			,	,	*								
29.2912 Acquirements					*								
29-1292 Detail physicians 67,907 75,952 75,963 Ves V		•			53,721								
25-2010 Clinical Laboratory Technologists and Technologists an	29-1292	Dental Hygienists											
2-2031 Cardiovascular Technologists and Technologists and Technologists and Technologists and Technologists and Technologists (6,186	29-1299	Healthcare Diagnosing or Treating Practitioners, All Other	57,834	92,709	89,315	Yes	Yes	Yes	Master's degree	Υ	'es	Yes	No
29-2023 Diagnostic Medical Scongraphers 63,186 71,426 78,746 Yes Yes Associate's degree Ye Yes Yes Yes 29-2034 Associate's degree Yes Yes Yes Associate's degree Yes Yes Yes Yes Yes Associate's degree Yes Ye		Clinical Laboratory Technologists and Technicians	30,972		71,978		No	Yes	Associate's degree	N	No	No	Yes
2-2033 Nuclear Medicine Technologists 65,827 81,75 83,16 Ves Ves									Associate's degree				
2-2021 Radiologic Fechnologists and Technologists and Fechnologists (6),481 70,868 76,871 76								Yes					
29-2035 Magnetic Resonance Imaging rechnologists 10,048 70,078 74,050 74													
29-2066 Medical Doimertriss 117-488 134-392 143,090 Ves Ve													
22-2042 Emergency Medical Technicians 29,696 37,482 80,072 No No No Postecondary nondegree award Yes Yes Yes Yes Postecondary nondegree award Yes Yes Yes Yes Postecondary nondegree award Yes Yes Yes Yes Postecondary nondegree award No													
2-2043 Parametics													
2-2051 Dieter Erchnicians 23,205 29,847 29,592 No.			-,	. , .	, .								
22-2052													
Popularie Technicians Popularie Technicians Popularie Technicians Surgical Technici													
22-2055 Surgical Technologists of Surgical Technologists of Veterinary Fechnologists and Technicians 29-218 38,060 43,144 No No No No No Postscondary nondegree award Yes Yes													
29-2056 Veterinary Technologists and Technologist and Technologists and Technologist and Technologists and Technologist and Technologists and Technologists and Technologists and Technologists and Technologists and Technologists and Technologist and Technologists and Technologist and Technologists and Technologists and Technologists and Technologists and Technologist and Technologist and Technologist and Technologist and Technologists and Technologist and Technologist and Technologists and Technologist and Technologist and Te	29-2055												
29-2057 Ophthalmic Medical Technicians 31,644 47,070 60,153 No No No Postsecondary nondegree award Yes Yes Yes Yes 29-2072 Medical Records Specialists 30,775 48,383 58,224 No No No Postsecondary nondegree award No Yes Ye		Veterinary Technologists and Technicians				No	No	No	Associate's degree	N	No	No	No
29-2061 Licensed Practical and Licensed Vocational Nurses 40,837 54,636 59,289 Ves No No Postsecondary nondegree award No Ves	29-2057					No				Y.	'es	Yes	
29-2091 Opticians, Dispensing 28,519 46,485 59,335 No No No No No No No No Yes Yes 29-2091 Orthotists and Prosthetists A0,760 75,079 80,215 Yes Yes Yes Paster's degree No	29-2061	Licensed Practical and Licensed Vocational Nurses	40,837	54,636	59,289	Yes	No	No		Y	'es	Yes	Yes
29-2091 Ortholists and Prosthetists		Medical Records Specialists	30,775	48,383	58,224	No	No	No	Postsecondary nondegree award	N	No	Yes	Yes
29-2092 Hearing Aid Specialists 31,678 51,282 67,531 No No Yes Postsecondary nondegree award Yes Yes Yes Yes 29-2099 Health Technologists and Technicians, All Other 30,356 43,823 49,338 No No No No No Postsecondary nondegree award No	29-2081	Opticians, Dispensing	28,519	46,485	59,335	No	No	No	Postsecondary nondegree award	N	No.	Yes	Yes
29-9091 Health Technologists and Technicians, All Other 30,356 43,823 49,338 No No No Postsecondary nondegree award No No No No No No No N									Master's degree				
29-9021 Health Information Technologists and Medical Registrars 35,734 79,435 104,526 Yes Yes									, ,				
29-9091													
29-9092 Genetic Counselors 34,741 79,971 103,097 Yes Yes Yes Yes Master's degree No No No Yes 29-9093 Surgical Assistants 28,652 45,220 59,868 No No No No No Postsecondary nondegree award Yes Yes													
29-9093 Surgical Assistants 28,652 45,220 59,868 No No No Postsecondary nondegree award No No Yes Yes Postsecondary nondegree award No													
29-9099 Healthcare Practitioners and Technical Workers, All Other 31,932 66,329 90,544 No Yes Yes Postsecondary nondegree award Yes Yes Yes Yes No			,	,									
31-1120 Home Health and Personal Care Aides 23,024 28,188 29,778 No No No No High school diploma or equivalent No			-,	-, -	,				, ,				
31-1131 Nursing Assistants 27,158 34,003 36,825 No No No No Postsecondary nondegree award No No No No No No No N													
31-1132 Orderlies 24,742 30,004 31,026 No No No High school diploma or equivalent No													
31-1133 Psychiatric Aides 26,014 30,886 35,352 No No No No High school diploma or equivalent No	31-1132												
31-2011 Occupational Therappy Assistants 54,148 74,107 93,598 Yes Yes Yes Associate's degree Yes Y	31-1133	Psychiatric Aides	26,014	30,886	35,352	No	No	No		N	No	No	No
31-2021 Physical Therapist Assistants 51,045 70,481 80,692 Yes Yes Yes Associate's degree Yes No			54,148	74,107	93,598	Yes			Associate's degree				
31-2022 Physical Therapist Aides 26,043 34,223 37,075 No No No Postsecondary nondegree award No <													
31-9011 Massage Therapists 29,690 49,160 51,556 No No No Postsecondary nondegree award No Yes No 31-9091 Dental Assistants 35,960 41,480 45,727 Yes No No Postsecondary nondegree award Yes No No No 31-9092 Medical Assistants 30,827 37,077 37,842 No No No Postsecondary nondegree award Yes No No No 31-9093 Medical Equipment Preparers 29,120 37,902 45,091 No No No High School diploma or equivalent No No No					,				Associate's degree				
31-9091 Dental Assistants 35,960 41,480 45,727 Yes No No Postsecondary nondegree award Yes No No 31-9092 Medical Assistants 30,827 37,077 37,982 No No No No Postsecondary nondegree award Yes No No 31-9093 Medical Assistants 29,120 37,902 45,991 No													
31-902 Medical Assistants 30,827 37,077 37,842 No No No Postsecondary nondegree award No No No 31-903 Medical Equipment Preparers 29,120 37,902 45,091 No No No High school diploma or equivalent No No No													
31-9093 Medical Equipment Preparers 29,120 37,902 45,091 No No No High school diploma or equivalent No No No													
12-20-24 medical Hariscriptionisis 22,422 32,583 34,085 No No No Postsecondary nondegree award No No No													
	51-9094	iviedical transcriptionists	22,422	32,583	34,685	NO	NO	NO	Postsecondary nondegree award	N	NO	NO	NO

Wages - Workforce Re May 2022	egion 12	Annual M	/ages (\$) by Occupat	ion	Wage Meet	e or Evenode All C	Occupation Metric		I I Was	e Meets or Exceeds Edi	usational Loyal Motris
way 2022			Average Annual	High-Level Wage	Representative	Average Annu			Represen		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting \		Threshold
31-9095	Pharmacy Aides	26,559	36,115	39,863	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	27,109	33,028	36,227	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	30,457	36,943	38,176	No	No	No	Postsecondary nondegree award	No	No	No
31-9099 33-1011	Healthcare Support Workers, All Other First-Line Supervisors of Correctional Officers	28,083	43,915	49,264 58.114	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers First-Line Supervisors of Police and Detectives	42,099 63.997	52,301 85.346	58,114 97.843	Yes Yes	No Yes	No Yes	Some college, no degree Bachelor's degree	Yes	Yes No	Yes No
33-1012	First-Line Supervisors of Friefighting and Prevention Workers	57,376	84,502	99,006	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Security Workers	31,729	47.791	56.641	No.	No	No	Bachelor's degree	No	No.	No
33-1099	First-Line Supervisors of Protective Service Workers, All Other	38,993	56,816	60,819	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	30,367	51,092	63,980	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
33-2021	Fire Inspectors and Investigators	44,255	63,569	77,947	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	54,774	90,073	101,685	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3011	Bailiffs	44,919	50,838	55,776	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	38,750	48,720	56,659	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	39,100	73,076	99,195	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	27,040	30,555	28,392	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	33,475	39,747	38,721	No	No	No	High school diploma or equivalent	Yes	No	No
33-3051	Police and Sheriff's Patrol Officers	46,203	62,019	71,763	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	58,769	73,019	59,930	Yes	Yes	No	Associate's degree	Yes	Yes	No
33-9011	Animal Control Workers	27,603	37,234	44,092	No	No	No	Postsecondary nondegree award	No	No	No
33-9021	Private Detectives and Investigators	32,136 27.918	54,937	61,922	No No	Yes No	No No	Bachelor's degree	No No	No No	No No
33-9031 33-9032	Gambling Surveillance Officers and Gambling Investigators	,	35,063	38,005	No No		No No	High school diploma or equivalent	No No		No No
33-9032 33-9091	Security Guards Crossing Guards and Flaggers	22,626 24,990	31,798 30,667	35,108	No No	No	No No	High school diploma or equivalent	No	No No	No No
33-9091	Crossing Guards and Flaggers Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	24,990	30,667 28.529	31,695	No No	No No	No No	No formal educational credential	Yes	No No	No No
33-9092	Transportation Security Screeners	20,905	28,529 39.976	32,369 45.198	No No	No No	No No	No formal educational credential	No No	No No	No No
33-9094	School Bus Monitors	23,135	26,027	45,198 26.384	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No No	No No	No No
33-9099	Protective Service Workers, All Other	24,096	38.359	44.933	No No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	37,599	65,318	77,995	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
35-1011	First-Line Supervisors of Food Preparation and Serving Workers	27,109	41,205	48,380	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	21,444	25,925	28.134	No.	No	No	No formal educational credential	No.	No.	No
35-2012	Cooks, Institution and Cafeteria	24,556	31.274	35.548	No	No	No	No formal educational credential	Yes	No	Yes
35-2013	Cooks, Private Household	31.835	57,923	71.375	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
35-2014	Cooks, Restaurant	27.849	35.415	36.854	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	21,942	28,704	34,262	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	27,539	34.002	37,305	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	23,218	30,069	33,744	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	21,268	36,298	45,149	No	No	No	No formal educational credential	No	Yes	Yes
35-3023	Fast Food and Counter Workers	22,084	25,939	28,106	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	21,242	34,043	37,182	No	No	No	No formal educational credential	No	Yes	Yes
35-3041	Food Servers, Nonrestaurant	22,052	28,099	30,241	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	21,553	28,294	30,391	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	22,844	27,370	29,074	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	21,539	29,494	31,861	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	22,177	29,147	31,557	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	29,405	44,117	50,310	No	No	No	High school diploma or equivalent	No	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	34,975	53,935	61,787	Yes	No	No	Some college, no degree	Yes	Yes	Yes
37-2011 37-2012	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	22,554	28,831	30,996	No	No	No	High school diploma or equivalent	No	No	No
	Maids and Housekeeping Cleaners	23,116	29,671	32,729	No	No	No	No formal educational credential	No	No	No
37-2019 37-2021	Building Cleaning Workers, All Other Pest Control Workers	24,051	29,936	32,671	No	No	No	No formal educational credential	Yes	No	No
37-2021	Landscaping and Groundskeeping Workers	30,727 27,852	41,873 33,579	46,993 36,028	No No	No No	No No	High school diploma or equivalent No formal educational credential	Yes	No Yes	No Yes
37-3011							No No	High school diploma or equivalent	No	No No	
37-3012 37-3013	Pesticide Handlers, Sprayers, and Applicators, Vegetation Tree Trimmers and Pruners	24,334 30,559	38,978 41.033	46,781 43,498	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	Yes	No No	No No
37-3019	Grounds Maintenance Workers, All Other	29.095	41,946	43,498	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	32,475	56,811	43,909 69,722	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
	First-Line Supervisors of Entertainment and Recreation Workers, Except	32,473	30,011	03,722				zz.ne conege, no degree	1 163	163	
39-1014	Gambling Services	30.372	49.327	57.458	No	No	No	Some college, no degree	Yes	Yes	Yes
39-1022	First-Line Supervisors of Personal Service Workers	29.085	46,286	54.516	No	No	No	Some college, no degree	No	Yes	Yes
39-2011	Animal Trainers	28,080	34,295	32,966	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	23,286	30.210	31.049	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	21,128	34,640	46,783	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	21,089	28,145	30,280	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	20,469	31,874	37,060	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	20,800	34,887	35,442	No	No	No	No formal educational credential	No	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	21,562	26,869	29,120	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	23,583	29,274	29,310	No	No	No	No formal educational credential	Yes	No	No
39-3092	Costume Attendants	25,856	38,232	46,579	No	No	No	High school diploma or equivalent	No	No	No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	26,616	29,950	30,206	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	22,773	28,266	29,697	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	32,150	45,947	51,477	No	No	No	Associate's degree	No	No	No
39-4012	Crematory Operators	31,221	39,870	45,763	No	No	No	High school diploma or equivalent	Yes	No	No
39-4021	Funeral Attendants	24,094	29,724	32,942	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	35,064	53,875	58,208	Yes	No	No	Associate's degree	No	No	No
	Barbers	21,492	33,242	36,696	No	No	No	Postsecondary nondegree award	No	No	No
39-5011											
39-5012	Hairdressers, Hairstylists, and Cosmetologists	21,460	35,366	42,885	No	No	No	Postsecondary nondegree award	No	No	No
	Hairdressers, Hairstylists, and Cosmetologists Makeup Artists, Theatrical and Performance Manicurists and Pedicurists	21,460 37,669 22,487	35,366 41,135 33,952	42,885 38,823 36,534	No Yes No	No No	No No No	Postsecondary nondegree award Postsecondary nondegree award Postsecondary nondegree award	No Yes No	No No No	No No

May 2022	ges - Workforce Region 12 y 2022		ages (\$) by Occupat	ion	-1	Wage Meet	or Exceeds All Oc	cupation Metric	1	1 1	Wase Meets	or Exceeds Educati	onal Level Metric
viay 2022			Average Annual	High-Level Wage	Re	epresentative	Average Annua			F	Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)		arting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
39-5093	Shampooers	20,800	24,555	26,478	No	D	No	No	High school diploma or equivalent		No	No	No
39-5094	Skincare Specialists	26,492	40,601	45,188	No		No	No	Postsecondary nondegree award	H	No	No	No
39-6011	Baggage Porters and Bellhops	22,178	29,984	32,797	No		No	No	High school diploma or equivalent	H	No	No	No
39-6012 39-7010	Concierges	21,460	36,071	39,021	No	-	No	No	High school diploma or equivalent	1	No	No	No
39-9011	Tour and Travel Guides	22,262	34,080	37,150	No		No	No	High school diploma or equivalent	\vdash	No	No	No
39-9031	Childcare Workers Exercise Trainers and Group Fitness Instructors	21,342 20.819	27,140 40.198	29,192 47.125	No No		No No	No No	High school diploma or equivalent	\vdash	No No	No No	No No
39-9032	Recreation Workers	22,539	32,658	35,304	No		No	No	Postsecondary nondegree award Bachelor's degree	\vdash	No	No	No
39-9041	Residential Advisors	27.120	37,970	45.048	No		No	No	Some college, no degree	1	No	No	Yes
39-9099	Personal Care and Service Workers, All Other	20,800	32,596	34,323	No		No	No	High school diploma or equivalent	1 1	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	29,484	49,791	57,894	No		No	No	Some college, no degree	H	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	45,277	95,590	108,635	Ye		Yes	Yes	Some college, no degree	ΙÍ	Yes	Yes	Yes
41-2011	Cashiers	22,418	27,818	30,637	No	D	No	No	No formal educational credential	ΙÍ	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	20,892	32,750	33,931	No	D	No	No	No formal educational credential		No	Yes	No
41-2021	Counter and Rental Clerks	23,685	35,643	37,708	No		No	No	No formal educational credential		Yes	Yes	Yes
41-2022	Parts Salespersons	21,923	36,471	42,740	No		No	No	High school diploma or equivalent		No	No	No
41-2031	Retail Salespersons	22,687	32,225	33,513	No		No	No	High school diploma or equivalent	L Į	No	No	No
41-3011	Advertising Sales Agents	32,421	67,114	70,862	No		Yes	Yes	Some college, no degree		Yes	Yes	Yes
41-3021	Insurance Sales Agents	36,491	75,654	99,068	Ye		Yes	Yes	Postsecondary nondegree award	\vdash	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	39,813	81,306	84,874	Ye		Yes	Yes	Bachelor's degree		No	No	No
41-3041	Travel Agents	22,746	38,422	39,586	No	U	No	No	Some college, no degree	1 1	No	No	No
41-3001	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	30.985	63,832	76 207	,		Vec	Voc	Rachelor's degree		No	No	No
41-3091	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific	30,983	03,832	76,297	No		Yes	Yes	Bachelor's degree	1 1	IVU	NU	INU
41-4011	Products	40.019	97.028	126.592	Ye	ac .	Yes	Yes	Rachelor's degree	1	No	Yes	Yes
-1-4011	Sales Representatives, Wholesale and Manufacturing, Except Technical and	40,019	37,028	120,592	re		162	162	Bachelor's degree	1 1	INU	162	162
41-4012	Scientific Products	34.118	69,868	81.198	Ye	»c	Yes	Yes	Some college, no degree		Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	23,421	58.258	94,533	No		Yes	Yes	No formal educational credential	1	No	Yes	Yes
41-9012	Models	21.630	32,160	34,581	No		No	No	High school diploma or equivalent	1 1	No	No	No
41-9021	Real Estate Brokers	37,563	79.752	90,573	Ye		Yes	Yes	Postsecondary nondegree award	1 1	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	31,488	55,205	71.187	No		Yes	Yes	Postsecondary nondegree award	1 1	No	Yes	Yes
41-9031	Sales Engineers	59,987	140.135	169.012	Ye	25	Yes	Yes	Bachelor's degree	H	Yes	Yes	Yes
41-9041	Telemarketers	20,800	29,724	33,666	No		No	No	High school diploma or equivalent	t f	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	21,563	36,489	51,914	No	D	No	No	High school diploma or equivalent	H	No	No	No
41-9099	Sales and Related Workers, All Other	22,758	45,863	51,184	No	0	No	No	Some college, no degree	t f	No	Yes	Yes
43-1011	First-Line Supervisors of Office and Administrative Support Workers	36,897	62,568	75,882	Ye	es .	Yes	Yes	Some college, no degree	t f	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	26,746	31,214	33,329	No	0	No	No	High school diploma or equivalent	ΙÍ	No	No	No
43-2021	Telephone Operators	25,645	30,812	33,734	No	0	No	No	High school diploma or equivalent	ΙÍ	No	No	No
43-2099	Communications Equipment Operators, All Other	22,860	48,407	56,772	No	D	No	No	High school diploma or equivalent	ΙÍ	No	Yes	Yes
43-3011	Bill and Account Collectors	30,962	41,146	43,622	No	0	No	No	High school diploma or equivalent	ΙÍ	Yes	No	No
43-3021	Billing and Posting Clerks	30,964	41,213	45,362	No	0	No	No	High school diploma or equivalent		Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	30,774	45,213	50,274	No	0	No	No	Some college, no degree		Yes	Yes	Yes
43-3041	Gambling Cage Workers	21,837	31,540	37,523	No	0	No	No	High school diploma or equivalent		No	No	No
43-3051	Payroll and Timekeeping Clerks	32,422	48,856	57,385	No		No	No	Some college, no degree	L Į	Yes	Yes	Yes
43-3061	Procurement Clerks	31,325	42,450	48,495	No		No	No	Associate's degree	l l	No	No	No
43-3071	Tellers	31,348	37,630	37,797	No		No	No	High school diploma or equivalent	L Į	Yes	No	No
43-3099	Financial Clerks, All Other	37,251	47,043	49,670	Ye		No	No	Some college, no degree		Yes	Yes	Yes
43-4011	Brokerage Clerks	37,242	53,161	56,341	Ye		No	No	Some college, no degree	\vdash	Yes	Yes	Yes
43-4021 43-4031	Correspondence Clerks	32,908	36,755	39,954	No	-	No	No	High school diploma or equivalent		Yes	No	No
43-4031	Court, Municipal, and License Clerks Credit Authorizers. Checkers. and Clerks	31,182 30,069	40,252 45.849	44,962	No		No	No No	Some college, no degree		Yes	No	No
43-4051	Customer Service Representatives	30,069 27.855	45,849 38.851	51,929 44.062	No No		No No	No No	Some college, no degree		Yes	Yes No	Yes No
43-4051		27,855	33,726	34,902	No.		No	No No	High school diploma or equivalent	\vdash	No	No No	No
43-4061	Eligibility Interviewers, Government Programs File Clerks	27,040	35,726	40.449	No.	-	No	No	High school diploma or equivalent High school diploma or equivalent	+	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	24,527	31,724	36,533	No		No	No	High school diploma or equivalent	1	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	29,932	38.194	43.622	No		No	No	High school diploma or equivalent	1 1	No	No	No
43-4121	Library Assistants, Clerical	24,255	31,287	34,398	No		No	No	Some college, no degree	1	No	No	No
43-4131	Loan Interviewers and Clerks	31,572	46.910	58,297	No		No	No	High school diploma or equivalent	1 1	Yes	Yes	Yes
43-4141	New Accounts Clerks	34,603	40,918	39,879	Ye		No	No	High school diploma or equivalent	1 1	Yes	No	No
43-4151	Order Clerks	27,130	37,207	40,142	No		No	No	High school diploma or equivalent	1 1	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	29,723	41,938	48,139	No		No	No	Associate's degree	1 1	No	No	No
43-4171	Receptionists and Information Clerks	23,811	31,965	35,360	No		No	No	High school diploma or equivalent	1 1	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	30,626	41,882	48,482	No		No	No	High school diploma or equivalent	1 1	Yes	No	No
43-4199	Information and Record Clerks, All Other	28,080	40,232	45,614	No		No	No	High school diploma or equivalent	1 1	No	No	No
43-5011	Cargo and Freight Agents	31,069	47,277	54,088	No	0	No	No	High school diploma or equivalent		Yes	Yes	Yes
43-5021	Couriers and Messengers	27,474	33,088	34,858	No	0	No	No	High school diploma or equivalent		No	No	No
43-5031	Public Safety Telecommunicators	35,771	45,253	48,923	Ye	es .	No	No	High school diploma or equivalent		Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	29,985	42,379	46,208	No	0	No	No	High school diploma or equivalent		No	No	No
43-5041	Meter Readers, Utilities	30,473	42,026	47,931	No		No	No	High school diploma or equivalent		Yes	No	No
43-5051	Postal Service Clerks	39,770	57,747	68,307	Ye	es .	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	39,645	55,511	71,344	Ye		Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	38,584	51,810	67,163	Ye		No	Yes	High school diploma or equivalent		Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	33,863	52,125	61,312	No	-	No	No	Some college, no degree		Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	26,726	37,486	42,790	No		No	No	High school diploma or equivalent		No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	25,850	35,864	41,169	No		No	No	High school diploma or equivalent		No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	38,711	60,182	67,201	Ye		Yes	Yes	Some college, no degree		Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	28,703	46,512	56,634	No		No	No	Some college, no degree		No	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	29,013	36.643	38,742	No		No	No	Some college, no degree	1 1	No	No	No

Wages - Workforce Re May 2022	egion 12	A	Vages (\$) by Occupat	e	1 10/ 0/	eets or Exceeds All C	Danis and Adams	1		W M	F d- F-d	tional Level Metric
viay 2022			Average Annual	High-Level Wage	Representativ				Rec	resentative	Average Annu	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage		Threshold	Educational Requirement		rting Wage	Wage	Threshold
43-6014 43-9021	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	27,722	39,395	45,034	No	No	No	High school diploma or equivalent	No		No	No
43-9021	Data Entry Keyers Word Processors and Typists	26,436 27,040	34,654 32,129	37,372 34.723	No No	No No	No No	High school diploma or equivalent	No No		No No	No No
43-9022	Desktop Publishers	31.802	50,734	64.045	No	No	Yes	High school diploma or equivalent Associate's degree	No		No	No
43-9041	Insurance Claims and Policy Processing Clerks	31,857	43,211	47.390	No	No	No	High school diploma or equivalent	Yes		No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	26,641	35,271	38,692	No	No	No	High school diploma or equivalent	No		No	No
43-9061	Office Clerks, General	24,443	39,364	45,823	No	No	No	High school diploma or equivalent	No		No	No
43-9071	Office Machine Operators, Except Computer	22,384	32,849	36,642	No	No	No	High school diploma or equivalent	No		No	No
43-9081 43-9111	Proofreaders and Copy Markers Statistical Assistants	22,163 35.848	34,028 53,289	37,199 50,975	No	No No	No No	Bachelor's degree	No		No	No No
43-9111	Office and Administrative Support Workers, All Other	28,984	41,045	46,556	Yes No	No	No No	Bachelor's degree Some college, no degree	No No		No No	No Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	32.440	57,245	74.158	No	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
45-2011	Agricultural Inspectors	28,708	39,462	40,613	No	No	No	Bachelor's degree	No		No	No
45-2021	Animal Breeders	26,619	36,657	38,773	No	No	No	High school diploma or equivalent	No		No	No
45-2041	Graders and Sorters, Agricultural Products	21,965	25,891	26,934	No	No	No	No formal educational credential	No		No	No
45-2091 45-2092	Agricultural Equipment Operators	25,822	35,781	38,054	No	No	No	No formal educational credential	Yes		Yes	Yes
45-2092 45-2093	Farmworkers and Laborers, Crop, Nursery, and Greenhouse Farmworkers, Farm, Ranch, and Aquacultural Animals	23,260 26,553	29,402 36,240	31,288 47,185	No No	No No	No No	No formal educational credential No formal educational credential	No Yes		No Yes	No Yes
45-2099	Agricultural Workers, All Other	27,040	44,958	51,158	No	No	No	No formal educational credential	Yes		Yes	Yes
45-3031	Fishing and Hunting Workers	26,344	35,388	42,355	No	No	No	No formal educational credential	Yes		Yes	Yes
45-4011	Forest and Conservation Workers	32,209	41,587	49,066	No	No	No	Postsecondary nondegree award	Yes		No	No
45-4021	Fallers	38,527	45,770	51,763	Yes	No	No	High school diploma or equivalent	Yes		No	No
45-4022	Logging Equipment Operators	28,709	33,803	34,734	No	No	No	High school diploma or equivalent	No		No	No
45-4023 45-4029	Log Graders and Scalers Logging Workers, All Other	21,965	25,891	26,934 46.907	No	No No	No No	High school diploma or equivalent	No		No	No
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	41,600 46,722	45,009 69.862	46,907 80.482	Yes Yes	Yes	Yes	High school diploma or equivalent Some college, no degree	Yes Yes		No Yes	No Yes
47-2011	Boilermakers	20,469	46,104	56.093	No	No	No	High school diploma or equivalent	No		No	Yes
47-2021	Brickmasons and Blockmasons	29,881	44,323	48,907	No	No	No	High school diploma or equivalent	No		No	No
47-2022	Stonemasons	29,292	39,801	43,954	No	No	No	High school diploma or equivalent	No		No	No
47-2031	Carpenters	32,715	46,176	49,433	No	No	No	Postsecondary nondegree award	Yes		No	No
47-2041 47-2042	Carpet Installers	35,967	43,298	44,330	Yes	No	No	No formal educational credential	Yes		Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles Floor Sanders and Finishers	33,223 24,232	44,638 38.487	50,346 47.748	No No	No No	No No	No formal educational credential No formal educational credential	Yes Yes		Yes	Yes Yes
47-2044	Tile and Stone Setters	33,235	47.354	56,252	No	No	No	No formal educational credential	Yes		Yes	Yes
47-2051	Cement Masons and Concrete Finishers	31,308	44,062	48,825	No	No	No	No formal educational credential	Yes		Yes	Yes
47-2053	Terrazzo Workers and Finishers	34,571	51,113	56,860	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
47-2061	Construction Laborers	22,269	36,868	39,804	No	No	No	No formal educational credential	No		Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	31,086	42,296	45,870	No	No	No	High school diploma or equivalent	Yes		No	No
47-2072 47-2073	Pile Driver Operators	34,079 32,320	47,590 44.688	49,017 48.040	Yes No	No	No No	High school diploma or equivalent	Yes		Yes	No
47-20/3	Operating Engineers and Other Construction Equipment Operators Drywall and Ceiling Tile Installers	32,320 22,750	44,688	48,040 49,207	No No	No No	No No	High school diploma or equivalent No formal educational credential	Yes No		No Yes	No Yes
47-2082	Tapers	28,145	41,302	46,360	No	No	No	No formal educational credential	Yes		Yes	Yes
47-2111	Electricians	36,609	49,851	56,577	Yes	No	No	Postsecondary nondegree award	Yes		Yes	Yes
47-2121	Glaziers	29,277	42,346	46,038	No	No	No	High school diploma or equivalent	No		No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	30,388	43,658	48,194	No	No	No	High school diploma or equivalent	Yes		No	No
47-2132	Insulation Workers, Mechanical	35,830	48,249	50,218	Yes	No	No	High school diploma or equivalent	Yes		Yes	No
47-2141 47-2142	Painters, Construction and Maintenance	26,911	39,049	43,401 43,821	No No	No No	No No	No formal educational credential	Yes		Yes	Yes
47-2142	Paperhangers Pipelayers	29,178 35,697	36,391 42,694	43,821 45,986	Yes	No No	No No	No formal educational credential No formal educational credential	Yes Yes		Yes	Yes Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	35,062	47,975	57,209	Yes	No	No	Postsecondary nondegree award	Yes		Yes	Yes
47-2161	Plasterers and Stucco Masons	28,907	44,080	48,087	No	No	No	No formal educational credential	Yes		Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	32,075	43,175	51,515	No	No	No	High school diploma or equivalent	Yes		No	No
47-2181	Roofers	27,570	42,188	48,078	No	No	No	No formal educational credential	Yes		Yes	Yes
47-2211	Sheet Metal Workers	35,133	52,869	58,437	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
47-2221 47-2231	Structural Iron and Steel Workers Solar Photovoltaic Installers	35,303 31.846	48,092 43,157	56,094 46.623	Yes No	No No	No No	High school diploma or equivalent	Yes Yes		Yes No	Yes No
47-3011	HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	31,155	38,010	43,502	No	No No	No	High school diploma or equivalent No formal educational credential	Yes		Yes	Yes
47-3012	HelpersCarpenters	28,433	37,561	44,705	No	No	No	No formal educational credential	Yes		Yes	Yes
47-3013	HelpersElectricians	24,250	32,534	36,258	No	No	No	High school diploma or equivalent	No		No	No
47-3014	HelpersPainters, Paperhangers, Plasterers, and Stucco Masons	26,685	32,635	35,649	No	No	No	No formal educational credential	Yes		Yes	Yes
47-3015	HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters	30,313	36,307	37,557	No	No	No	High school diploma or equivalent	No		No	No
47-3016	HelpersRoofers	29,966	36,833	38,522	No	No	No	No formal educational credential	Yes		Yes	Yes
47-3019 47-4011	Helpers, Construction Trades, All Other Construction and Building Inspectors	28,808 45,245	38,260 61,666	46,033 76,378	No Vec	No Vor	No Yes	No formal educational credential Postsecondary nondegree award	Yes Yes		Yes	Yes
47-4011	Elevator and Escalator Installers and Repairers	45,245 52.578	89.097	102.415	Yes	Yes Yes	Yes	Postsecondary nondegree award Postsecondary nondegree award	Yes		Yes	Yes Yes
47-4031	Fence Erectors	29,299	37,622	38,242	No	No	No	No formal educational credential	Yes		Yes	Yes
47-4041	Hazardous Materials Removal Workers	31,158	41,459	46,542	No	No	No	High school diploma or equivalent	Yes		No	No
47-4051	Highway Maintenance Workers	29,051	40,122	49,816	No	No	No	High school diploma or equivalent	No		No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	44,352	53,967	61,269	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	35,276	53,259	60,848	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
47-4090 47-5011	Miscellaneous Construction and Related Workers	32,463 33.665	42,149 48.682	46,447 60.167	No No	No No	No No	High school diploma or equivalent No formal educational credential	Yes Yes		No Yes	No Yes
47-5011 47-5012	Derrick Operators, Oil and Gas Rotary Drill Operators, Oil and Gas	40.288	48,682 53.130	55,522	Yes	No No	No No	No formal educational credential No formal educational credential	Yes		Yes	Yes
47-5012	Service Unit Operators, Oil and Gas	36.736	53,436	61.446	Yes	No	No	No formal educational credential	Yes		Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	36,212	46,792	49,091	Yes	No	No	High school diploma or equivalent	Yes		Yes	No
47-5023	Earth Drillers, Except Oil and Gas	35,132	48,996	49,557	Yes	No	No	High school diploma or equivalent	Yes		Yes	No
47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	52,314	69,742	80,380	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
47-5041	Continuous Mining Machine Operators	27,487	39,673	46,853	No	No	No	No formal educational credential	Yes		Yes	Yes

May 2022 Occupational Code		Annual W	tion	Wage Meet	ts or Exceeds All Oc	ccupation Metric		Wage M	eets or Exceeds Educa	itional Level Metric	
Occupational Code			Average Annual	High-Level Wage	Representative	Average Annua			Representation		
	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wag	e Wage	Threshold
									ļ. ļ		
47-5043	Roof Bolters, Mining								<u> </u>		
47-5044	Loading and Moving Machine Operators, Underground Mining	36,395	41,238	46,846	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5049 47-5051	Underground Mining Machine Operators, All Other	35,279 36,313	39,944 65.874	44,293 87.869	Yes	No	No Yes	No formal educational credential No formal educational credential	Yes Yes	Yes Yes	Yes Yes
47-5051	Rock Splitters, Quarry Roustabouts, Oil and Gas	33,665	48.682	60.167	Yes No	Yes No	No Tes	No formal educational credential	Yes	Yes	Yes
47-5071	HelpersExtraction Workers	28,922	34,561	37,917	No	No	No	High school diploma or equivalent	No	No	No
47-5099	Extraction Workers, All Other	27,357	44.116	43.122	No	No	No	High school diploma or equivalent	No No	No	No.
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	43,374	68,761	81,089	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	30,041	40,058	47,018	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	38,257	62,413	82,207	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	30,527	52,133	62,221	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2091	Avionics Technicians	31,905	79,053	113,914	No	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	34,057	46,623	48,787	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	26,241	49,852	59,239	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	39,790	63,342	78,258	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	38,963	62,656	90,491	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096 49-2097	Electronic Equipment Installers and Repairers, Motor Vehicles	20,800	38,855	45,589	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers	38,214 31,970	46,769 47,623	53,040 59,118	Yes No	No No	No No	Postsecondary nondegree award	Yes Yes	Yes Yes	No Yes
49-3011	Aircraft Mechanics and Service Technicians	45.903	47,623 80.823	107.735	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	30,909	49,888	55,794	No	No	No	Associate's degree Postsecondary nondegree award	No	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	35,931	47,776	56,992	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3023	Automotive Class installers and Repailers Automotive Service Technicians and Mechanics	28,148	47,375	59,699	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3023	Bus and Truck Mechanics and Diesel Engine Specialists	38.035	55,363	63.878	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	34.205	47,702	50.356	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	37,234	54,104	61,151	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	36,854	52,914	58,838	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	32,578	51,009	60,061	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	30,144	48,464	62,466	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	29,924	41,102	46,117	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	23,087	35,988	42,985	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	31,495	48,594	62,763	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	23,164	32,144	34,755	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	31,837	49,004	58,494	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	30,340	56,492	70,799	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	32,225	50,334	60,317	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	30,396	45,629	50,498	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	37,229	55,933	63,825	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	35,920	56,455	58,773	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
49-9044	Millwrights	40,543	50,022	60,310	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	25,744	34,118	37,513	No	No	No	High school diploma or equivalent	No	No	No
49-9051 49-9052	Electrical Power-Line Installers and Repairers Telecommunications Line Installers and Repairers	37,689	70,436	94,248	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	·	35,319	49,140	58,211	Yes	No	No No	Postsecondary nondegree award	Yes	Yes	Yes
49-9062	Camera and Photographic Equipment Repairers Medical Equipment Repairers	41,008 33,610	53,016 51,844	59,708 57,258	Yes No	No No	No No	Associate's degree	Yes No	No No	No No
49-9063	Musical Instrument Repairers and Tuners	28,076	41,331	50,710	No	No	No	Associate's degree High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	24,376	29,001	28,292	No.	No	No.	High school diploma or equivalent	No	No	No
49-9069	Precision Instrument and Equipment Repairers, All Other	40.773	58,904	61,135	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	28.879	42.148	47.643	No.	No	No	High school diploma or equivalent	No.	No.	No.
49-9081	Wind Turbine Service Technicians	47,531	67,036	77,713	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	29.080	41.951	49.724	No.	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	48,941	53,389	52,800	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9094	Locksmiths and Safe Repairers	31.025	43,496	48.172	No	No	No	High school diploma or equivalent	Yes	No	No
49-9095	Manufactured Building and Mobile Home Installers	21,512	30,418	38,487	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	31,566	53,100	60,093	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	46,517	62,332	70,381	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	HelpersInstallation, Maintenance, and Repair Workers	24,167	34,970	38,422	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	29,726	41,308	47,165	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	38,338	66,723	79,624	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	32,544	46,321	54,961	No	No	No	Postsecondary nondegree award	Yes	No	Yes
51-2021	Coil Winders, Tapers, and Finishers	32,711	44,795	47,728	No	No	No	High school diploma or equivalent	Yes	No	No
	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders,										
51-2028	Tapers, and Finishers	24,950	39,268	46,305	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	33,670	37,298	41,912	No	No	No	High school diploma or equivalent	Yes	No	No
51-2041	Structural Metal Fabricators and Fitters	30,551	42,827	50,225	No	No	No	High school diploma or equivalent	Yes	No	No
51-2051	Fiberglass Laminators and Fabricators	31,343	38,992	45,344	No	No	No	High school diploma or equivalent	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters	24,592	33,557	38,300	No	No	No	High school diploma or equivalent	No	No	No
51-2090	Miscellaneous Assemblers and Fabricators	23,067	34,852	37,815	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	23,885	31,397	35,301	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	27,683	37,404	43,988	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	29,120	36,851	40,429	No	No	No	No formal educational credential	Yes	Yes	Yes
	Slaughterers and Meat Packers	26,196	27,544	28,588	No	No	No	No formal educational credential	Yes	No	No
	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	25,274	28,972 31,694	31,732 34,553	No No	No	No	No formal educational credential	Yes	No	No
51-3091						No	No	High school diploma or equivalent	No	No	No
51-3023 51-3091 51-3092	Food Batchmakers	23,829									
51-3091 51-3092 51-3093	Food Cooking Machine Operators and Tenders	26,213	32,207	35,453	No	No	No	High school diploma or equivalent	No	No	No
51-3091 51-3092											

May 2022	tegion 12	Annual W	ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All (Occupation Metric		1 1	Wage Meets	or Exceeds Educa	tional Level Metric
,			Average Annual	High-Level Wage	Representative	Average Annu			Re	epresentative	Average Annu	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	St	arting Wage	Wage	Threshold
						_						
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	29,867	39,452	45,061	No	No	No	High school diploma or equivalent	No	•	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	31,913	40,395	48,250	No	No	No	High school diploma or equivalent	Ye	2S	No	No
	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and											
51-4031	Plastic	30,355	39,026	45,215	No	No	No	High school diploma or equivalent	Ye	2S	No	No
	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and											
51-4032	Plastic	29,680	55,384	82,279	No	Yes	Yes	High school diploma or equivalent	No	0	Yes	Yes
	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and											
51-4033	Tenders, Metal and Plastic	25,981	33,427	36,010	No	No	No	High school diploma or equivalent	No	0	No	No
	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and											
51-4034	Plastic	27,495	38,320	47,078	No	No	No	High school diploma or equivalent	No	-	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	28,247	46,961	50,332	No	No	No	Postsecondary nondegree award	No		Yes	No
51-4041	Machinists	31,203	48,999	58,228	No	No	No	Postsecondary nondegree award	No		Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	35,360	45,526	52,626	Yes	No	No	High school diploma or equivalent	Ye		No	No
51-4052	Pourers and Casters, Metal	29,375	45,927	55,699	No	No	No	High school diploma or equivalent	No		No	Yes
51-4061	Model Makers, Metal and Plastic	46,748	53,964	54,447	Yes	No	No	High school diploma or equivalent	Ye		Yes	Yes
51-4062	Patternmakers, Metal and Plastic	26,580	49,726	76,837	No	No	Yes	Postsecondary nondegree award	No		Yes	Yes
51-4071	Foundry Mold and Coremakers	23,771	37,914	54,976	No	No	No	High school diploma or equivalent	No	0	No	Yes
	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders,											
51-4072	Metal and Plastic	28,697	37,154	37,797	No	No	No	High school diploma or equivalent	No		No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	30,530	39,010	40,039	No	No	No	High school diploma or equivalent	Ye		No	No
51-4111	Tool and Die Makers	40,809	59,240	69,675	Yes	Yes	Yes	Postsecondary nondegree award	Ye		Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	33,713	47,485	52,375	No	No	No	Postsecondary nondegree award	Ye		Yes	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	31,397	37,508	39,126	No	No	No	Postsecondary nondegree award	No		No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	31,498	42,677	49,367	No	No	No	High school diploma or equivalent	Ye		No	No
51-4192	Layout Workers, Metal and Plastic	33,419	47,019	51,812	No	No	No	High school diploma or equivalent	Ye		Yes	No
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	30,391	41,558	46,117	No	No	No	High school diploma or equivalent	Ye		No	No
51-4194	Tool Grinders, Filers, and Sharpeners	34,281	38,887	40,168	Yes	No	No	High school diploma or equivalent	Ye	?S	No	No
51-4199	Metal Workers and Plastic Workers, All Other	29,296	38,275	44,875	No	No	No	High school diploma or equivalent	No	D	No	No
51-5111	Prepress Technicians and Workers	31,724	40,106	45,787	No	No	No	Postsecondary nondegree award	Ye	?S	No	No
51-5112	Printing Press Operators	27,247	37,835	44,124	No	No	No	High school diploma or equivalent	No)	No	No
51-5113	Print Binding and Finishing Workers	26,990	38,576	44,687	No	No	No	High school diploma or equivalent	No)	No	No
51-6011	Laundry and Dry-Cleaning Workers	22,545	28,740	31,567	No	No	No	No formal educational credential	No	0	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	24,172	29,643	29,881	No	No	No	No formal educational credential	Ye	es .	No	No
51-6031	Sewing Machine Operators	22,526	32,153	37,097	No	No	No	No formal educational credential	No	0	No	Yes
51-6041	Shoe and Leather Workers and Repairers	23,577	34,972	37,232	No	No	No	High school diploma or equivalent	No	0	No	No
51-6042	Shoe Machine Operators and Tenders	26,639	38,487	45,533	No	No	No	High school diploma or equivalent	No	0	No	No
51-6051	Sewers, Hand	21,699	29,326	29,896	No	No	No	No formal educational credential	No	D	No	No
51-6052	Tailors, Dressmakers, and Custom Sewers	27,991	36,664	38,652	No	No	No	No formal educational credential	Ye	25	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	22,713	27,200	27,800	No	No	No	High school diploma or equivalent	No	0	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	23,985	35,259	39,689	No	No	No	High school diploma or equivalent	No		No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	27,161	31,235	34,010	No	No	No	High school diploma or equivalent	No	0	No	No
	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and											
51-6064	Tenders	22,900	33,055	37,572	No	No	No	High school diploma or equivalent	No)	No	No
	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and											
51-6091	Glass Fibers	42,232	55,734	58,317	Yes	Yes	No	High school diploma or equivalent	Ye	es .	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	26,580	49,726	76,837	No	No	Yes	High school diploma or equivalent	No	0	Yes	Yes
51-6093	Upholsterers	31,327	38,802	42,310	No	No	No	High school diploma or equivalent	Ye	es .	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	29,119	35,389	41,343	No	No	No	High school diploma or equivalent	No)	No	No
51-7011	Cabinetmakers and Bench Carpenters	31,534	42,188	47,490	No	No	No	High school diploma or equivalent	Ye	es	No	No
51-7021	Furniture Finishers	36,933	46,204	50,518	Yes	No	No	High school diploma or equivalent	Ye	es .	No	No
51-7031	Model Makers, Wood	32,534	51,241	59,635	No	No	No	High school diploma or equivalent	Ye	es .	Yes	Yes
51-7032	Patternmakers, Wood											
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	26,738	34,642	38,203	No	No	No	High school diploma or equivalent	No		No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	26,426	34,394	39,057	No	No	No	High school diploma or equivalent	No	0	No	No
51-7099	Woodworkers, All Other	27,102	32,091	32,435	No	No	No	High school diploma or equivalent	No	0	No	No
51-8011	Nuclear Power Reactor Operators	47,777	75,381	95,436	Yes	Yes	Yes	Postsecondary nondegree award	Ye	es .	Yes	Yes
51-8012	Power Distributors and Dispatchers	74,022	93,847	103,719	Yes	Yes	Yes	High school diploma or equivalent	Ye	es .	Yes	Yes
51-8013	Power Plant Operators	48,972	73,869	83,964	Yes	Yes	Yes	Postsecondary nondegree award	Ye		Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	48,226	55,441	61,936	Yes	Yes	No	Postsecondary nondegree award	Ye		Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	33,638	51,028	60,166	No	No	No	Postsecondary nondegree award	Ye	es .	Yes	Yes
51-8091	Chemical Plant and System Operators	40,819	53,340	64,298	Yes	No	Yes	Associate's degree	Ye		No	No
51-8092	Gas Plant Operators	34,020	51,290	62,017	Yes	No	No	High school diploma or equivalent	Ye	es .	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	47,708	61,918	78,018	Yes	Yes	Yes	High school diploma or equivalent	Ye	es .	Yes	Yes
51-8099	Plant and System Operators, All Other	33,790	52,192	63,315	No	No	Yes	Postsecondary nondegree award	Ye	25	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	29,845	45,450	48,942	No	No	No	High school diploma or equivalent	No	0	No	No
	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,								1 1			
	Operators, and Tenders	26,459	40,584	44,815	No	No	No	High school diploma or equivalent	No	D	No	No
51-9012		27,617	37,509	45,357	No	No	No	High school diploma or equivalent	No		No	No
51-9012 51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders		36,066	42,668	No	No	No	No formal educational credential	Ye		Yes	Yes
	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders Grinding and Polishing Workers, Hand	25,340				No			No		No	No
51-9021		25,340 28,344	39,266	44,099	No	INO	No	High school diploma or equivalent				
51-9021 51-9022	Grinding and Polishing Workers, Hand			44,099 37,672	No No	No	No No	No formal educational credential	No		Yes	Yes
51-9021 51-9022 51-9023 51-9031	Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand	28,344	39,266	37,672				No formal educational credential		0	Yes	Yes
51-9021 51-9022 51-9023	Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Slicing Machine Setters, Operators, and Tenders	28,344 21,948	39,266 32,906		No	No	No		No	0		
51-9021 51-9022 51-9023 51-9031	Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand	28,344 21,948	39,266 32,906 37,978	37,672	No No	No No	No No	No formal educational credential High school diploma or equivalent	No No	0	Yes No	Yes No
51-9021 51-9022 51-9023 51-9031 51-9032	Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	28,344 21,948 28,627 32,749	39,266 32,906 37,978 38,291	37,672 43,031	No	No	No	No formal educational credential High school diploma or equivalent High school diploma or equivalent	No	0 0	Yes	Yes
51-9021 51-9022 51-9023 51-9031 51-9032 51-9041	Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	28,344 21,948 28,627 32,749 30,182	39,266 32,906 37,978 38,291 38,655	37,672 43,031 41,944 43,388	No No	No No	No No	No formal educational credential High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent	No No Ye	D D D D D D D D D D D D D D D D D D D	Yes No	Yes No
51-9021 51-9022 51-9023 51-9031 51-9032 51-9041 51-9051	Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	28,344 21,948 28,627 32,749	39,266 32,906 37,978 38,291	37,672 43,031 41,944	No No No	No No No	No No No	No formal educational credential High school diploma or equivalent High school diploma or equivalent	No No Ye	es 0	Yes No No	Yes No No

Wages - Workforce Region 12

51-9151 51-9161 51-9162 51-9191 51-9192 51-9193	Occupational Title Medical Appliance Technicians Ophthalmic Laboratory Technicians Packaging and Filling Machine Operators and Tenders Painting, Coating, and Decorating Workers Coating, Painting, and Spraying Machine Setters, Operators, and Tenders Semiconductor Processing Technicians Photographic Process Workers and Processing Machine Operators	Representative Starting Wage (\$) 28,630 28,824 23,233 25,224	Average Annual Wage (\$) 40,881	High-Level Wage Threshold (\$)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-9082 51-9083 51-9111 51-9123 51-9124 51-9141 51-9161 51-9162 51-9193 51-9193 51-9193	Medical Appliance Technicians Ophthalmic Laboratory Technicians Packaging and Filling Machine Operators and Tenders Painting, Coating, and Decorating Workers Coating, Painting, and Spraying Machine Setters, Operators, and Tenders Semiconductor Processing Technicians	28,630 28,824 23,233	40,881	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-9083 51-9111 51-9123 51-9124 51-9141 51-9161 51-9161 51-9192 51-9193 51-9194	Ophthalmic Laboratory Technicians Packaging and Filling Machine Operators and Tenders Painting, Coating, and Decorating Workers Coating, Painting, and Spraying Machine Setters, Operators, and Tenders Semiconductor Processing Technicians	28,824 23,233									
51-9083 51-9111 51-9123 51-9124 51-9141 51-9161 51-9161 51-9192 51-9193 51-9194	Ophthalmic Laboratory Technicians Packaging and Filling Machine Operators and Tenders Painting, Coating, and Decorating Workers Coating, Painting, and Spraying Machine Setters, Operators, and Tenders Semiconductor Processing Technicians	28,824 23,233							1		
51-9111 51-9123 51-9124 51-9141 51-9151 51-9161 51-9162 51-9192 51-9193 51-9193	Packaging and Filling Machine Operators and Tenders Painting, Coating, and Decorating Workers Coating, Painting, and Spraying Machine Setters, Operators, and Tenders Semiconductor Processing Technicians	23,233		49,989	NO No	No	No	Postsecondary nondegree award	NO No	No	No
51-9123 51-9124 51-9141 51-9161 51-9162 51-9192 51-9192 51-9193 51-9194	Painting, Coating, and Decorating Workers Coating, Painting, and Spraying Machine Setters, Operators, and Tenders Semiconductor Processing Technicians		36,552 35,091	39,454 39,437	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
51-9124 51-9141 51-9151 51-9161 51-9162 51-9191 51-9192 51-9193 51-9194	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders Semiconductor Processing Technicians		36,215	42,681	No No	No	No	High school diploma or equivalent High school diploma or equivalent	No No	No	No
51-9141 51-9151 51-9161 51-9162 51-9191 51-9192 51-9193 51-9194	Semiconductor Processing Technicians	31,560	43,169	47,305	No	No	No		Yes	No	No
51-9151 51-9161 51-9162 51-9191 51-9192 51-9193 51-9194		38,132	49,234	50,822	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-9161 51-9162 51-9191 51-9192 51-9193 51-9194		23,405	32.956	37.033	No	No	No	High school diploma or equivalent High school diploma or equivalent	No No	No	No
51-9162 51-9191 51-9192 51-9193 51-9194	Computer Numerically Controlled Tool Operators	29,879	42,230	47,145	No	No	No	Postsecondary nondegree award	No.	No	No
51-9191 51-9192 51-9193 51-9194	Computer Numerically Controlled Tool Programmers	41,697	61,721	69.016	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9192 51-9193 51-9194	Adhesive Bonding Machine Operators and Tenders	22,900	33,055	37,572	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	23,270	35,319	43,046	No	No	No	High school diploma or equivalent	No	No	No
	Cooling and Freezing Equipment Operators and Tenders	27,170	45,032	47,964	No	No	No	High school diploma or equivalent	No	No	No
E1 010E	Etchers and Engravers	31,200	35,424	38,491	No	No	No	High school diploma or equivalent	Yes	No	No
31-2132	Molders, Shapers, and Casters, Except Metal and Plastic	30,718	39,251	44,387	No	No	No	High school diploma or equivalent	Yes	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	24,338	38,002	47,678	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	28,578	36,982	39,963	No	No	No	High school diploma or equivalent	No	No	No
51-9198	HelpersProduction Workers	22,222	31,858	36,446	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	23,768	33,508	36,932	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	38,305	58,942	76,508	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
	First-Line Supervisors of Transportation and Material Moving Workers, Except										
	Aircraft Cargo Handling Supervisors	33,331	57,976	69,066	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
	Airline Pilots, Copilots, and Flight Engineers	141,959	242,172	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	24,484	104,064	131,818	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-2021	Air Traffic Controllers	83,470	131,283	154,648	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	32,925	46,172	50,325	No	No	No	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	35,584	67,919	77,634	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	25,340	30,172	32,032	No	No	No	High school diploma or equivalent	No	No	No
	Driver/Sales Workers	20,800	30,302	37,824	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	34,163	50,953	58,092	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033 53-3051	Light Truck Drivers Bus Drivers, School	27,426	44,330	48,070	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, School Bus Drivers, Transit and Intercity	30,034 28.724	34,639 42,361	36,543 52,448	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
53-3053	Shuttle Drivers and Chauffeurs	28,724	42,361 32.032	36.098	No No	No	No	High school diploma or equivalent	No No	No	No
53-3054	Taxi Drivers	20,538	31,185	31,432	No	No	No	High school diploma or equivalent No formal educational credential	No	No	No
53-3099	Motor Vehicle Operators, All Other	22,534	32,019	36,176	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	55,689	67.646	73.078	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	31,687	53,121	51,172	No.	No.	No.	High school diploma or equivalent	Yes	Yes	No.
	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	38,507	58,228	60.905	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	62,361	70,391	73,127	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	28,755	41,095	51,615	No	No	No	High school diploma or equivalent	No	No	No
53-4099	Rail Transportation Workers, All Other	40,603	41,282	40,613	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-5011	Sailors and Marine Oilers	28,656	44,815	49,440	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	36,280	61,129	71,691	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	27,757	44,881	48,840	No	No	No	Postsecondary nondegree award	No	No	No
53-5031	Ship Engineers	71,415	96,725	107,649	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	23,697	31,530	35,801	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	21,732	28,553	31,212	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	23,239	32,404	36,633	No	No	No	No formal educational credential	No	Yes	Yes
	Aircraft Service Attendants	30,361	37,298	37,507	No	No	No	High school diploma or equivalent	Yes	No	No
53-6041	Traffic Technicians	30,154	42,631	44,330	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	48,319	90,675	113,907	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	20,941	32,071	37,484	No	No	No	High school diploma or equivalent	No	No	No
53-6099	Transportation Workers, All Other	20,800	29,333	30,870	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	30,713	33,959	34,885	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7021	Crane and Tower Operators	38,722	65,955	75,880	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
	Dredge Operators	35,141	46,577	48,505	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
53-7041	Hoist and Winch Operators	31,746	49,745	50,975	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	30,617	41,279	44,992	No No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061 53-7062	Cleaners of Vehicles and Equipment	22,556 26,058	30,227 35,667	33,136 38,563	No No	No No	No No	No formal educational credential	No Yes	No Yes	No Yes
	Laborers and Freight, Stock, and Material Movers, Hand							No formal educational credential			
	Machine Feeders and Offbearers Packers and Packagers, Hand	24,482 23.330	38,131	45,718 29.120	No No	No No	No No	No formal educational credential	Yes No	Yes	Yes No
53-7065	Stockers and Order Fillers	23,330	27,630 33,395	29,120 35.011	No No	No No	No No	No formal educational credential	No No	No No	No No
	Gas Compressor and Gas Pumping Station Operators	26,809 31.995	33,395 33,982	35,011 34,015	No No	No No	No No	High school diploma or equivalent	No Yes	No No	No No
53-7072	Pump Operators, Except Wellhead Pumpers	31,995	33,982 47,795	54,015 54,274	Yes	No No	No No	High school diploma or equivalent High school diploma or equivalent	Yes	No Yes	Yes
	Pump Operators, Except Wellnead Pumpers Wellhead Pumpers	35,975	36,037	33,478	Yes No	No No	No No		Yes No	Yes No	Yes No
53-7073	Refuse and Recyclable Material Collectors	29.633		48.916	No	No		High school diploma or equivalent			
53-7081	Tank Car, Truck, and Ship Loaders	42,670	42,115 59.468	48,916 60,383	Yes	Yes	No No	No formal educational credential No formal educational credential	Yes Yes	Yes	Yes Yes
	Material Moving Workers, All Other	42,670 28,990	38,022	39,720	Yes No	Yes No	No No	No formal educational credential No formal educational credential	Yes	Yes	Yes

 $[\]ensuremath{^{*}}$ indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

Summary - Workforce Region 12

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	33,920	54,909	62,207	830
No formal educational credential	23,522	32,239	34,858	85
High school diploma or equivalent	30,325	46,572	53,327	237
Some college, no degree	29,426	41,296	45,020	49
Postsecondary nondegree award	31,506	46,450	53,601	90
Associate's degree	39,272	57,438	65,736	68
Bachelor's degree	49,579	91,102	105,629	185
Master's degree	52,095	82,313	94,994	43
Doctoral or professional degree	68,379	150,313	155,125	73

	Representative	Starting Wage	Average Ar	nual Wage	High-Level Wage Threshold			
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric		
All Occupations	483	347	492	338	482	348		
No formal educational credential	36.47%	63.53%	34.12%	65.88%	32.94%	67.06%		
High school diploma or equivalent	60.76%	39.24%	77.64%	22.36%	80.59%	19.41%		
Some college, no degree	34.69%	65.31%	28.57%	71.43%	18.37%	81.63%		
Postsecondary nondegree award	45.56%	54.44%	34.44%	65.56%	38.89%	61.11%		
Associate's degree	58.82%	41.18%	50.00%	50.00%	45.59%	54.41%		
Bachelor's degree	66.49%	33.51%	67.03%	32.97%	64.86%	35.14%		
Master's degree	76.74%	23.26%	62.79%	37.21%	51.16%	48.84%		
Doctoral or professional degree	73.97%	26.03%	67.12%	32.88%	63.01%	36.99%		

Page	Vages - Workforce Re Nay 2022	egion 13	Annual W	/ages (\$) by Occupat	ion	Wage Meet	e or Evenade All (Occupation Metric		1	Wage Meets	or Exceeds Education	nal Level Metric
No. Section 1988	, 2022												High-Level Wage
Second Column 1855 1850	Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
Second Column 1855 1850													
Section Company Comp					*								
				-, -									
Mathy Math		0	,	,	,								
	11-2021		.,	, .	. , .								
Math Products Answers	11-2022												
Product Stand Mongraphy 1,000 1,	11-2032												
Selfer interangement of the Se	11-2033								Ÿ				
Semination and Information Systems Systems 1,50,00	11-3012		54,609	106,861		Yes	Yes	Yes			Yes	Yes	Yes
	11-3013		49,982	92,751	112,174	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
	11-3021	Computer and Information Systems Managers	97,827	157,898	175,140	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
	11-3031					Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
	11-3051												
Component and affinish Swages	11-3061												
13.33 Taining and bookpaned throughes 70.04 11.95.05 10.05									Ÿ.				
				,						-			
Controlled Con	11-9013		-,-	. ,	,								
	11-9021												
Securits Administration, Sovergrein through Resources 30,75 \$1,40 \$10,00 \$	11-9031												
	11-9032												
	11-9033												
Additional Antifigenesing Antispures 11,13,765 144,888 177,157 175	11-9039	Education Administrators, All Other		79,250					· ·	1			
1907 Containing Manageria Manage	11-9041	Architectural and Engineering Managers	119,766	164,888	177,192	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
1992 Continuent and thousands however, surging changing 36,177 62,083 81,483 10 10 10 10 10 10 10 1	11-9051			,	,								
1983 Colgny Managers	11-9071		,	-,	-, -								
19-11	11-9072												
1912 Section Sections and Main September Section 14,000 12,000 14,000 15,000 14,000 15,000 14,000 15,000 14	11-9081												
Post part Post													
1944 Property, Notification Antagener 18,715 X4,727 101,447 Ves Ves Ves Ves Ves Ves Described or degree No			,	,									
1935 Social and Community Service Managers													
1965 Friegraphy Allangement Directors		, , , , , , , , , , , , , , , , , , , ,		,	,								
1977 Foural Home Managers 45,679 75,981 79,082 75 75 75 75 75 75 75 7	11-9161		.,										
19179 Personal Service Managers, All Other	11-9171												
Managers, All Other	11-9179												
	11-9199												
Buyer and Purchasing Agents 44,000 76,755 97,000 Ves Ves Ves Sachebri's Agence No No No No No 10013 Claims Aginters, Entirely and Integrations 44,004 64,313 77,931 Ves Ves Ves Ves Consciolage, no degree Ves V	13-1011		29,259	93,856	152,910		Yes	Yes			No	No	Yes
1-10-22-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-	13-1020	Buyers and Purchasing Agents	41,630	76,755	97,020	Yes	Yes	Yes			No	No	No
19.00 19.0	13-1031		44,084	66,193	77,938	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
1,000	13-1032						Yes	Yes	Postsecondary nondegree award				
Author A	13-1041												
Samulabor Contractors	13-1051												
Abor Abord			36,982	70,792	85,826	Yes	Yes	Yes	Bachelor's degree		No	No	No
1-1081 Logisticians A7,336 83,028 101,929 Ves Ves Bachelor's degree No			20.000	64.040	02.252								
Project Management Specialists 50,612 103,599 132,509 Ves Ves Ves Bachelor's degree No													
State Stat			,	,-	. ,								
Fundrialers	13-1121												
31.141 Compensation, Benefits, and Job Analysis Specialists 33.844 67.150 76.955 Ves Ves Ves Bachelor's degree No	13-1131												
13-151 Taining and Development Specialists 33,632 68,793 83,237 No Yes Yes Bachelor's degree No No No No No 3-1199 Business Operations's Specialists, All Other 38,402 80,285 100,365 Yes Yes Yes Bachelor's degree No No No No No No No	13-1141	Compensation, Benefits, and Job Analysis Specialists					Yes	Yes					
Market Research Analysts and Marketing Specialists 33,944 71,677 85,236 No. Yes Yes Bachelor's degree No. No. No. No. 2011	13-1151												
Business Operations Specialists, All Other 38,402 80,285 100,365 Ves Ves Ves Bachelor's degree No No No No No No No	13-1161	Market Research Analysts and Marketing Specialists					Yes	Yes	Bachelor's degree	1	No		No
2-2020 Property Appraisers and Assessors 38,551 65,115 63,852 Ves Ves No Bachelor's degree No No No No No 2-2051 Budget Analysts 48,603 84,851 103,180 Ves Ves Ves Ves Bachelor's degree Ves No No No 3-2051 Financial and Investment Analysts 61,447 84,882 100,599 Ves Ves Ves Ves Bachelor's degree Ves No No No 2-2051 Financial and Investment Analysts 61,447 84,882 100,599 Ves Ves Ves Ves Bachelor's degree Ves No No No 3-2052 Personal Financial Advisors 30,574 95,555 95,440 No Ves Ves Ves Bachelor's degree No No Ves No 3-2053 Insurance Underwriters 52,416 74,087 85,191 Ves Ves Ves Ves Bachelor's degree No	13-1199	Business Operations Specialists, All Other	38,402		100,365		Yes	Yes			No	No	No
Budget Analysts	13-2011												
2-2041 Credit Analysts	13-2020												
Sache Financial and Investment Analysts 61,447 84,882 100,599 Yes Yes Personal Financial Advisors 30,574 95,555 95,440 No Yes Yes Bachelor's degree Yes No No Yes No No Yes Yes Sachelor's degree No No No No No No No	13-2031												
Personal Financial Advisors 30,574 95,555 95,440 No Yes Yes Bachelor's degree No Yes No No No No No No No N	13-2041												
1.5 1.5	13-2051												
3-2054 Financial Risk Specialists 40,035 80,894 100,110 Yes Yes Yes Bachelor's degree No No No No 2-2061 Financial Examiners 43,581 76,616 93,924 Yes Yes Yes Bachelor's degree No										1			
Financial Examiners 43,581 76,616 93,924 Yes Yes Yes Yes Bachelor's degree No No No No No No No			,							-			
2-2071 Credit Counselors 33,269 47,962 48,274 No No No Bachelor's degree No No No No S-2072 Loan Officers 32,661 71,230 80,734 No Yes Yes Bachelor's degree No	13-2054									1			
32,661 71,230 80,734 No Yes Yes Bachelor's degree No No No No No No No	13-2061			,									
3-2081 Tax Examiners and Collectors, and Revenue Agents 30,347 40,784 34,646 No No No No Bachelor's degree No No No No Postecondary nondegree award No N	13-2072		,	,									
3-2082 Tax Preparers 22,322 45,928 61,407 No No No Postsecondary nondegree award No Yes Yes 9-2099 Financial Specialists, All Other 38,503 77,543 98,087 Yes Yes 9-8 Bachelor's degree No	13-2081									1			
Financial Specialists, All Other Sa,503 77,543 88,087 Yes Yes Yes Bachelor's degree No No No No No No No	13-2082												
Computer Systems Analysts G2,033 102,787 120,857 Ves V	13-2099												
5-1212 Information Security Analysts 65,081 105,696 127,483 Yes Yes Yes Bachelor's degree Yes Yes Yes Yes S-1221 Computer and Information Research Scientists 79,176 139,778 194,963 Yes Yes Yes Master's degree Yes Yes Yes Yes Yes Yes Yes Yes Yes Y	15-1211												
5-1231 Computer Network Support Specialists 47,588 71,086 80,625 Yes Yes Associate's degree Yes Yes Yes 5-1232 Computer User Support Specialists 32,782 54,273 63,218 No No No No Postsecondary nondegree award Yes Yes Yes 5-1241 Computer Network Architects 76,732 112,848 135,501 Yes Yes Yes Bachelor's degree Yes Yes Yes 5-1242 Database Administrators 52,639 101,407 127,480 Yes Yes Yes Bachelor's degree No Yes Yes Yes	15-1212		,	105,696	127,483				Bachelor's degree				
5-1232 Computer User Support Specialists 32,782 54,273 63,218 No No No Postsecondary nondegree award Yes Yes Yes 1-1241 Computer Network Architects 75,732 112,848 135,501 Yes Yes Bachelor's degree Yes Yes Yes Yes Yes Yes Yes Yes Yes Y	15-1221	Computer and Information Research Scientists	79,176	139,778	194,963		Yes	Yes			Yes	Yes	Yes
5-1232 Computer User Support Specialists 32,782 54,273 63,218 No No No Postsecondary nondegree award Yes Yes Yes 1-1241 Computer Network Architects 76,732 112,848 135,501 Yes Yes Yes Bachelor's degree Yes Yes Yes S-1242 Database Administrators 52,639 101,407 127,480 Yes Yes Yes Yes Bachelor's degree No Yes Yes Yes Yes S-1242 No	15-1231					Yes	Yes	Yes			Yes	Yes	Yes
5-1242 Database Administrators 5.2,639 101,407 127,480 Yes Yes Yes Bachelor's degree No Yes Yes	15-1232					No	No	No			Yes	Yes	Yes
	15-1241												
5-1243 Database Architects 69,259 125,750 155,138 Yes Yes Bachelor's degree Yes Yes Yes Yes	15-1242												
	15-1243	Database Architects	69,259	125,750	155,138	Yes	Yes	Yes	Bachelor's degree	1	Yes	Yes	Yes

Wages - Workforce Re May 2022	egion 13	Annual M	ages (\$) by Occupat	tion	Wage Meet	s or Evenode All C	Occupation Metric			Wage Moets	or Evenode Educat	tional Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu			Re	epresentative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		arting Wage	Wage	Threshold
15-1244	Network and Computer Systems Administrators	61,048	93,988	107,243	Yes	Yes	Yes	Bachelor's degree	Ye		No	No
15-1251 15-1252	Computer Programmers	51,913 78.444	84,560 121.662	99,469 137,549	Yes	Yes	Yes	Bachelor's degree	No		No	No
15-1252 15-1253	Software Developers Software Quality Assurance Analysts and Testers	78,444 48.869	121,662 94.983	137,549	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	Ye No		Yes No	Yes No
15-1254	Web Developers	48,869	94,983	128.010	Yes	Yes	Yes	Associate's degree	Ye		Yes	Yes
15-1255	Web Developers Web and Digital Interface Designers	33.957	79,233	97,482	No	Yes	Yes	Associate's degree	No.		Yes	Yes
15-1299	Computer Occupations, All Other	47,901	85,954	107,682	Yes	Yes	Yes	Bachelor's degree	No		No	No
15-2011	Actuaries	69.260	122.285	131.817	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
15-2021	Mathematicians	39,025	92,734	127,525	Yes	Yes	Yes	Master's degree	No		Yes	Yes
15-2031	Operations Research Analysts	51,071	89,202	107,682	Yes	Yes	Yes	Bachelor's degree	No	د	No	No
15-2041	Statisticians	39,728	81,777	99,056	Yes	Yes	Yes	Master's degree	No	د	No	Yes
15-2051	Data Scientists	64,128	107,152	114,989	Yes	Yes	Yes	Bachelor's degree	Ye	:S	Yes	Yes
15-2099	Mathematical Science Occupations, All Other	39,728	81,777	99,056	Yes	Yes	Yes	Bachelor's degree	No		No	No
17-1011	Architects, Except Landscape and Naval	46,935	96,714	102,067	Yes	Yes	Yes	Bachelor's degree	No		Yes	No
17-1012	Landscape Architects	37,308	65,328	75,026	Yes	Yes	Yes	Bachelor's degree	No		No	No
17-1021	Cartographers and Photogrammetrists	41,134	75,164	81,451	Yes	Yes	Yes	Bachelor's degree	No		No	No
17-1022	Surveyors	35,166	67,861	78,000	No	Yes	Yes	Bachelor's degree	No	-	No	No
17-2011 17-2021	Aerospace Engineers	79,348	123,158	145,974	Yes	Yes	Yes	Bachelor's degree	Ye	S	Yes	Yes
	Agricultural Engineers	50.004	05.000	420.744	.,		v					
17-2031 17-2041	Bioengineers and Biomedical Engineers	58,021 73.954	96,392 103,672	120,744 123.531	Yes	Yes	Yes Yes	Bachelor's degree	Ye Ye		Yes	Yes
17-2041 17-2051	Chemical Engineers Civil Engineers	73,954 58,605	103,672	123,531 132,919	Yes Yes	Yes Yes	Yes Yes	Bachelor's degree Bachelor's degree	Ye		Yes	Yes Yes
17-2051	Computer Hardware Engineers	66,909	131.912	171,692	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
17-2061	Electrical Engineers	64,335	131,912	171,692	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	Ye		Yes	Yes
17-2072	Electronics Engineers, Except Computer	79,476	111,891	127,143	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
17-2081	Environmental Engineers	34.684	86.515	113.443	No.	Yes	Yes	Bachelor's degree	No.		No	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	72,773	104,948	123.531	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
17-2112	Industrial Engineers	65,591	96,423	102,602	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	No
17-2121	Marine Engineers and Naval Architects	63,995	100,122	102,491	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	No
17-2131	Materials Engineers	70,498	109,533	130,998	Yes	Yes	Yes	Bachelor's degree	Ye	.s	Yes	Yes
17-2141	Mechanical Engineers	64,620	96,666	117,187	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	45,308	94,373	106,149	Yes	Yes	Yes	Bachelor's degree	No	د	No	No
17-2161	Nuclear Engineers	79,124	114,041	123,603	Yes	Yes	Yes	Bachelor's degree	Ye	.s	Yes	Yes
17-2171	Petroleum Engineers	65,562	128,090	153,671	Yes	Yes	Yes	Bachelor's degree	Ye	.s	Yes	Yes
17-2199	Engineers, All Other	65,811	119,913	145,974	Yes	Yes	Yes	Bachelor's degree	Ye	.s	Yes	Yes
17-3011	Architectural and Civil Drafters	38,913	62,265	74,664	Yes	Yes	Yes	Associate's degree	No)	Yes	Yes
17-3012	Electrical and Electronics Drafters	44,368	65,221	75,407	Yes	Yes	Yes	Associate's degree	Ye	.5	Yes	Yes
17-3013	Mechanical Drafters	37,392	67,879	84,343	Yes	Yes	Yes	Associate's degree	No		Yes	Yes
17-3019	Drafters, All Other	38,775	58,721	61,928	Yes	No	No	Associate's degree	No		No	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	51,608	86,575	106,843	Yes	Yes	Yes	Associate's degree	Ye		Yes	Yes
17-3022 17-3023	Civil Engineering Technologists and Technicians	37,014	51,907	58,009	Yes	No	No	Associate's degree	No		No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	40,067	58,359	61,879	Yes	No Yes	No	Associate's degree	No		No	No
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians Environmental Engineering Technologists and Technicians	44,850 30.625	69,445 45.084	78,441 50.957	Yes No	No.	Yes No	Associate's degree Associate's degree	Ye No		Yes No	Yes No
17-3025	Industrial Engineering Technologists and Technicians	46,582	59,224	63,088	Yes	Yes	No	Associate's degree	Ye		No	No
17-3027	Mechanical Engineering Technologists and Technicians	41,270	61,617	64,433	Yes	Yes	No	Associate's degree	Ye		Yes	No
17-3028	Calibration Technologists and Technicians	37.837	52,947	61.067	Yes	No	No	Associate's degree	No.		No	No
17-3029	Engineering Technologists and Technicians, Except Drafters, All Other	39,000	82,478	114,234	Yes	Yes	Yes	Associate's degree	No		Yes	Yes
17-3031	Surveying and Mapping Technicians	30,949	47.363	59.425	No	No	No	Associate's degree	No		No	No
19-1011	Animal Scientists	36,411	79,650	118,754	No	Yes	Yes	Master's degree	No	5	No	Yes
19-1012	Food Scientists and Technologists	38,713	76,870	105,895	Yes	Yes	Yes	Bachelor's degree	No		No	No
19-1013	Soil and Plant Scientists	38,879	81,026	101,056	Yes	Yes	Yes	Bachelor's degree	No		No	No
19-1021	Biochemists and Biophysicists	39,123	85,680	107,983	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
19-1022	Microbiologists	35,523	58,421	71,562	No	No	Yes	Master's degree	No		No	No
19-1023	Zoologists and Wildlife Biologists	31,200	43,811	50,149	No	No	No	Master's degree	No		No	No
19-1029	Biological Scientists, All Other	43,680	70,001	93,226	Yes	Yes	Yes	Bachelor's degree	No		No	No
19-1031 19-1032	Conservation Scientists	31,866	53,662	59,852	No	No	No	Bachelor's degree	No		No	No
	Foresters	36,469	58,938	69,406	No	Yes	Yes	Bachelor's degree	No		No	No
19-1041	Epidemiologists	56,469	84,987	100,012	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
19-1042	Medical Scientists, Except Epidemiologists	59,074	109,587	131,239	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
19-1099 19-2011	Life Scientists, All Other Astronomers	55,035	84,519	90,324	Yes	Yes	Yes	Bachelor's degree	Ye		No	No
19-2011	Astronomers Physicists	76,002 76,002	155,457 155,457	218,073 218,073	Yes Yes	Yes	Yes Yes	Doctoral or professional degree	Ye Ye		Yes	Yes Yes
19-2012	Atmospheric and Space Scientists	61.074	155,457 81.904	218,073 88,236	Yes	Yes	Yes	Doctoral or professional degree Bachelor's degree	Ye		Yes No	Yes No
19-2021	Chemists	51,549	81,904	110.864	Yes	Yes	Yes	Bachelor's degree	No.		No	No No
19-2032	Materials Scientists	67,192	113,319	132,569	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
	Environmental Scientists and Specialists, Including Health	36,566	66,607	78,067	Yes	Yes	Yes	Bachelor's degree	No		No	No
19-2041	Geoscientists, Except Hydrologists and Geographers	82.576	127,819	145.974	Yes	Yes	Yes	Bachelor's degree	Ye		Yes	Yes
			66,548	79,368	Yes	Yes	Yes	Bachelor's degree	No		No	No
19-2041 19-2042 19-2043							Yes	Bachelor's degree	Ye		Yes	Yes
19-2042	Hydrologists Physical Scientists, All Other	42,284 82,576	118,694	140,878	Yes	Yes						
19-2042 19-2043	Hydrologists		118,694 93,865	140,878 114,432	Yes	Yes	Yes		Ye		Yes	Yes
19-2042 19-2043 19-2099	Hydrologists Physical Scientists, All Other	82,576						Master's degree Master's degree		es.		
19-2042 19-2043 19-2099 19-3011	Hydrologists Physical Scientists, All Other Economists	82,576 59,104	93,865	114,432	Yes	Yes	Yes	Master's degree	Ye	es 0	Yes	Yes
19-2042 19-2043 19-2099 19-3011 19-3022	Hydrologists Physical Scientists, All Other Economist Survey Researchers Industrial-Organizational Psychologists	82,576 59,104 36,788 72,616	93,865 75,977 124,968	114,432 102,407	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Master's degree Master's degree	Ye No No	es 0	Yes No No	Yes Yes No
19-2042 19-2043 19-2099 19-3011 19-3022 19-3032	Hydrologists Physical Scientists, All Other Economists Survey Researchers	82,576 59,104 36,788	93,865 75,977	114,432 102,407 151,223	Yes Yes	Yes Yes	Yes Yes	Master's degree Master's degree Doctoral or professional degree	Ye No	es 0 0	Yes No	Yes Yes
19-2042 19-2043 19-2099 19-3011 19-3022 19-3032 19-3033 19-3034 19-3039	Hydrologists Physical Scientists, All Other Economists Survey Researchers Industrial-Organizational Psychologists Clinical and Counseling Psychologists	82,576 59,104 36,788 72,616 42,622 44,577 48,050	93,865 75,977 124,968 114,655 72,480 98,119	114,432 102,407 151,223 131,350	Yes Yes Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes	Yes Yes Yes Yes	Master's degree Master's degree Doctoral or professional degree Doctoral or professional degree	Ye No No	es D D D	Yes No No No	Yes Yes No
19-2042 19-2043 19-2099 19-3011 19-3022 19-3032 19-3033 19-3034	Hydrologists Physical Scientists, All Other Economists Survey Researchers Industrial-Organizational Psychologists Clinical and Counseling Psychologists School Psychologists	82,576 59,104 36,788 72,616 42,622 44,577	93,865 75,977 124,968 114,655 72,480	114,432 102,407 151,223 131,350 79,768	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes	Master's degree Master's degree Doctoral or professional degree Doctoral or professional degree Doctoral or professional degree	Ye No No No	es 0 0 0 0 0 0	Yes No No No No	Yes Yes No No

Wages - Workforce Re May 2022	egion 13	Annual W	ages (\$) by Occupat	ion	Wage Meet	s or Evenode All O	Occupation Metric			Wage Moets	or Evenode Educat	ional Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu			H	Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
19-3091 19-3092	Anthropologists and Archeologists	39,084	61,533	72,792	Yes	Yes	Yes	Master's degree		No	No	No
19-3092	Geographers Historians	55,035 35,123	84,519 70.158	90,324 95,495	Yes No	Yes Yes	Yes Yes	Master's degree		No No	Yes	No No
19-3093	Political Scientists	35,123	93,709	127.222	Yes	Yes	Yes	Master's degree Master's degree		No	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	62,442	97,966	110.864	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
19-4012	Agricultural Technicians	29.318	38,996	45,269	No	No	No.	Associate's degree		No	No	No
19-4013	Food Science Technicians	31,786	51,494	70,938	No	No	Yes	Associate's degree		No	No	Yes
19-4021	Biological Technicians	30,792	39,442	45,032	No	No	No	Bachelor's degree		No	No	No
19-4031	Chemical Technicians	34,892	49,918	53,510	No	No	No	Associate's degree		No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	37,758	48,552	61,498	Yes	No	No	Associate's degree		No	No	No
19-4043	Geological Technicians, Except Hydrologic Technicians	30,888	39,718	43,396	No	No	No	Associate's degree		No	No	No
19-4044	Hydrologic Technicians	35,230	55,065	65,855	No	No	No	Associate's degree		No	No	No
19-4051	Nuclear Technicians	38,147	61,962	78,655	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
19-4061	Social Science Research Assistants	36,173	58,220	73,657	No	No	Yes	Bachelor's degree		No	No	No
19-4071	Forest and Conservation Technicians	32,418	40,472	45,240	No	No	No	Associate's degree		No	No	No
19-4092	Forensic Science Technicians	36,157	45,898	45,459	No	No	No	Bachelor's degree		No	No	No
19-4099 19-5011	Life, Physical, and Social Science Technicians, All Other	21,216	45,426	58,552	No	No	No	Bachelor's degree		No	No	No
19-5011	Occupational Health and Safety Specialists	41,879	76,408	95,888	Yes	Yes	Yes	Bachelor's degree		No	No	No
21-1012	Occupational Health and Safety Technicians Educational, Guidance, and Career Counselors and Advisors	42,782 35,366	59,536 50,126	60,054 60,242	Yes No	Yes No	No No	Postsecondary nondegree award Master's degree		Yes No	Yes No	Yes No
21-1012	Marriage and Family Therapists	35,443	45,287	46,779	No	No	No			No	No	No
21-1015	Rehabilitation Counselors	21,490	37,395	46,779	No	No	No	Master's degree Master's degree		No	No	No
21-1013	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	36,836	56,912	65,456	Yes	No	No	Bachelor's degree		No	No	No
21-1019	Counselors, All Other	34.070	48.884	57,734	No	No	No	Master's degree		No	No	No
21-1021	Child, Family, and School Social Workers	31,967	44,473	50,919	No	No	No	Bachelor's degree		No	No	No
21-1022	Healthcare Social Workers	35,936	57,300	62,401	No	No	No	Master's degree		No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	29,517	47,527	58,068	No	No	No	Bachelor's degree		No	No	No
21-1029	Social Workers, All Other	38,418	53,952	66,664	Yes	No	No	Bachelor's degree		No	No	No
21-1091	Health Education Specialists	31,949	55,817	66,959	No	No	No	Bachelor's degree		No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	31,493	43,220	48,313	No	No	No	Bachelor's degree		No	No	No
21-1093	Social and Human Service Assistants	27,726	42,301	46,679	No	No	No	Some college, no degree		No	No	No
21-1094	Community Health Workers	30,376	49,512	70,519	No	No	Yes	Bachelor's degree		No	No	No
21-1099	Community and Social Service Specialists, All Other	25,463	72,918	80,833	No	Yes	Yes	Bachelor's degree		No	No	No
21-2011	Clergy	34,781	48,372	54,917	No	No	No	Master's degree		No	No	No
21-2021	Directors, Religious Activities and Education	31,176	53,468	59,887	No	No	No	Bachelor's degree		No	No	No
21-2099 23-1011	Religious Workers, All Other Lawyers	28,586 57,262	47,260 124,660	59,543 166,202	No Yes	No Yes	No Yes	Bachelor's degree		No No	No No	No Yes
23-1011	Judicial Law Clerks	36,459	55.269	61.972	No	No	No	Doctoral or professional degree Doctoral or professional degree		No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	41,601	91,436	113,544	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	,	,	,								
23-1023	Judges, Magistrate Judges, and Magistrates	41,601	91,436	113,544	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
23-2011	Paralegals and Legal Assistants	35,360	54,402	73,840	No	No	Yes	Associate's degree		No	No	Yes
23-2093	Title Examiners, Abstractors, and Searchers	36,827	51,243	55,781	Yes	No	No	High school diploma or equivalent		Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	30,909	82,921	136,136	No	Yes	Yes	Associate's degree		No	Yes	Yes
25-1011	Business Teachers, Postsecondary	47,754	87,441	95,735	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1021	Computer Science Teachers, Postsecondary	47,064	88,880	110,139	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	46,577	74,206	87,904	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1031	Architecture Teachers, Postsecondary	37,864	100,470	125,973	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1032	Engineering Teachers, Postsecondary	45,913	88,129	121,242	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1041 25-1042	Agricultural Sciences Teachers, Postsecondary Biological Science Teachers, Postsecondary	43,845 51,367	60,831 87,094	73,963 97,651	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1042	Forestry and Conservation Science Teachers, Postsecondary	43.845	60.831	73,963	Yes Yes	Yes	Yes Yes	Doctoral or professional degree		No No	No No	No No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	45,679	62,772	60,821	Yes	Yes	No No	Doctoral or professional degree Doctoral or professional degree		No	No	No
25-1051	Chemistry Teachers, Postsecondary	38.967	79,709	95,739	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1052	Environmental Science Teachers, Postsecondary	43.455	70,636	88.060	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1053	Physics Teachers, Postsecondary	46,811	62,918	62.177	Yes	Yes	No	Doctoral or professional degree		No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	45,679	83,231	97,787	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	47,445	65,416	75,104	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1063	Economics Teachers, Postsecondary	45,903	58,128	53,367	Yes	No	No	Doctoral or professional degree		No	No	No
25-1064	Geography Teachers, Postsecondary	45,679	62,772	60,821	Yes	Yes	No	Doctoral or professional degree		No	No	No
25-1065	Political Science Teachers, Postsecondary	44,323	62,411	57,630	Yes	Yes	No	Doctoral or professional degree		No	No	No
25-1066	Psychology Teachers, Postsecondary	46,557	79,933	90,919	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1067	Sociology Teachers, Postsecondary	46,752	98,451	117,583	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	45,259	63,689	74,938	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1071	Health Specialties Teachers, Postsecondary	46,450	91,631	99,368	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-1072	Nursing Instructors and Teachers, Postsecondary	47,074	78,207	92,460	Yes	Yes	Yes	Master's degree		No	No	No
25-1081	Education Teachers, Postsecondary	37,015	72,909	83,699	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1082 25-1111	Library Science Teachers, Postsecondary	47,299	72,450	79,836	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
	Criminal Justice and Law Enforcement Teachers, Postsecondary Law Teachers, Postsecondary	41,737 44,274	56,850 137.925	59,445 203.946	Yes	No	No Vec	Doctoral or professional degree		No No	No No	No Vec
	com reachers, resistentially	59,806	137,925 68,597	203,946 75,377	Yes Yes	Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree		No No	No No	Yes No
25-1112	Social Work Teachers Postsecondary						Yes			No	Yes	No
25-1112 25-1113	Social Work Teachers, Postsecondary Art. Drama, and Music Teachers, Postsecondary		85 116									
25-1112 25-1113 25-1121	Art, Drama, and Music Teachers, Postsecondary	45,825	85,446 78 187	96,129 96,987	Yes	Yes		Master's degree				
25-1112 25-1113	Art, Drama, and Music Teachers, Postsecondary Communications Teachers, Postsecondary	45,825 44,859	78,187	96,987	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1112 25-1113 25-1121 25-1122	Art, Drama, and Music Teachers, Postsecondary Communications Teachers, Postsecondary English Language and Literature Teachers, Postsecondary	45,825 44,859 43,386	78,187 67,055	96,987 76,802	Yes Yes	Yes Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree		No No	No No	No No
25-1112 25-1113 25-1121 25-1122 25-1123	Art, Drama, and Music Teachers, Postsecondary Communications Teachers, Postsecondary English Language and Literature Teachers, Postsecondary Foreign Language and Literature Teachers, Postsecondary	45,825 44,859	78,187 67,055 66,314	96,987 76,802 76,997	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree Doctoral or professional degree		No	No	No
25-1112 25-1113 25-1121 25-1122 25-1123 25-1124	Art, Drama, and Music Teachers, Postsecondary Communications Teachers, Postsecondary English Language and Literature Teachers, Postsecondary	45,825 44,859 43,386 40,108	78,187 67,055	96,987 76,802	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Doctoral or professional degree Doctoral or professional degree		No No No	No No No	No No No

Wages - Workforce Re Way 2022	egion 13	Annual W	ages (\$) by Occupat	tion	Wage Meet	e or Evenade All C	Occupation Metric		т т	Wage Meets	or Evenade Educat	tional Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu			-	Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	42,977	73,328	77,348	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1194 25-1199	Career/Technical Education Teachers, Postsecondary Postsecondary Teachers, All Other	35,752 36,245	64,510 64,226	75,879 75,758	No No	Yes	Yes	Master's degree	+	No	No	No
25-1199 25-2011	Preschool Teachers, Except Special Education	36,245 22,520	30.169	75,758 34.029	No No	Yes No	Yes No	Doctoral or professional degree Associate's degree	+	No No	No No	No No
25-2011	Kindergarten Teachers, Except Special Education	44.862	50,169	48.845	Yes	No	No	Bachelor's degree	+ - 1	No	No	No
25-2021	Elementary School Teachers, Except Special Education	45,579	51,588	59,290	Yes	No	No	Bachelor's degree	+ 1	No	No	No.
25-2021	Middle School Teachers, Except Special and Career/Technical Education	46,100	51,754	59,382	Yes	No	No	Bachelor's degree	+ 1	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	46,508	64.275	72,841	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	49,822	53,997	59,777	Yes	No	No	Bachelor's degree	1 1	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	47,349	52,230	59,015	Yes	No	No	Bachelor's degree	T f	No	No	No
25-2051	Special Education Teachers, Preschool	36,928	58,801	74,987	Yes	No	Yes	Bachelor's degree	T	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	31,483	46,227	56,613	No	No	No	Bachelor's degree	l i	No	No	No
25-2057	Special Education Teachers, Middle School	45,933	62,157	76,665	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2058	Special Education Teachers, Secondary School	49,801	53,463	60,062	Yes	No	No	Bachelor's degree		No	No	No
25-2059	Special Education Teachers, All Other	28,332	57,933	78,577	No	No	Yes	Bachelor's degree		No	No	No
	Adult Basic Education, Adult Secondary Education, and English as a Second											
25-3011	Language Instructors	36,469	56,118	72,265	No	No	Yes	Bachelor's degree	1 1	No	No	No
25-3021 25-3031	Self-Enrichment Teachers Substitute Teachers, Short-Term	22,856	37,650	44,528	No	No	No	Some college, no degree		No	No	No
25-3031	Tutors	21,391 20,800	30,468 34,105	30,688 39,028	No No	No No	No No	Bachelor's degree Bachelor's degree	+	No No	No No	No No
25-3041	Teachers and Instructors, All Other	20,800	53,661	66.664	No No	No.	No No		+	No	No	No
25-4011	Archivists	22,910	45,884	54,791	No No	No	No No	Bachelor's degree Master's degree	+	No	No No	No No
25-4011	Curators	25,669	57,172	72,815	No	No	Yes	Master's degree	1 1	No	No	No
25-4013	Museum Technicians and Conservators	29,171	46.040	54.889	No.	No	No	Bachelor's degree	1 1	No	No	No.
25-4022	Librarians and Media Collections Specialists	41.665	53.840	60.047	Yes	No	No	Master's degree	1 1	No	No	No
25-4031	Library Technicians	28,297	34,789	43,701	No	No	No	Associate's degree	1 1	No	No	No
25-9021	Farm and Home Management Educators	28,732	46,225	56,840	No	No	No	Master's degree	T	No	No	No
25-9031	Instructional Coordinators	43,189	59,754	59,714	Yes	Yes	No	Master's degree	l i	No	No	No
25-9044	Teaching Assistants, Postsecondary	20,674	32,118	39,962	No	No	No	Bachelor's degree		No	No	No
25-9045	Teaching Assistants, Except Postsecondary	22,958	28,874	29,014	No	No	No	Some college, no degree		No	No	No
25-9099	Educational Instruction and Library Workers, All Other	29,792	49,194	56,930	No	No	No	Bachelor's degree	\perp	No	No	No
27-1011	Art Directors	54,255	86,926	100,360	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	No	No
27-1012	Craft Artists	20,742	33,493	38,625	No	No	No	Some college, no degree	1 1	No	No	No
27-1013 27-1014	Fine Artists, Including Painters, Sculptors, and Illustrators Special Effects Artists and Animators	26,820 43.637	46,099 66.781	46,450 72,787	No	No	No Yes	Bachelor's degree		No No	No No	No No
27-1014	Artists and Related Workers, All Other	45,637 25,825	49,708	57,806	Yes No	Yes No	No No	Bachelor's degree Some college, no degree	+	No	Yes	Yes
27-1019	Commercial and Industrial Designers	32,982	65,876	80,295	No	Yes	Yes	Bachelor's degree	+	No	No No	No
27-1022	Fashion Designers	36,518	65.943	77,543	No No	Yes	Yes	Bachelor's degree	+ 1	No	No	No
27-1023	Floral Designers	23,702	32,221	34,754	No	No	No	High school diploma or equivalent	1 1	No	No	No
27-1024	Graphic Designers	34.088	58,922	65,613	No	Yes	No	Bachelor's degree	1 1	No	No	No
27-1025	Interior Designers	31,936	54,106	63,976	No	No	No	Bachelor's degree	1 1	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	26,651	34,831	37,728	No	No	No	Some college, no degree	T I	No	No	No
27-1027	Set and Exhibit Designers	35,601	45,006	46,596	No	No	No	Bachelor's degree		No	No	No
27-1029	Designers, All Other	28,410	59,738	73,592	No	Yes	Yes	Bachelor's degree		No	No	No
27-2011	Actors	29,386	33,513	31,308	No	No	No	Some college, no degree		Yes	No	No
27-2012	Producers and Directors	35,702	76,721	93,991	No	Yes	Yes	Bachelor's degree		No	No	No
27-2021	Athletes and Sports Competitors	24,771	63,201	62,850	No	Yes	No	Some college, no degree	\perp	No	Yes	Yes
27-2022	Coaches and Scouts	27,974	72,010	80,685	No	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-2023 27-2031	Umpires, Referees, and Other Sports Officials Dancers	20,703	45,191	45,425	No	No No	No	Some college, no degree		No	Yes	No
27-2031	Choreographers	29,386 29,386	33,513 33,513	31,308 31,308	No	No	No No	High school diploma or equivalent	+	No	No No	No No
27-2032	Music Directors and Composers	35,419	59,800	66,576	No No	Yes	No	Some college, no degree Bachelor's degree	+	Yes	No	No No
27-2041	Musicians and Singers	29.386	33,513	31.308	No No	No	No	Some college, no degree	+	Yes	No	No
27-2042	Disc Jockeys, Except Radio	21,659	59,221	58,645	No	Yes	No	Bachelor's degree	1 1	No	No	No.
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	21,659	59,221	58,645	No	Yes	No	Some college, no degree	1 1	No	Yes	Yes
27-3011	Broadcast Announcers and Radio Disc Jockeys	21,659	59,221	58,645	No	Yes	No	Bachelor's degree	1 1	No	No	No
27-3023	News Analysts, Reporters, and Journalists	35,367	70,675	84,324	No	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-3031	Public Relations Specialists	30,975	66,806	79,914	No	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-3041	Editors	36,919	78,003	100,418	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3042	Technical Writers	52,247	82,270	98,689	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3043	Writers and Authors	34,511	54,683	56,252	No	No	No	Bachelor's degree		No	No	No
27-3091	Interpreters and Translators	37,613	48,334	54,995	Yes	No	No	Bachelor's degree		No	No	No
27-3092	Court Reporters and Simultaneous Captioners	27,601	51,435	62,333	No	No	No	Postsecondary nondegree award	\perp	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	20,800	38,591	45,512	No	No	No	Associate's degree	1 1	No	No	No
27-4011	Audio and Video Technicians	36,178	61,265	76,116	No	Yes	Yes	Associate's degree	+	No	Yes	Yes
27-4012 27-4014	Broadcast Technicians	26,596	62,557	82,655	No No	Yes	Yes	Associate's degree	1 1	No	Yes	Yes
27-4014	Sound Engineering Technicians Lighting Technicians	26,381 29,259	66,109 48,079	98,373 59,172	No No	Yes No	Yes No	Associate's degree Associate's degree	1 1	No No	Yes No	Yes No
27-4015	Photographers	29,259	48,079 39,364	59,172 44,681	No No	No	No No	Some college, no degree	1 1	No	No	No No
27-4021	Camera Operators, Television, Video, and Film	30.312	45,974	52.842	No No	No	No	Bachelor's degree	1 1	No	No	No No
27-4032	Film and Video Editors	32,352	53,982	63,416	No	No	No	Bachelor's degree	1 1	No	No	No
27-4099	Media and Communication Equipment Workers, All Other	27,240	65,650	90,324	No	Yes	Yes	Associate's degree	1 1	No	Yes	Yes
29-1011	Chiropractors	39,280	86,544	94,541	Yes	Yes	Yes	Doctoral or professional degree	1 1	No	No	No
29-1021	Dentists, General	96,889	188,199	211,189	Yes	Yes	Yes	Doctoral or professional degree	1 1	Yes	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	51,250	221,770	*	Yes	Yes	Yes*	Doctoral or professional degree	1 1	No	Yes	Yes*
29-1023	Orthodontists	68,694	166,764	207,712	Yes	Yes	Yes	Doctoral or professional degree	1 1	No	Yes	Yes
29-1024	Prosthodontists	51,250	221,770	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*
29-1029	Dentists, All Other Specialists	51,250	221,770	*	Yes	Yes	Yes*	Doctoral or professional degree	1 1	No	Yes	Yes*
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Occupational Code 29-1031 29-1041 29-1051	Occupational Title		ages (\$) by Occupat Average Annual	High-Level Wage	Representative	Average Annu	Occupation Metric ual High-Level Wage					tional Level Metric
29-1031 29-1041	Occupational Title									al High-Level Wage		
29-1041			Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		ing Wage	Wage	Threshold
29-1041												
	Dietitians and Nutritionists	48,621	65,837	74,062	Yes	Yes	Yes	Bachelor's degree	No		No	No
29-1051	Optometrists	54,797	117,490 121.032	171,899 135,503	Yes	Yes	Yes	Doctoral or professional degree	No No		No No	Yes No
29-1071	Pharmacists Physician Assistants	72,283 76,974	121,032	135,503	Yes Yes	Yes	Yes Yes	Doctoral or professional degree Master's degree	Yes		Yes	Yes
29-1071	Podiatrists	45,607	136,137	174,293	Yes	Yes	Yes	Doctoral or professional degree	No		No	Yes
29-1122	Occupational Therapists	60,205	80.386	95,902	Yes	Yes	Yes	Master's degree	Yes		No	No
29-1123	Physical Therapists	59,556	94,059	105,699	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
29-1124	Radiation Therapists	62,099	83,446	87,680	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-1125	Recreational Therapists	29,727	52,957	61,592	No	No	No	Bachelor's degree	No		No	No
29-1126	Respiratory Therapists	49,365	65,650	74,303	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-1127	Speech-Language Pathologists	51,854	71,372	93,460	Yes	Yes	Yes	Master's degree	No		No	No
29-1128	Exercise Physiologists	38,654	51,757	55,347	Yes	No	No	Master's degree	No		No	No
29-1129	Therapists, All Other	34,586	60,577	75,026	No	Yes	Yes	Bachelor's degree	No		No	No
29-1131	Veterinarians	77,718	117,395	135,218	Yes	Yes	Yes	Doctoral or professional degree	Yes		No	No
29-1141	Registered Nurses	51,854	74,069	79,045	Yes	Yes	Yes	Bachelor's degree	No		No	No
29-1151 29-1161	Nurse Anesthetists	119,339	170,140	195,321	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-1161	Nurse Midwives Nurse Practitioners	56,108	87,334	107,533	Yes	Yes	Yes	Master's degree	No		Yes	Yes
29-11/1	Audiologists	98,647 60,479	119,818 92,714	129,836 104,812	Yes Yes	Yes	Yes Yes	Master's degree Doctoral or professional degree	Yes No		Yes No	Yes No
29-1211	Anesthesiologists	101,466	292,669	104,612	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1212	Cardiologists	176,043	418,360	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1213	Dermatologists	60,752	253,635	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1214	Emergency Medicine Physicians	200,941	338,446	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1215	Family Medicine Physicians	160,161	310,980	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1216	General Internal Medicine Physicians	61,681	419,795	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1217	Neurologists	91,075	268,054	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1218	Obstetricians and Gynecologists	137,723	287,354	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1221	Pediatricians, General	110,129	184,554	205,558	Yes	Yes	Yes	Doctoral or professional degree	Yes		Yes	Yes
29-1222	Physicians, Pathologists	96,987	248,454	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1223	Psychiatrists	54,338	242,321	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1224	Radiologists	42,495	218,220		Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1229 29-1241	Physicians, All Other Ophthalmologists, Except Pediatric	171,704 99.524	308,144 214.229	*	Yes Yes	Yes	Yes* Yes*	Doctoral or professional degree Doctoral or professional degree	Yes Yes		Yes	Yes* Yes*
29-1241	Orthopedic Surgeons, Except Pediatric Orthopedic Surgeons, Except Pediatric	63,416	312,621	*	Yes	Yes	Yes*	Doctoral or professional degree Doctoral or professional degree	No		Yes	Yes*
29-1243	Pediatric Surgeons	63,416	312,621	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1249	Surgeons, All Other	63,416	312,621	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1291	Acupuncturists	28,293	49,328	53.260	No	No	No	Master's degree	No		No	No
29-1292	Dental Hygienists	59,488	75,357	79,605	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-1299	Healthcare Diagnosing or Treating Practitioners, All Other	27,654	126,495	182,843	No	Yes	Yes	Master's degree	No		Yes	Yes
29-2010	Clinical Laboratory Technologists and Technicians	30,509	53,582	63,074	No	No	No	Associate's degree	No		No	No
29-2031	Cardiovascular Technologists and Technicians	30,004	47,474	62,573	No	No	No	Associate's degree	No		No	No
29-2032	Diagnostic Medical Sonographers	59,592	76,386	82,896	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-2033	Nuclear Medicine Technologists	64,603	78,704	84,775	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-2034	Radiologic Technologists and Technicians	37,653	59,535	65,283	Yes	Yes	No	Associate's degree	No		No	No
29-2035	Magnetic Resonance Imaging Technologists	55,076	70,830	78,003	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-2036	Medical Dosimetrists	98,558	124,686	138,608	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
29-2042	Emergency Medical Technicians	29,233	38,158	42,803	No	No	No	Postsecondary nondegree award	No		No	No
29-2043 29-2051	Paramedics Dietetic Technicians	37,032 23,240	43,426 30,254	47,243 32,713	Yes No	No No	No No	Postsecondary nondegree award	Yes		No No	No No
29-2052	Pharmacy Technicians	30,020	38,261	42,907	No	No	No	Associate's degree	No No		No	No
29-2053	Psychiatric Technicians	27,334	36,313	39,670	No	No	No	Postsecondary nondegree award Postsecondary nondegree award	No		No	No
29-2055	Surgical Technologists	36.664	45.243	49,848	Yes	No	No	Postsecondary nondegree award	Yes		Yes	No
29-2056	Veterinary Technologists and Technicians	28,869	37,390	42,154	No	No	No	Associate's degree	No		No	No
29-2057	Ophthalmic Medical Technicians	29.137	41,554	46,721	No	No	No	Postsecondary nondegree award	No		No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	40,240	51,506	56,589	Yes	No	No	Postsecondary nondegree award	Yes		Yes	Yes
29-2072	Medical Records Specialists	34,963	52,638	60,541	No	No	No	Postsecondary nondegree award	Yes		Yes	Yes
29-2081	Opticians, Dispensing	30,131	50,575	60,320	No	No	No	Postsecondary nondegree award	No		Yes	Yes
29-2091	Orthotists and Prosthetists	75,249	90,199	113,314	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-2092	Hearing Aid Specialists	30,440	51,767	65,367	No	No	No	Postsecondary nondegree award	No		Yes	Yes
29-2099	Health Technologists and Technicians, All Other	31,825	43,358	45,686	No	No	No	Postsecondary nondegree award	Yes		No	No
29-9021	Health Information Technologists and Medical Registrars	31,938	59,188	81,406	No	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
29-9091	Athletic Trainers	39,061	50,785	57,500	Yes	No	No	Bachelor's degree	No		No	No
29-9092 29-9093	Genetic Counselors Surgical Assistants	50,186 29.307	86,607 37.868	100,470 37.996	Yes No	Yes No	Yes No	Master's degree	No No		Yes No	Yes No
29-9093	Surgical Assistants Healthcare Practitioners and Technical Workers, All Other	29,307 30,752	37,868 64.333	37,996 70.021	No No	No Yes	No Yes	Postsecondary nondegree award	No No		No Yes	No Yes
31-1120	Home Health and Personal Care Aides	22,529	29,183	31,467	No No	No.	No.	Postsecondary nondegree award High school diploma or equivalent	No		No	No
31-1120	Nursing Assistants	25,867	31,797	34,644	No	No	No	Postsecondary nondegree award	No		No	No
31-1132	Orderlies	25,867	31,757	34,194	No	No	No	High school diploma or equivalent	No		No	No
31-1133	Psychiatric Aides	26,186	31,747	33,786	No	No	No	High school diploma or equivalent	No		No	No
31-2011	Occupational Therapy Assistants	53,238	66,376	73,022	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
31-2012	Occupational Therapy Aides	29,210	54,655	66,655	No	No	No	Postsecondary nondegree award	No		Yes	Yes
31-2021	Physical Therapist Assistants	45,081	64,045	73,706	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
31-2022	Physical Therapist Aides	21,166	29,303	33,657	No	No	No	Postsecondary nondegree award	No		No	No
31-9011	Massage Therapists	31,657	51,967	55,715	No	No	No	Postsecondary nondegree award	No		Yes	Yes
31-9091	Dental Assistants	37,150	43,885	46,910	Yes	No	No	Postsecondary nondegree award	Yes		No	No
31-9092	Medical Assistants	30,671	37,835	41,407	No	No	No	Postsecondary nondegree award	No		No	No
31-9093	Medical Equipment Preparers	29,436	34,448	35,768	No	No	No	High school diploma or equivalent	No		No	No
31-9094	Medical Transcriptionists	26,237	31,331	29,918	No	No	No	Postsecondary nondegree award	No		No	No

Nay 2022	egion 13	Annual W	ages (\$) by Occupat	ion	Wage Mee	ets or Exceeds All O	ccupation Metric		Wage N	Meets or Exceeds Educ	ational Level Metric
, 2022			Average Annual	High-Level Wage	Representative	Average Annua			Representat		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wa		Threshold
31-9095	Pharmacy Aides	22,956	25,569	23,635	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	26,215	32,342	35,318	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	30,504	36,444	38,266	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	24,747	39,482	46,276	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	41,074	52,850	51,708	Yes	No	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	61,122	84,742	96,527	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	47,961	69,163	78,151	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1091	First-Line Supervisors of Security Workers	27,396	53,251	75,676	No	No	Yes	Bachelor's degree	No	No	No
33-1099	First-Line Supervisors of Protective Service Workers, All Other	45,410	60,326	67,397	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	30,230	44,193	55,046	No	No	No	Postsecondary nondegree award	No	No	Yes
33-2021	Fire Inspectors and Investigators	44,886	56,923	58,367	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	54,304	89,299	100,812	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3011	Bailiffs	28,469	54,021	63,621	No	No	No	High school diploma or equivalent	No	Yes	Yes
33-3012	Correctional Officers and Jailers	21,613	32,449	36,941	No	No	No	High school diploma or equivalent	No	No	No
33-3021	Detectives and Criminal Investigators	40,290	93,596	138,570	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	26,381	28,605	28,771	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	21,904	38,191	45,885	No	No	No	High school diploma or equivalent	No	No	No
33-3051	Police and Sheriff's Patrol Officers	39,315	53,776	59,821	Yes	No	No	Associate's degree	No	No	No
33-3052	Transit and Railroad Police	58,265	72,392	59,416	Yes	Yes	No	Associate's degree	Yes	Yes	No
33-9011	Animal Control Workers	27,610	38,976	43,123	No	No	No	Postsecondary nondegree award	No	No	No
33-9021	Private Detectives and Investigators	28,771	55,418	62,587	No	No	No	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	27,679	34,762	37,679	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	22,853	36,925	41,858	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	25,041	29,469	29,589	No	No	No	No formal educational credential	Yes	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	23,322	26,708	27,477	No	No	No	No formal educational credential	No	No	No
33-9093	Transportation Security Screeners	34,420	42,791	46,733	No	No	No	High school diploma or equivalent	Yes	No	No
33-9094	School Bus Monitors	22,274	26,596	27,776	No	No	No	High school diploma or equivalent	No	No	No
33-9099	Protective Service Workers, All Other	28,386	47,118	55,347	No	No	No	High school diploma or equivalent	No	Yes	Yes
35-1011	Chefs and Head Cooks	35,035	54,321	62,859	No	No	No	Associate's degree	No	No	No
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	28,600	40,421	46,795	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	21,982	26,168	28,352	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	24,246	31,430	34,354	No	No	No	No formal educational credential	Yes	No	No
35-2013	Cooks, Private Household	31,562	57,426	70,762	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
35-2014	Cooks, Restaurant	27,047	32,427	35,912	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	21,897	29,810	33,688	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	26,508	32,713	34,615	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	21,912	29,973	34,967	No	No	No	No formal educational credential	No	No	Yes
35-3011	Bartenders	21,149	34,796	38,144	No	No	No	No formal educational credential	No	Yes	Yes
35-3023	Fast Food and Counter Workers	21,962	24,929	27,030	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	20,980	32,209	36,087	No	No	No	No formal educational credential	No	Yes	Yes
35-3041	Food Servers, Nonrestaurant	22,830	26,934	28,552	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	20,808	27,290	28,927	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	21,925	26,667	28,986	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	21,262	28,986	29,261	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	21,649	27,552	28,186	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	28,806	44,001	52,629	No	No	No	High school diploma or equivalent	No	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	34,402	52,871	58,535	No	No	No	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	22,256	28,939	30,108	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	22,848	27,799	29,254	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	23,844	29,679	32,391	No	No	No	No formal educational credential	Yes	No	No
37-2021	Pest Control Workers	31,185	41,756	46,006	No	No	No	High school diploma or equivalent	Yes	No	No
37-3011	Landscaping and Groundskeeping Workers	27,450	32,390	35,600	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	23,236	38,544	43,038	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	27,337	38,333	46,020	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	25,195	35,042	35,140	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	29,626	54,368	69,402	No	No	Yes	Some college, no degree	Yes	Yes	Yes
	First-Line Supervisors of Entertainment and Recreation Workers, Except										
39-1014	Gambling Services	30,689	48,879	55,736	No	No	No	Some college, no degree	Yes	Yes	Yes
39-1022	First-Line Supervisors of Personal Service Workers	30,390	46,125	55,575	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	26,391	36,342	38,440	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	21,493	29,581	31,883	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	20,947	34,342	46,381	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	20,908	27,903	30,020	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	20,293	31,601	36,742	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	31,045	37,523	41,952	No	No	No	No formal educational credential	Yes	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	20,918	25,708	27,679	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	20,985	26,433	28,603	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	25,230	40,528	47,162	No	No	No	High school diploma or equivalent	No	No	No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	22,108	29,552	32,313	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	22,722	28,284	28,332	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	31,874	45,552	51,035	No	No	No	Associate's degree	No	No	No
39-4012	Crematory Operators	30,895	37,519	48,254	No	No	No	High school diploma or equivalent	Yes	No	No
39-4021	Funeral Attendants	23,074	29,747	32,947	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	33,835	54,157	63,035	No	No	No	Associate's degree	No	No	No
39-5011	Barbers	21,308	32,957	36,381	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	21,442	36,111	42,475	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	1						,			
		23.567	31,872	33,430	No	No	No				No

Wages - Workforce Re	egion 13	A114	(6) b 0		14/ 844		Name			14/ 84	Fd- F-d	
May 2022			ages (\$) by Occupat Average Annual	ion High-Level Wage	Representative	Average Annu	Occupation Metric			wage Meets resentative	Average Annua	tional Level Metric al High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		rting Wage	Wage	Threshold
			-			-		·				
39-5093	Shampooers	20,293	23,942	25,835	No	No	No	High school diploma or equivalent	No		No	No
39-5094	Skincare Specialists	27,217	43,390	51,853	No	No	No	Postsecondary nondegree award	No		No	No
39-6011	Baggage Porters and Bellhops	21,093	28,947	33,610	No	No	No	High school diploma or equivalent	No		No	No
39-6012	Concierges	23,512	33,954	37,614	No	No	No	High school diploma or equivalent	No		No	No
39-7010 39-9011	Tour and Travel Guides Childcare Workers	23,051 22,943	32,485 28.837	31,806 29.638	No	No	No	High school diploma or equivalent	No		No	No
39-9011	Exercise Trainers and Group Fitness Instructors	22,943	28,837 36,982	45,504	No No	No No	No No	High school diploma or equivalent	No No		No No	No No
39-9032	Recreation Workers	20,800	30,982	45,504 35.835	No	No	No	Postsecondary nondegree award Bachelor's degree	No No		No	No No
39-9041	Residential Advisors	24,795	36,910	44,582	No	No	No	Some college, no degree	No		No	No
39-9099	Personal Care and Service Workers, All Other	23,032	24,492	23.032	No.	No	No	High school diploma or equivalent	No		No	No
41-1011	First-Line Supervisors of Retail Sales Workers	29,265	49,333	57,189	No	No	No	Some college, no degree	Yes		Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	40,796	94.386	113.080	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
41-2011	Cashiers	21,925	26,350	28,342	No	No	No	No formal educational credential	No		No	No
41-2012	Gambling Change Persons and Booth Cashiers	20,713	32,469	33,640	No	No	No	No formal educational credential	No		Yes	No
41-2021	Counter and Rental Clerks	23,312	36,352	38,539	No	No	No	No formal educational credential	No		Yes	Yes
41-2022	Parts Salespersons	22,320	35,620	39,347	No	No	No	High school diploma or equivalent	No		No	No
41-2031	Retail Salespersons	22,373	32,262	34,508	No	No	No	High school diploma or equivalent	No		No	No
41-3011	Advertising Sales Agents	31,610	63,962	70,167	No	Yes	Yes	Some college, no degree	Yes		Yes	Yes
41-3021	Insurance Sales Agents	37,089	61,609	61,775	Yes	Yes	No	Postsecondary nondegree award	Yes		Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	39,612	73,322	80,804	Yes	Yes	Yes	Bachelor's degree	No		No	No
41-3041	Travel Agents	22,792	43,502	54,384	No	No	No	Some college, no degree	No		Yes	Yes
41 2001	Sales Representatives of Services, Except Advertising, Insurance, Financial	29.980	66.027	70.001	No	Vos	Voc	Pachalaris dagrae			No	No
41-3091	Services, and Travel	29,980	66,037	78,691	No	Yes	Yes	Bachelor's degree	No		No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	27.440	00.404	110.004	Vos	Vos	Voc	Pachalaris dagrae	No		No	Voc
41-4011	Sales Representatives, Wholesale and Manufacturing, Except Technical and	37,440	90,491	119,964	Yes	Yes	Yes	Bachelor's degree	INO		No	Yes
41-4012	Scientific Products	31.006	65.598	78.377	No	Yes	Yes	Some college, no degree	Yes		Yes	Yes
41-9011	Demonstrators and Product Promoters	20.664	47.894	76,245	No	No	Yes	No formal educational credential	No.		Yes	Yes
41-9012	Models	21,444	31,884	34,284	No	No	No	High school diploma or equivalent	No		No	No
41-9021	Real Estate Brokers	48,704	87,575	98,600	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
41-9022	Real Estate Sales Agents	31.263	66.165	85.527	No.	Yes	Yes	Postsecondary nondegree award	No.		Yes	Yes
41-9031	Sales Engineers	44.847	127.244	165.061	Yes	Yes	Yes	Bachelor's degree	No		Yes	Yes
41-9041	Telemarketers	23.407	40.424	47.792	No	No	No	High school diploma or equivalent	No		No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	21.035	34,615	48,703	No	No	No	High school diploma or equivalent	No		No	No
41-9099	Sales and Related Workers, All Other	21,500	38,584	40,424	No	No	No	Some college, no degree	No		No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	36,766	61,522	74.246	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	27,255	30,917	30,689	No	No	No	High school diploma or equivalent	No		No	No
43-2021	Telephone Operators	25,425	30.547	33.445	No	No	No	High school diploma or equivalent	No		No	No
43-2099	Communications Equipment Operators, All Other	22,664	47,991	56,284	No	No	No	High school diploma or equivalent	No		Yes	Yes
43-3011	Bill and Account Collectors	33,135	43,053	48,432	No	No	No	High school diploma or equivalent	Yes		No	No
43-3021	Billing and Posting Clerks	30,383	41,203	47,131	No	No	No	High school diploma or equivalent	Yes		No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	28,751	43,331	49,681	No	No	No	Some college, no degree	Yes		Yes	Yes
43-3041	Gambling Cage Workers	21,649	31,269	37,201	No	No	No	High school diploma or equivalent	No		No	No
43-3051	Payroll and Timekeeping Clerks	35,241	46,460	52,779	No	No	No	Some college, no degree	Yes		Yes	Yes
43-3061	Procurement Clerks	31,040	44,365	54,454	No	No	No	Associate's degree	No		No	No
43-3071	Tellers	31,120	37,844	38,019	No	No	No	High school diploma or equivalent	Yes		No	No
43-3099	Financial Clerks, All Other	31,541	44,706	49,502	No	No	No	Some college, no degree	Yes		Yes	Yes
43-4011	Brokerage Clerks	36,352	54,118	58,733	No	No	No	Some college, no degree	Yes		Yes	Yes
43-4021	Correspondence Clerks	32,625	36,440	39,611	No	No	No	High school diploma or equivalent	Yes		No	No
43-4031	Court, Municipal, and License Clerks	30,932	41,231	46,276	No	No	No	Some college, no degree	Yes		No	No
43-4041	Credit Authorizers, Checkers, and Clerks	28,166	42,616	49,669	No	No	No	Some college, no degree	No		Yes	Yes
43-4051	Customer Service Representatives	28,037	36,735	40,310	No	No	No	High school diploma or equivalent	No		No	No
43-4061 43-4071	Eligibility Interviewers, Government Programs File Clerks	27,040 25.473	38,590 36,039	45,739 38.340	No No	No No	No No	High school diploma or equivalent	No No		No No	No No
43-40/1	Hotel, Motel, and Resort Desk Clerks	25,473	29.006	38,340 29,539		No No	No No	High school diploma or equivalent	No No		No No	No No
43-4081	Interviewers, Except Eligibility and Loan	24,061 28.171	29,006 37.036	29,539 41.229	No No	No No	No No	High school diploma or equivalent	No No		No No	No No
43-4111	Library Assistants, Clerical	28,171	37,036	41,229 31,425	No No	No No	No No	High school diploma or equivalent Some college, no degree	No No		No No	No No
43-4121	Loan Interviewers and Clerks	23,815 37,655	47.344	58,425 58,422	Yes	No No	No No	High school diploma or equivalent	Yes		Yes	Yes
43-4141	New Accounts Clerks	35,376	42,372	45.894	No No	No	No	High school diploma or equivalent	Yes		No	No
43-4151	Order Clerks	25,016	37,904	46,520	No	No	No	High school diploma or equivalent	No		No	No
43-4151	Human Resources Assistants, Except Payroll and Timekeeping	31.076	43,458	49,384	No	No	No	Associate's degree	No		No	No.
43-4171	Receptionists and Information Clerks	22,347	31,686	35,334	No	No	No	High school diploma or equivalent	No		No	No
43-4171	Reservation and Transportation Ticket Agents and Travel Clerks	28,933	45.426	63.656	No	No	No	High school diploma or equivalent	No		No	Yes
43-4199	Information and Record Clerks, All Other	30,082	42,743	50,613	No	No	No	High school diploma or equivalent	Yes		No	No
43-5011	Cargo and Freight Agents	30,879	49,172	59,211	No	No	No	High school diploma or equivalent	Yes		Yes	Yes
43-5021	Couriers and Messengers	24,380	38,003	47,728	No	No	No	High school diploma or equivalent	No		No	No
43-5031	Public Safety Telecommunicators	37,272	42,758	47,431	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	30,424	43,591	49,691	No	No	No	High school diploma or equivalent	Yes		No	No
43-5041	Meter Readers, Utilities	30,584	37,666	40,487	No	No	No	High school diploma or equivalent	Yes		No	No
43-5051	Postal Service Clerks	39,770	55,322	68,307	Yes	No	Yes	High school diploma or equivalent	Yes		Yes	Yes
	Postal Service Mail Carriers	39,645	55,408	71,344	Yes	No	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5052	Postal Service Mail Sorters, Processors, and Processing Machine Operators	37,640	50,889	65,523	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
43-5053			55.886	65,653	No	No	No	Some college, no degree	Yes		Yes	Yes
	Production, Planning, and Expediting Clerks	34,088	33,000	05,055	110	140	110	Some conege, no degree				
43-5053 43-5061 43-5071		34,088 28,014	38,640	45,657	No	No	No	High school diploma or equivalent	No		No	No
43-5053 43-5061 43-5071 43-5111	Production, Planning, and Expediting Clerks Shipping, Receiving, and Inventory Clerks Weighers, Measurers, Checkers, and Samplers, Recordkeeping	28,014 29,389	38,640 38,994	45,657 39,936				V . V				
43-5053 43-5061 43-5071 43-5111 43-6011	Production, Planning, and Expediting Clerks Shipping, Receiving, and Inventory Clerks Weighers, Measurers, Checkers, and Samplers, Recordkeeping Executive Secretaries and Executive Administrative Assistants	28,014 29,389 38,062	38,640 38,994 61,740	45,657 39,936 76,100	No No Yes	No No Yes	No No Yes	High school diploma or equivalent	No No Yes		No	No
43-5053 43-5061 43-5071 43-5111	Production, Planning, and Expediting Clerks Shipping, Receiving, and Inventory Clerks Weighers, Measurers, Checkers, and Samplers, Recordkeeping	28,014 29,389	38,640 38,994	45,657 39,936	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No No		No No	No No

Wages - Workforce Re	egion 13	Annual M	lagas (\$) by Ossupat	ion		Wage Most	or Evenade All O	scupation Matris			Wage Mosts	or Evenode Educatio	anal Level Metric
May 2022			/ages (\$) by Occupat Average Annual	High-Level Wage		Representative	or Exceeds All O Average Annua			F	Representative	or Exceeds Education Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)		Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
43-6014 43-9021	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	26,078	39,698	46,921		No	No	No	High school diploma or equivalent	l l	No	No	No
43-9021	Data Entry Keyers Word Processors and Typists	27,748 23.181	37,449 32.840	40,603 36,264		No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	H	No No	No No	No No
43-9022	Desktop Publishers	25,083	48.821	58,996		No.	No	No.	Associate's degree		No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	22,031	36,524	46,490		No	No	No	High school diploma or equivalent	H	No	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	24,410	33,809	39,499		No	No	No	High school diploma or equivalent		No	No	No
43-9061	Office Clerks, General	27,151	40,979	47,834		No	No	No	High school diploma or equivalent		No	No	No
43-9071	Office Machine Operators, Except Computer	27,967	35,623	35,671		No	No	No	High school diploma or equivalent	Ш	No	No	No
43-9081 43-9111	Proofreaders and Copy Markers Statistical Assistants	27,513 34,596	34,010 44,859	35,620 49,728		No No	No No	No No	Bachelor's degree	Ш	No No	No No	No No
43-9111	Office and Administrative Support Workers, All Other	34,596	44,859	49,728 51.000		No	No	No	Bachelor's degree Some college, no degree	H	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	29,718	53,962	67,416		No	No	Yes	High school diploma or equivalent		No	Yes	Yes
45-2011	Agricultural Inspectors	26,381	38,225	40,655		No	No	No	Bachelor's degree	ΙÍ	No	No	No
45-2021	Animal Breeders	26,391	36,342	38,440		No	No	No	High school diploma or equivalent		No	No	No
45-2041	Graders and Sorters, Agricultural Products	21,776	25,669	26,703		No	No	No	No formal educational credential		No	No	No
45-2091 45-2092	Agricultural Equipment Operators	25,601	35,474	37,728		No	No	No	No formal educational credential	H	Yes	Yes	Yes
45-2092 45-2093	Farmworkers and Laborers, Crop, Nursery, and Greenhouse Farmworkers, Farm, Ranch, and Aquacultural Animals	22,205 26.118	27,483 35.084	28,635 41.991	_	No No	No No	No No	No formal educational credential No formal educational credential	H	No Yes	No Yes	No Yes
45-2099	Agricultural Workers, All Other	20,957	34,810	40,898		No	No	No	No formal educational credential		No	Yes	Yes
45-3031	Fishing and Hunting Workers	26,118	35,084	41,991		No	No	No	No formal educational credential		Yes	Yes	Yes
45-4011	Forest and Conservation Workers	31,932	41,230	48,645		No	No	No	Postsecondary nondegree award		Yes	No	No
45-4021	Fallers	38,196	45,377	51,318		Yes	No	No	High school diploma or equivalent		Yes	No	No
45-4022	Logging Equipment Operators	27,874	40,079	47,386		No	No	No	High school diploma or equivalent	Ш	No	No	No
45-4023 45-4029	Log Graders and Scalers Logging Workers, All Other	21,776 40,596	25,669 43.991	26,703 45,542		No Yes	No No	No No	High school diploma or equivalent	Н	No Yes	No No	No No
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	40,596 39.864	43,991 68.627	45,542 77.884		Yes	Yes	Yes	High school diploma or equivalent Some college, no degree	H	Yes	Yes	Yes
47-2011	Boilermakers	20,293	45,708	55.611		No	No	No	High school diploma or equivalent	H	No	No	Yes
47-2021	Brickmasons and Blockmasons	29,403	42,671	49,078		No	No	No	High school diploma or equivalent	H	No	No	No
47-2022	Stonemasons	28,440	45,347	56,304		No	No	No	High school diploma or equivalent		No	No	Yes
47-2031	Carpenters	32,127	45,460	50,211		No	No	No	Postsecondary nondegree award		Yes	Yes	No
47-2041	Carpet Installers	20,293	33,162	36,352		No	No	No	No formal educational credential	H	No	Yes	Yes
47-2042 47-2043	Floor Layers, Except Carpet, Wood, and Hard Tiles Floor Sanders and Finishers	32,937 23.698	44,255 38.391	49,913 47.816	_	No No	No No	No No	No formal educational credential No formal educational credential	H	Yes	Yes	Yes Yes
47-2043	Tile and Stone Setters	32,075	44,013	47,816		No	No	No	No formal educational credential	H	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	32,202	44,296	49,388		No	No	No	No formal educational credential	H	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	34,274	50,674	56,372		No	No	No	High school diploma or equivalent		Yes	Yes	Yes
47-2061	Construction Laborers	28,460	39,113	43,364		No	No	No	No formal educational credential		Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	28,694	39,177	43,548		No	No	No	High school diploma or equivalent		No	No	No
47-2072 47-2073	Pile Driver Operators	33,786 32,289	47,181 44,549	48,596 49,355		No No	No No	No No	High school diploma or equivalent	Ш	Yes	Yes	No
47-2073	Operating Engineers and Other Construction Equipment Operators Drywall and Ceiling Tile Installers	22,074	38,106	46,736		No	No	No	High school diploma or equivalent No formal educational credential	Н	Yes No	No Yes	No Yes
47-2082	Tapers	27,903	40.947	45,962		No	No	No	No formal educational credential		Yes	Yes	Yes
47-2111	Electricians	36,887	50,034	57,409		Yes	No	No	Postsecondary nondegree award		Yes	Yes	Yes
47-2121	Glaziers	27,903	40,947	45,962		No	No	No	High school diploma or equivalent		No	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	28,566	42,430	47,142		No	No	No	High school diploma or equivalent		No	No	No
47-2132	Insulation Workers, Mechanical	35,523	47,835	49,786		No	No No	No	High school diploma or equivalent	H	Yes	Yes	No
47-2141 47-2142	Painters, Construction and Maintenance Paperhangers	29,490 28,927	41,389 36,079	44,670 43,445	_	No No	No No	No No	No formal educational credential No formal educational credential	H	Yes	Yes	Yes
47-2142	Pipelavers	30.276	38,833	43,445		No No	No No	No No	No formal educational credential No formal educational credential	H	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	36,949	49,932	57,513		Yes	No	No	Postsecondary nondegree award		Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	25,781	40,154	46,623		No	No	No	No formal educational credential		Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	34,391	45,786	53,747		No	No	No	High school diploma or equivalent		Yes	No	Yes
47-2181	Roofers	25,686	38,478	46,909		No	No	No	No formal educational credential		Yes	Yes	Yes
47-2211 47-2221	Sheet Metal Workers Structural Iron and Steel Workers	34,598	48,729	59,280		No	No	No	High school diploma or equivalent	Н	Yes	Yes	Yes
47-2221	Solar Photovoltaic Installers	36,623 34.664	52,711 42.411	62,566 45,669		Yes No	No No	No No	High school diploma or equivalent High school diploma or equivalent	H	Yes	Yes No	Yes No
47-3011	HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	20,293	33,484	37.230		No	No	No	No formal educational credential	H	No	Yes	Yes
47-3012	HelpersCarpenters	27,904	32,682	34,835		No	No	No	No formal educational credential		Yes	Yes	Yes
47-3013	HelpersElectricians	29,807	34,852	36,965		No	No	No	High school diploma or equivalent		No	No	No
47-3014	HelpersPainters, Paperhangers, Plasterers, and Stucco Masons	26,248	29,946	30,639		No	No	No	No formal educational credential		Yes	No	No
47-3015	HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters	30,226	36,512	39,737		No	No	No	High school diploma or equivalent	L Į	Yes	No	No
47-3016	Helpers-Roofers	29,152	35,367	37,591		No	No	No	No formal educational credential	Ш	Yes	Yes	Yes
47-3019 47-4011	Helpers, Construction Trades, All Other Construction and Building Inspectors	28,449 39.399	33,649 62.041	37,211 75,569	-	No Yes	No Yes	No Yes	No formal educational credential Postsecondary nondegree award		Yes	Yes	Yes
47-4011	Elevator and Escalator Installers and Repairers	47,601	82,548	100,509		Yes	Yes	Yes	Postsecondary nondegree award Postsecondary nondegree award		Yes	Yes	Yes
47-4031	Fence Erectors	28,401	39,123	45,396		No	No	No	No formal educational credential	H	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	30,490	48,559	63,318		No	No	No	High school diploma or equivalent		Yes	Yes	Yes
47-4051	Highway Maintenance Workers	29,752	37,925	42,619		No	No	No	High school diploma or equivalent		No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	43,972	53,504	60,743		Yes	No	No	High school diploma or equivalent	H	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	30,389	41,349	45,011	-	No	No	No	High school diploma or equivalent	H	Yes	No	No
47-4090 47-5011	Miscellaneous Construction and Related Workers Derrick Operators, Oil and Gas	32,075 33,376	41,672 48,264	45,031 59,650	-	No No	No No	No No	High school diploma or equivalent No formal educational credential		Yes	No Yes	No Yes
47-5011	Rotary Drill Operators, Oil and Gas	33,376	48,264 52.674	55,045		Yes	No	No	No formal educational credential		Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	36,420	52,977	60,918		No	No	No	No formal educational credential		Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	32,323	44,703	50,762		No	No	No	High school diploma or equivalent		Yes	No	No
47-5023	Earth Drillers, Except Oil and Gas	34,001	48,206	50,108		No	No	No	High school diploma or equivalent		Yes	Yes	No
47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	51,864	69,143	79,689		Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
47-5041	Continuous Mining Machine Operators	26,791	39.269	43,445		No	No	No	No formal educational credential		Yes	Yes	Yes

Wages - Workforce Re Way 2022	·• · · · · · · · · · · · · · · · · · ·	Annual W	/ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All O	ccupation Metric		Wage M	ets or Exceeds Educa	tional Level Metric
,			Average Annual	High-Level Wage	Representative	Average Annua			Representativ		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
47-5043	Roof Bolters, Mining								1		
47-5044	Loading and Moving Machine Operators, Underground Mining										
47-5049 47-5051	Underground Mining Machine Operators, All Other	36.001	65.309	87.114	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry Roustabouts, Oil and Gas	33,376	48.264	59,650	No No	No No	No Yes	No formal educational credential	Yes	Yes	Yes
47-5071	HelpersExtraction Workers	28,674	34,264	37,591	No	No	No	High school diploma or equivalent	No	No	No
47-5099	Extraction Workers, All Other	27.123	43.737	42.752	No	No	No	High school diploma or equivalent	No.	No	No.
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	40,451	68,612	82,533	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	35,048	39,397	43,659	No	No	No	Postsecondary nondegree award	Yes	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	37,250	57,289	70,187	Yes	No	Yes	Associate's degree	No	No	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	31,837	54,687	67,182	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	44,813	63,444	75,694	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	35,615	45,201	47,474	No	No	No	High school diploma or equivalent	Yes	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	39,103	54,889	62,070	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	43,378	58,235	66,685	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	38,967	74,587	96,519	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096 49-2097	Electronic Equipment Installers and Repairers, Motor Vehicles	32,401	43,279	47,396	No	No	No	Postsecondary nondegree award	Yes	No	No
49-2097	Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers	37,279 34,268	45,972 49,597	49,328 59,013	Yes No	No No	No No	Postsecondary nondegree award	Yes Yes	Yes Yes	No Yes
49-3011	Aircraft Mechanics and Service Technicians	34,208	63,022	73.362	Yes	Yes	Yes	Postsecondary nondegree award	No No	Yes	Yes
49-3021	Automotive Body and Related Repairers	30,341	44,618	45,902	No	No	No	Associate's degree Postsecondary nondegree award	No	No	No
49-3022	Automotive Glass Installers and Repairers	32,713	45.142	53,474	No	No	No	High school diploma or equivalent	Yes	No	Yes
49-3023	Automotive Glass Installers and Repairers Automotive Service Technicians and Mechanics	28,893	45,388	58,515	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3023	Bus and Truck Mechanics and Diesel Engine Specialists	36.442	52,606	60.110	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	30,176	46.450	48.313	No	No	No	High school diploma or equivalent	Yes	Yes	No.
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	36,548	56,590	66,685	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	36,537	52,460	58,333	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	31,211	50,794	59,636	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3052	Motorcycle Mechanics	29,084	44,879	57,572	No	No	No	High school diploma or equivalent	No	No	Yes
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	29,155	37,537	41,960	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	22,888	35,679	42,616	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	28,824	47,749	51,716	No	No	No	High school diploma or equivalent	No	Yes	No
49-3093	Tire Repairers and Changers	23,790	32,518	35,363	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	30,440	44,918	53,035	No	No	No	High school diploma or equivalent	Yes	No	Yes
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	29,844	46,074	53,006	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	35,245	47,731	57,616	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	27,051	38,673	46,437	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	35,724	51,946	60,556	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	31,161	53,611	64,278	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9044	Millwrights	49,385	65,094	67,625	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	25,522	33,825	37,191	No	No	No	High school diploma or equivalent	No	No	No
49-9051 49-9052	Electrical Power-Line Installers and Repairers Telecommunications Line Installers and Repairers	38,571	71,392	89,745	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	·	36,430	49,140	58,733	No V	No	No No	Postsecondary nondegree award	Yes	Yes	Yes
49-9062	Camera and Photographic Equipment Repairers Medical Equipment Repairers	39,269 32,203	52,186 46,011	58,216 55,241	Yes No	No No	No No	Associate's degree	No No	No No	No No
49-9063	Musical Instrument Repairers and Tuners	28,959	38,019	41.861	No	No	No	Associate's degree High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	24,166	28,752	28,049	No.	No.	No	High school diploma or equivalent	No	No	No
49-9069	Precision Instrument and Equipment Repairers, All Other	45,505	56,336	61.909	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	28.567	40.107	46.071	No.	No	No	High school diploma or equivalent	No.	No	No
49-9081	Wind Turbine Service Technicians	47,123	66,460	77,046	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	27,224	38,369	45.036	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	38,586	51,972	55,669	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	30,455	43,294	57,480	No	No	No	High school diploma or equivalent	Yes	No	Yes
49-9095	Manufactured Building and Mobile Home Installers	21,327	30,157	38,157	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	36,400	56,656	62,849	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	46,118	61,796	69,777	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	HelpersInstallation, Maintenance, and Repair Workers	28,951	36,170	39,996	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	28,443	42,202	45,727	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	41,463	70,417	86,823	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	33,074	48,627	59,696	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	20,800	33,822	47,300	No	No	No	High school diploma or equivalent	No	No	No
	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders,										
51-2028	Tapers, and Finishers	27,157	37,797	41,962	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	32,849	42,411	47,084	No	No	No	High school diploma or equivalent	Yes	No	No
51-2041	Structural Metal Fabricators and Fitters	29,792	45,678	52,101	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	28,807	37,781	44,312	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters Missellaneous Assemblers and Enhistators	24,381	33,269	37,972	No	No	No No	High school diploma or equivalent	No	No	No No
51-2090 51-3011	Miscellaneous Assemblers and Fabricators Bakers	26,116	35,357	37,958	No No	No	No No	High school diploma or equivalent	No	No	No No
51-3011	Butchers and Meat Cutters	26,453	32,011	36,480	No No	No	No No	High school diploma or equivalent	No Voc	No Vos	No
51-3021		29,136 24.673	39,369 37,200	44,299 41.562	No No	No No	No No	No formal educational credential No formal educational credential	Yes Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers Slaughterers and Meat Packers	24,673	27,308	41,562 28,342	No No	No	No No	No formal educational credential No formal educational credential	Yes	Yes No	Yes No
51-3023		25,971	27,308 36,147	28,342 35.493	No No	No	No No	No formal educational credential No formal educational credential	Yes	Yes	Yes
51-3092	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders Food Batchmakers	25,649	34,880	40,596	No No	No	No				
51-3092		25,649		40,596 34,596				High school diploma or equivalent	No No	No No	No No
51-3099	Food Cooking Machine Operators and Tenders Food Processing Workers, All Other	24,498	31,240 33,355	34,596 37,148	No No	No No	No No	High school diploma or equivalent No formal educational credential	No Yes	No Yes	No Yes
	1 OOG 1 TOCCOONS TOURES, AND OTHER	20,301	22,223	37,148	NU	INU	INU	ivo ioriliai euucationai creuential	162	162	162
31 3033	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and								l I		

Wages - Workforce Ro May 2022		Annual W	ages (\$) by Occupat	ion	Wage Meet	ts or Exceeds All Oc	cupation Metric		Wage Meet	ts or Exceeds Educa	tional Level Metric
nay 2022			Average Annual	High-Level Wage	Representative	Average Annual			Representative	Average Annu	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	29,610	39,113	44,674	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	29,932	40,908	44,186	No	No	No	High school diploma or equivalent	No	No	No
F4 4004	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and	27.200	25.047	44.050							
51-4031	Plastic	27,268	36,017	41,252	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20.425	E4.000	04 573	N-	N-	V	High seheal dialogue as assistated	N-	V	V
51-4032	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and	29,425	54,908	81,572	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-4033	Tenders, Metal and Plastic	25,386	33,932	35,828	No	No	No	High school diploma or equivalent	No	No	No
31 4033	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and	25,300	33,332	33,020	140	IVO	140	riigii scriooi dipionia di equivalent	NO NO	140	140
51-4034	Plastic	27,259	37,991	46,674	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	35.836	54,893	72.140	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4041	Machinists	35,075	49,790	58,886	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	38,206	48,713	49,621	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-4052	Pourers and Casters, Metal	29,123	45,533	55,221	No	No	No	High school diploma or equivalent	No	No	Yes
51-4061	Model Makers, Metal and Plastic	32,254	50,801	59,123	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	26,352	49,299	76,177	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-4071	Foundry Mold and Coremakers	22,713	39,230	53,640	No	No	No	High school diploma or equivalent	No	No	Yes
	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders,										
51-4072	Metal and Plastic	27,524	35,363	39,077	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	30,440	37,142	37,572	No	No	No	High school diploma or equivalent	Yes	No	No
51-4111	Tool and Die Makers	49,896	66,986	76,856	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	32,681	46,238	50,267	No	No	No	Postsecondary nondegree award	Yes	Yes	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	25,294	32,574	35,624	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	24,352	39,786	46,245	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	33,132	46,616	51,367	No	No	No	High school diploma or equivalent	Yes	Yes	No
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	29,772	38,164	44,094	No	No	No	High school diploma or equivalent	No	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	26,869	35,952	37,952	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	28,817	37,001	39,520	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	31,204	39,471	44,439	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	25,121	36,867	42,996	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	23,305	36,090	39,519	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	22,187	25,941	28,033	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	23,259	27,942	28,781	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	22,733	32,421	35,412	No	No	No	No formal educational credential	No	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	22,986	32,176	36,323	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	26,410	38,157	45,142	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	21,513	29,074	29,640	No	No	No	No formal educational credential	No	No	No
51-6052	Tailors, Dressmakers, and Custom Sewers	27,903	34,518	36,284	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	22,518	26,966	27,562	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	27,074	32,371	35,523	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	26,927	30,966	33,718	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	22.702	22.774	27.250					l		
51-0004		22,703	32,771	37,250	No	No	No	High school diploma or equivalent	No	No	No
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	32,967	57,435	81.689	No	No	V	High sahaal dialama ay ay iyolaat	V	Yes	Yes
51-6092		26,352	49,299	76,177	No	No	Yes	High school diploma or equivalent	Yes		
51-6093	Fabric and Apparel Patternmakers Upholsterers	27,376	37,093	41,845	No No	No No	Yes No	High school diploma or equivalent High school diploma or equivalent	No No	Yes No	Yes No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	26,693	33,337	37.181	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	31.527	39,648	43.218	No.	No	No		Yes	No	No
51-7021	Furniture Finishers	30,010	44,655	52,489	No	No	No	High school diploma or equivalent High school diploma or equivalent	No	No	No
51-7021	Model Makers, Wood	32,254	50.801	59.123	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood	32,234	30,601	35,123	INU	INU	NO	rigii school dipionia of equivalent	res	res	res
51-7032	·	25.522	33.825	37.191	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Sawing Machine Setters, Operators, and Tenders, Wood Woodworking Machine Setters, Operators, and Tenders, Except Sawing	25,322	33,591	37,191	No	No	No	High school diploma or equivalent High school diploma or equivalent	No No	No	No
51-7099	Woodworking Machine Secters, Operators, and Tenders, Except Sawing Woodworkers, All Other	25,455	31,815	32,157	No	No	No	High school diploma or equivalent	No	No	No
51-8011	Nuclear Power Reactor Operators	47.367	74,733	94.617	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	52,362	86,597	101,192	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	47.367	74,733	94.617	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	47,064	61,465	66,460	Yes	Yes	No No	Postsecondary nondegree award Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	30.412	46,534	51,597	No	No	No	Postsecondary nondegree award	No.	Yes	No
51-8091	Chemical Plant and System Operators	40.820	60,470	65,465	Yes	Yes	No	Associate's degree	Yes	Yes	No
51-8092	Gas Plant Operators	40,820 33.728	50,850	61.484	No No	No No	No No	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	41.051	62,272	81,519	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	39.357	56,499	63,338	Yes	No	No No	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	29,357	44,252	46,371	No	No	No	High school diploma or equivalent	No	No	No
	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,	20,000	,222	40,571	1				1 1		- 140
51-9012	Operators, and Tenders	27.610	41.718	48.440	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	26,428	35,029	34,072	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	29,423	35,029	38,298	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	26,641	39,948	46,195	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	21,415	34,791	39.084	No	No	No	No formal educational credential	No No	Yes	Yes
	Cutting and Slicing Machine Setters, Operators, and Tenders	28,581	41,083	50,980	No	No	No	High school diploma or equivalent	No	No	No
51-9032		20,301	12,000	30,300	1			Constitution of equivalent	1 1		
51-9032					1			1	1 1		
51-9032	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	27 ∩44	37 289	44 079	No	No	No	High school diploma or equivalent		No	
51-9032 51-9041 51-9051	Tenders	27,044 29,923	37,289 38.323	44,079 43.016	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No No	No No	No No
51-9041 51-9051	Tenders Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	29,923	38,323	43,016	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Tenders										

Wages - Workforce Region 13

Wages - Workforce Re May 2022	egion 13	Annual \	Wages (\$) by Occupa	tion	Wage Meet	ts or Exceeds All Occ	upation Metric	1	Wage Meets	or Exceeds Education	al Level Metric
		Representative Average Annual		High-Level Wage	Representative	Average Annual High-Level Wage		· [Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-9082	Medical Appliance Technicians	27,698	39,328	48,674	No	No	No	Postsecondary nondegree award	No	No	No
51-9083	Ophthalmic Laboratory Technicians	30,299	42,466	50,796	No	No	No	High school diploma or equivalent	Yes	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	24,475	32,637	35,281	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	24,605	35,045	41,435	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	29,527	44,156	47,308	No	No	No	High school diploma or equivalent	No	No	No
51-9141 51-9151	Semiconductor Processing Technicians	37,152	46,752	49,582	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-9151	Photographic Process Workers and Processing Machine Operators Computer Numerically Controlled Tool Operators	22,839 30.869	34,537	37,191	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
51-9162		30,869	44,942 61,235	51,813 74,880			No Yes	Postsecondary nondegree award	No No	Yes	Yes
51-9102	Computer Numerically Controlled Tool Programmers	22,703			Yes No	Yes No	No Tes	Associate's degree		No.	No.
51-9191	Adhesive Bonding Machine Operators and Tenders Classing, Washing, and Matal Rickling Equipment Operators and Tenders	,	32,771	37,250				High school diploma or equivalent	No No		
51-9193	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders Cooling and Freezing Equipment Operators and Tenders	25,425 26,937	35,181 44,645	46,118 47,552	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No No	No No	No No
51-9194	Etchers and Engravers	28,518	34.010	37.484	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	28,849	40,229	45,185	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	28,469	43,396	51,123	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	28,332	36,664	39,620	No.	No	No	High school diploma or equivalent	No	No	No
51-9198	HelpersProduction Workers	22,626	29.482	33,302	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	29,340	51.700	74.317	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
53-1041	Aircraft Cargo Handling Supervisors	36,937	55,699	60,762	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
******	First-Line Supervisors of Transportation and Material Moving Workers, Except	30,337	33,033	00,702	163	110		riigii serioor dipionia or equivalent	163	103	103
53-1047	Aircraft Cargo Handling Supervisors	35,440	54.053	61,381	No	No	No	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	106.275	264.123	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	51,365	105,356	145,118	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	80,392	85,850	92,581	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	78,011	123,281	153,418	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	34,352	67,592	77,182	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	25,122	29,913	31,757	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	20,800	30,826	35,565	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	34,480	48,525	56,772	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	23,765	43,331	48,323	No	No	No	High school diploma or equivalent	No	No	No
53-3051	Bus Drivers, School	31,566	32,600	32,936	No	No	No	High school diploma or equivalent	Yes	No	No
53-3052	Bus Drivers, Transit and Intercity	28,508	40,742	51,172	No	No	No	High school diploma or equivalent	No	No	No
53-3053	Shuttle Drivers and Chauffeurs	23,077	30,064	31,200	No	No	No	High school diploma or equivalent	No	No	No
53-3054	Taxi Drivers	20,361	30,918	31,162	No	No	No	No formal educational credential	No	No	No
53-3099	Motor Vehicle Operators, All Other	22,548	36,370	48,202	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	55,211	67,065	72,450	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	31,415	52,665	50,733	No	No	No	High school diploma or equivalent	Yes	Yes	No
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	38,176	57,728	60,382	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	61,826	69,787	72,499	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	28,508	40,742	51,172	No	No	No	High school diploma or equivalent	No	No	No
53-4099	Rail Transportation Workers, All Other	40,254	40,928	40,264	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-5011	Sailors and Marine Oilers	28,410	44,430	49,016	No	No	No	High school diploma or equivalent	No	No	No
53-5021 53-5022	Captains, Mates, and Pilots of Water Vessels	37,806	91,482	122,507	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators Ship Engineers	27,796 70,801	44,323 95,895	51,943 106,724	No Yes	No Yes	No Yes	Postsecondary nondegree award	No Yes	No Yes	No Yes
53-6011	Bridge and Lock Tenders	23,493	31,259	35,493	No	No	No No	Postsecondary nondegree award High school diploma or equivalent	No No	No	No.
53-6021	Parking Attendants	23,493	26,874	29,006	No	No No	No	No formal educational credential	No No	No	No
53-6031	Automotive and Watercraft Service Attendants	24,158	31,432	35,411	No	No	No	No formal educational credential	Yes	No	Yes
53-6032	Aircraft Service Attendants	31,200	33,783	31,200	No	No	No	High school diploma or equivalent	Yes	No	No
53-6041	Traffic Technicians	32,500	49,151	57,698	No	No	No	Associate's degree	No No	No	No
53-6051	Transportation Inspectors	62,376	81,629	79,914	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	20,761	31,796	37.162	No.	No	No	High school diploma or equivalent	No	No	No
53-6099	Transportation Workers, All Other	20,293	29,991	31,776	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	28,820	33,786	34,937	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7021	Crane and Tower Operators	35,286	65,339	80,923	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	34,840	46,177	48.089	No	No	No	High school diploma or equivalent	Yes	Yes	No
53-7041	Hoist and Winch Operators	31,474	49,318	50,538	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	30.524	45,440	59.518	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	22,459	30,763	33,456	No	No	No	No formal educational credential	No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	25,821	35,334	37,129	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	28,332	36,664	39,620	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7064	Packers and Packagers, Hand	22,972	25,990	26,392	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	25,374	33,522	36,439	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	29,952	35,728	33,191	No	No	No	High school diploma or equivalent	No	No	No
53-7072	Pump Operators, Except Wellhead Pumpers	32,020	45,035	50,557	No	No	No	High school diploma or equivalent	Yes	No	No
53-7073	Wellhead Pumpers	29,952	35,728	33,191	No	No	No	High school diploma or equivalent	No	No	No
53-7081	Refuse and Recyclable Material Collectors	27,774	38,036	46,254	No	No	No	No formal educational credential	Yes	Yes	Yes
33-7001											
53-7081	Tank Car, Truck, and Ship Loaders	42,303	58,957	59,865	Yes	Yes	No	No formal educational credential	Yes	Yes	Yes

 $[\]ensuremath{^{*}}$ indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

Summary - Workforce Region 13

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
_	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	36,563	58,859	67,339	824
No formal educational credential	23,574	31,461	34,470	82
High school diploma or equivalent	30,016	45,799	52,835	237
Some college, no degree	28,315	42,358	48,007	49
Postsecondary nondegree award	31,793	45,207	52,581	89
Associate's degree	40,402	59,959	70,152	68
Bachelor's degree	53,454	95,193	110,960	183
Master's degree	57,199	83,699	97,088	43
Doctoral or professional degree	75,267	154,598	154,715	73

	Representative	Starting Wage	Average Ar	nual Wage	High-Level Wage Threshold		
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	
All Occupations	523	301	504	320	500	324	
No formal educational credential	41.46%	58.54%	35.37%	64.63%	34.15%	65.85%	
High school diploma or equivalent	68.78%	31.22%	79.75%	20.25%	79.75%	20.25%	
Some college, no degree	32.65%	67.35%	28.57%	71.43%	30.61%	69.39%	
Postsecondary nondegree award	44.94%	55.06%	33.71%	66.29%	38.20%	61.80%	
Associate's degree	67.65%	32.35%	51.47%	48.53%	51.47%	48.53%	
Bachelor's degree	71.04%	28.96%	70.49%	29.51%	69.95%	30.05%	
Master's degree	81.40%	18.60%	67.44%	32.56%	60.47%	39.53%	
Doctoral or professional degree	80.82%	19.18%	67.12%	32.88%	61.64%	38.36%	

Page	Vages - Workforce Re Nay 2022	egion 14	Annual W	/ages (\$) by Occupat	ion	Wage Meet	ts or Evenode All (Occupation Matric	Т	1 1	Wage Moets	or Evenade Education	al Loyal Matric
Second Column	nay 2022												High-Level Wage
Same And Government Angelows 19,000	Occupational Code	Occupational Title							Educational Requirement				
Same And Government Angelows 19,000													
Options			,	,	*								
Section of the content storages				,.							-		
Section Sect		0	/	,	,					-			
Separate 1985 198			,	,	-, -								
Section Section Section Se													
1982 1982	11-2032												
Section Company Comp	11-2033												
Segment stranger	11-3012												
1,000 1,00	11-3013	Facilities Managers					Yes	Yes	Bachelor's degree		Yes	Yes	Yes
Ministral Production of Books Ministral Production Ministral P	11-3021	Computer and Information Systems Managers	98,371	156,350	171,719	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
1.000 Post	11-3031					Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
1992 Company of State St	11-3051								Bachelor's degree				
1.513 Component and find foregrees 17.00 11.00 10.00	11-3061												
September Sept	11-3071												
1333 Tales and December Manages													
				,	,								
1992 Construction Managers Fig. Fig.			. ,		.,								
1933									Bachelor's degree	-			
1,452 Counts of Americans, Recognize through Secondary Co. 1,527 1,5										-			
1,000										1			
Section Administration And Other 42,500 71,546 94,370 102 103 104 10	11-9032												
1,954 Archestor of Improvers (Angere) 10,345 12,325 17,328 17,3	11-9039				,				· ·				
1,955 Southwest Managers	11-9041		,	,	0.,0.0								
1997 Careling Manager Caregorium Agency Energy Careling 13,533 113,733 113	11-9051		,										
	11-9071	Gambling Managers		115.563	116.783								
14981 Ledge Managers	11-9072		, -	-,	.,								
1993 Status Sciences Authority Status Sciences Authority Status S	11-9081		40,560		139,412							Yes	Yes
1922 Satural Education Stangers Satural Stang	11-9111	Medical and Health Services Managers				Yes	Yes	Yes			Yes	Yes	
1933 Patrumbers and full Superimententiess	11-9121												
1941 Property, Need Eather, degree Mo No	11-9131	Postmasters and Mail Superintendents	75,234	98,394	110,718		Yes	Yes			Yes	Yes	Yes
1948	11-9141	Property, Real Estate, and Community Association Managers	34,153	65,017	76,905		Yes	Yes				No	No
1997 Fueral Home Managers At Other	11-9151	Social and Community Service Managers	47,181	74,940	84,928	Yes	Yes	Yes	Bachelor's degree		No	No	No
19.1979 Personal Service Managers, All Other	11-9161	Emergency Management Directors	49,964	85,886	112,124	Yes	Yes	Yes	Bachelor's degree		Yes	No	Yes
Managers, Alf Older	11-9171	Funeral Home Managers	45,683	78,945	79,989	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
13-1032 Agent and Business Managers of Artisis, Ferformers, and Albifete 13,115 105,546 145,556 No Yes Yes No No No No No No No N	11-9179					Yes	Yes	Yes			No	No	No
13-1302 Buyern and Purchasing Agenets 93,881 71,670 83,866 17,670 18,866 176 1			. ,										
13-1031 Claims Adjusters, Earliners, and Investigators	13-1011	Agents and Business Managers of Artists, Performers, and Athletes					Yes	Yes	Bachelor's degree				Yes
13-1034 Separation Separ													
3-1041 Complaines officers													
33-071 Manuma Recourses Specialists 39,266 63,126 82,226 Ves Ves Ves Sachelor's degree No													
3-974 Human Recourse Specialists 39,286 67,338 80,897 Ves Ves Ves Machelor's degree No No No No No No No										-			
Samulation Contractions African Labor										-			
13-1075 Labor Relation's specialists			35,200	07,556	00,037	res	res	res	bachelor's degree	-	NO	INU	NO
13-1081 Logisticians 42,964 79,143 95,799 Ves Ves Ves Bachelor's degree No			47 904	108 204	160 647	Voc	Voc	Voc	Rachelor's degree	-	No	Voc	Vac
13-1082 Poject Management Specialists 50,957 95,281 118,540 Ves											-		
34.111 Management Analysts Management	13-1082		,	-, -									
Meeting, Convention, and Event Planners 32,009 54,938 65,288 No No Yes Bachelor's degree No No No No No 31,3131 Fundrainers 30,000 62,628 81,099 No Yes Yes Wes Wes Bachelor's degree No No No No No 33,1151 Training and Development Specialists 45,769 70,514 79,162 Yes Yes Yes Bachelor's degree No No No No No 33,1151 Training and Development Specialists 36,659 70,324 84,017 Yes Yes Yes Bachelor's degree No No No No No No 33,1151 Market Research Analysts and Marketing Specialists 36,659 70,324 84,141 Yes Yes Yes Bachelor's degree No No No No No No 33,1151 Market Research Analysts and Marketing Specialists 36,659 70,324 84,141 Yes Yes Yes Wes Bachelor's degree No No No No No 33,1151 Market Research Analysts and Assessors 34,319 63,239 77,540 No Yes Yes Wes Bachelor's degree No No No No No 33,000 No 32,000 Property Apparisar and Assessors 34,319 63,239 77,540 No Yes Yes Bachelor's degree No No No No No 32,001 Yes Yes Yes Wes Bachelor's degree No No No No No 32,001 Yes Yes Yes Wes Bachelor's degree Yes No No No No 32,001 Yes Yes Yes Wes Bachelor's degree Yes No No No No 32,001 Yes Yes Yes Yes Bachelor's degree Yes No No No No 32,001 Yes Yes Yes Wes Bachelor's degree Yes No No No No 32,001 Yes Yes Yes Yes Wes Bachelor's degree Yes No No No No No No No No	13-1111												
3-1314 Fundraipers Sundraipers Sundr	13-1121												
3-1141 Compensation, Benefits, and Job Analysis Specialists 45,769 70,514 79,162 Ves Ves Ves Sachelor's degree No	13-1131	Fundraisers		62,263			Yes						
Training and Development Specialists Say S	13-1141	Compensation, Benefits, and Job Analysis Specialists					Yes	Yes	Bachelor's degree		No	No	No
Business Operations Specialists, All Other 3,330 70,432 84,124 Yes Yes Bachelor's degree No	13-1151	Training and Development Specialists	35,494		80,212							No	No
Accountants and Auditions	13-1161			70,824		Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2020 Property Appraisers and Assessors 34,319 63,239 77,540 No Yes Yes Bachelor's degree No No No No No No No	13-1199							Yes					
Sudget Analysts Sudget Ana	13-2011												
13-2041 Credit Analysts S2,608 84,682 95,190 Yes Yes Yes Yes Bachelor's degree Yes No No	13-2020												
Second Financial and Investment Analysts Second S	13-2031												
13-2052 Personal Financial Advisors 35,554 96,050 100,974 Ves Ves Ves Ves Bachelor's degree No Yes No No No No No No No N	13-2041												
13-2053 Insurance Underwriters													
13-2054 Financial Risk Specialists 49,362 105,576 115,698 Yes Ye													
3-2061 Financial Examiners 47,639 77,814 93,381 Yes Yes Yes Yes Bachelor's degree No No No No No No No			,										
3-2071 Credit Counselors 36,485 47,489 48,333 Yes No No Bachelor's degree No No No No No No No										1			
13-2072 Loan Officers 35,969 70,105 83,222 Yes Yes Yes Yes Sachelor's degree No No No No No No No				,						1			
13-2081 Tax Examiners and Collectors, and Revenue Agents 30,181 43,122 39,782 No No No No Bachelor's degree No	13-20/1		,	,	-,								
32-082 Tax Preparers	13-2072												
3-2099 Financial Specialists, All Other 33,474 57,467 62,143 No Yes No Bachelor's degree No No No No No S-1211 Computer Systems Analysts 56,602 95,816 108,283 Yes Yes Yes Bachelor's degree Yes Yes	13-2082												
15-1211 Computer Systems Analysts 56,602 95,816 108,283 Yes Yes Yes Yes Sachelor's degree Yes Ye	13-2099												
15-1212 Information Security Analysts 62,850 108,213 130,087 Ves Ves Ves Wes Bachelor's degree Ves Ves										1			
1.5-1221 Computer and Information Research Scientists 77,257 128,716 173,081 Yes Yes Yes Yes Master's degree Yes Y	15-1212												
15-1231 Computer Network Support Specialists 45,759 72,913 80,330 Yes Yes Yes Associate's degree Yes Yes	15-1221		/	,	,								
15-1232 Computer User Support Specialists 36,784 62,199 76,587 Yes Yes Yes Postsecondary nondegree award Yes Y	15-1231		, .	-, -	-,								
15-1241 Computer Network Architects 64,603 113,196 133,780 Yes Yes Yes Bachelor's degree Yes Yes Yes 15-1242 Database Administrators 51,403 100,250 126,509 Yes Yes Yes Bachelor's degree Yes Yes Yes	15-1232												
15-1242 Database Administrators 51,403 100,250 126,509 Yes Yes Yes Bachelor's degree Yes Yes Yes	15-1241												
	15-1242												
	15-1243	Database Architects	89,857	131,986	145,599	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes

15-1251 Comput	pational Title ork and Computer Systems Administrators outer Programmers arare Developers arare Quality Assurance Analysts and Testers		ages (\$) by Occupat Average Annual Wage (\$)	High-Level Wage Threshold (\$)	Representative	Average Annu			1 1	Representative	or Exceeds Educatio Average Annual	High-Level Wage
15-1244 Network 15-1251 Comput 15-1252 Software 15-1252 Software 15-1253 Software 15-1254 Web De 15-1254 Web De 15-1259 Comput 15-2011 Actuarie 15-2021 Mathem 15-2021 Mathem 15-2031 Operatic 17-2031 Bionegir 17-1012 Landsca 17-1012 Cartogra 17-2021 Aerospa 17-2031 Bionegir 17-2031 Bionegir 17-2041 Chemica 17-2051 Cvii Eng 17-2071 Electrica 17-2072 Electron 17-2071 Electrica 17-2071 Electrica 17-2071 Electrica 17-2071 Health arbital 17-2131 Material	ork and Computer Systems Administrators outer Programmers vare Developers		Wage (\$)	Throshold (¢)								
15-1251 Comput 15-1252 Softwar 15-1253 Softwar 15-1254 Web De 15-1255 Web and 15-1259 Comput 15-1259 Comput 15-1259 Comput 15-2021 Mathem 15-2021 Mathem 15-2021 Mathem 15-2031 Operatic 15-2031 Operatic 15-2041 Statistic 15-2051 Data Sci 15-2051 Data Sci 15-2051 Data Sci 17-1011 Architec 17-1012 Landsca 17-1011 Architec 17-1012 Landsca 17-1021 Cartogra 17-1021 Cartogra 17-1021 Agricult 17-1021 Agricult 17-1021 Gartogra 17-2021 Agricult 17-2031 Bioengir 17-2041 Agricult 17-2051 Civil Eng 17-2051 Civil Eng 17-2061 Comput 17-2071 Electrica 17-2072 Electron 17-2081 Environ 17-2081 Industria 17-2151 Mining c 17-2151	outer Programmers vare Developers	40.070		Tillestiolu (3)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
15-1251 Comput 15-1252 Softwar 15-1253 Softwar 15-1254 Web De 15-1254 Web De 15-1259 Comput 15-1259 Comput 15-1251 Web and 15-1251 Mathem 15-2021 Mathem 15-2021 Mathem 15-2031 Operatic 15-2031 Operatic 15-2051 Data Sci 15-2051 Data Sci 15-2051 Data Sci 15-2051 Cartogra 17-1011 Architec 17-1012 Landsca 17-1011 Architec 17-1012 Landsca 17-1012 Landsca 17-1021 Cartogra 17-1021 Agricult 17-1021 Agricult 17-2021 Agricult 17-2031 Bioengir 17-2031 Bioengir 17-2041 Chemica 17-2051 Civil Eng 17-2071 Electrica 17-2072 Electron 17-2081 Environ 17-2081 Industria 17-2111 Material 17-2111 Marine In 17-2111 Marine In 17-2111 Marine In 17-2111 Material 17-2111 Mechan 17-2111 Mechan 17-2111 Marine In 17-2111 Marine In 17-2111 Marine In 17-2111 Petroleu 17-3011 Architec 17-3011 Architec 17-3011 Architec 17-3013 Mechan 17-3019 Drafters 17-3022 Civil Eng 17-3023 Electrica 17-3023 Electrica 17-3023 Electrica 17-3023 Electrica 17-3023 Electrica 17-3023 Electrica 17-3024 Electrica 17-3023 Electrica 17-3023 Electrica 17-3024 Electrica 17-3026 Electrica 17-3026 Electrica 17-3027 Electrica 17-3028 Electrica 17-3028 Electrica 17-3029 Electrica 17-3029 Electrica	outer Programmers vare Developers											
15-1252 Softwart 15-1253 Softwart 15-1253 Softwart 15-1255 Web and 15-1255 Web and 15-1255 Web and 15-1259 Comput 15-2011 Actuarie 15-2021 Mathem 15-2031 Operatid 15-2041 Statistic 15-2051 Data Soft 15-2059 Mathem 17-1012 Landscal 17-1012 Landscal 17-1012 Landscal 17-1011 Acrospa 17-1012 Agricult 17-1013 Surveyo 17-2011 Aerospa 17-2021 Agricult 17-2031 Bioengin 17-2051 Civil Eng 17-2051 Detectric 17-2051 Detectric 17-2051 Detectric 17-2051 Detectric 17-2051 Detectric 17-2051 Eng 17-2051 Detectric 17-2051 Detect	vare Developers	,	90,654	109,059	Yes	Yes	Yes	Bachelor's degree		Yes	No	Yes
15-1253 Softwari 15-1254 Web De 15-1254 Web De 15-1259 Web and 15-1299 Comput 15-1299 Comput 15-2021 Mathem 15-2021 Mathem 15-2021 Mathem 15-2031 Operatic 15-2051 Data Sci 17-1011 Architec 17-1012 Landsca 17-1012 Landsca 17-1012 Landsca 17-1012 Landsca 17-1012 Landsca 17-1014 Aerospa 17-2011 Agricult 17-2011 Agricult 17-2011 Agricult 17-2051 Civil Eng 17-2051 Civil Eng 17-2051 Civil Eng 17-2061 Entrion 17-2071 Electrica 17-2081 Environ 17-2081 Environ 17-2081 Industri 17-2111 Health a 17-2111 Marine I 17-2111 Marine I 17-2111 Marine I 17-2111 Materia 17-2111 Mechan 17-2111 Mechan 17-2111 Mechan 17-2111 Mechan 17-2111 Mechan 17-2111 Petroleu 17-3011 Architec 17-3012 Electrica 17-3013 Electrica 17-3022 Civil Eng		45,612 60.160	87,847 111.429	104,799 134.854	Yes	Yes	Yes	Bachelor's degree		No	No	No
15-1254 Web De 15-1255 Web and 15-1259 Comput 15-2011 Actuarie 15-2021 Actuarie 15-2021 Mathem 15-2031 Operatid 15-2031 Operatid 15-2031 Operatid 15-2041 Statistic 15-2051 Data Sci 15-2099 Mathem 17-10101 Landsca 17-1011 Architec 17-1012 Landsca 17-1012 Landsca 17-1012 Landsca 17-1013 Across 17-1014 Across 17-1015 Cartogra 17-1016 Across 17-2011 Aerossa 17-2021 Agricult 17-2031 Bioengir 17-2031 Bioengir 17-2041 Chemica 17-2051 Civil Eng 17-2051 Civil Eng 17-2061 Comput 17-2071 Electron 17-2072 Electron 17-2081 Electron 17-2081 Marinet 17-2111 Marinet 17-2111 Marinet 17-2111 Marinet 17-2111 Mindustri 17-2111 Petroleu 17-3011 Architec 17-3012 Electrica 17-3019 Drafters 17-3012 Electrica 17-3013 Electrica 17-3023 Electrica 17-3023 Electrica		60,160 49.628	111,429 88.167	134,854 105.679	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		Yes	Yes No	Yes No
15-1255 Web and 15-1299 Comput 15-2011 Actuarie 15-2011 Mathem 15-2021 Mathem 15-2031 Operation 15-2041 Statistic 15-2041 Statistic 15-2051 Data Sci 15-2099 Mathem 17-1011 Architec 17-1012 Surveyo 17-1021 Landsca 17-1021 Cartogra 17-1021 Agricult 17-2021 Agricult 17-2021 Agricult 17-2031 Bionegir 17-2041 Chemica 17-2051 Civil Eng 17-2041 Chemica 17-2051 Civil Eng 17-2051 Civil Eng 17-2061 Electrica 17-2071 Electrica 17-2081 Environ 17-2081 Environ 17-2081 Environ 17-2081 Mathem 17-2111 Marine In 17-2111 Petroleu 17-2111 Architec 17-2112 Agricult 17-2113 Mining a 17-2151 Architec 17-2171 Petroleu 17-2191 Architec 17-3013 Mechan 17-3014 Architec 17-3015 Civil Eng		47,710	92.360	105,679	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1299 Comput 15-2011 Actuarie 15-2011 Mathem 15-2031 Operatic 15-2031 Operatic 15-2031 Operatic 15-2041 Statistic 15-2051 Data Sci 15-2051 Data Sci 15-2051 Data Sci 15-2099 Mathem 17-1011 Architec 17-1012 Landsca 17-1012 Landsca 17-1012 Cartogra 17-1021 Cartogra 17-1021 Agricult 17-2031 Bioengir 17-2031 Bioengir 17-2031 Bioengir 17-2031 Bioengir 17-2041 Chemica 17-2051 Civil Eng 17-2071 Electrica 17-2072 Electron 17-2072 Electron 17-2073 Electron 17-2074 Individual Environ 17-2075 Individual Environ 17-2111 Health a 17-2151 Marine in 17-2151 Mining c 17-2151 Mining c 17-2151 Mining c 17-2171 Petroleu 17-2171 Petroleu 17-2171 Petroleu 17-3012 Electrica 17-3013 Mechan 17-3019 Drafters 17-3010 Aerospa 17-3021 Electrica 17-3021 Electrica 17-3021 Electrica 17-3022 Civil Eng 17-3023 Electrica	and Digital Interface Designers	47,710	76.785	94.529	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-2011 Actuarie 15-2021 Mathem 15-2021 Operation 15-2031 Operation 15-2041 Statistic 15-2041 Statistic 15-2051 Data Sci. 15-2059 Mathem 17-1012 Landsca 17-1012 Landsca 17-1011 Cartogra 17-1012 Cartogra 17-2011 Aerospa 17-2021 Aerospa 17-2031 Bionengi 17-2051 Chemica 17-2051 Comput 17-2051	outer Occupations, All Other	26,554	78,600	107,202	No	Yes	Yes	Bachelor's degree		No	No	Yes
15-2021 Mathem 15-2031 Operation 17-2031 Cartogra 17-1012 Landsca 17-1012 Landsca 17-1012 Landsca 17-1012 Cartogra 17-2021 Agricult 17-2031 Bionegin 17-2031 Bionegin 17-2031 Comput 17-2031 Comput 17-2031 Comput 17-2031 Comput 17-2031 Comput 17-2031 Electrica 17-2031 Electrica 17-2031 Electrica 17-2031 Health a 17-2031 Mathem 17-2031 Petroleu 17-3011 Architec 17-3011 Architec 17-3011 Architec 17-3011 Architec 17-3013 Electrica 17-3013 Electrica 17-3023 Electrica 17-3023 Electrica 17-3023 Electrica		73,505	125.532	147.850	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2031 Operati 15-2041 Statistic 15-2051 Data Sci 15-2099 Mathem 17-2051 Landsca 17-1012 Landsca 17-1012 Landsca 17-1012 Landsca 17-1013 Cartogra 17-2011 Aerospa 17-2021 Surveyo 17-2011 Aerospa 17-2031 Bioengir 17-2031 Bioengir 17-2031 Bioengir 17-2051 Civil Eng 17-2051 Civil Eng 17-2072 Electron 17-2072 Electron 17-2072 Electron 17-2071 Health a 17-2071 Health a 17-2111 Health a 17-2111 Marine I 17-2111 Marine I 17-2111 Marine I 17-2111 Marine I 17-2111 Misser 17-2111 Petroleu 17-3012 Electrica 17-3013 Biocharl 17-3019 Orafters 17-3023 Electrica 17-3023 Electrica	ematicians	39,028	92,741	127,535	Yes	Yes	Yes	Master's degree		No	Yes	Yes
15-2051 Data Sci 15-2099 Mathem 17-1011 Architec 17-1012 Landsca 17-1012 Landsca 17-1021 Cartogra 17-1021 Surveyo 17-1021 Surveyo 17-1021 Agricult 17-2021 Agricult 17-2021 Bioengir 17-2021 Bioengir 17-2031 Bioengir 17-2051 Civil Eng 17-2051 Civil Eng 17-2071 Electrica 17-2071 Electrica 17-2072 Electron 17-2071 Electrica 17-2071 Electrica 17-2071 Electrica 17-2071 Health a 17-2111 Health a 17-2111 Marine I 17-2111 Marine I 17-2111 Michan 17-2111 Michan 17-2111 Mechan 17-2111 Mechan 17-2111 Petroleu 17-3012 Electrica 17-3012 Electrica 17-3013 Mechan 17-3019 Drafters 17-3013 Aerospa 17-3023 Electrica 17-3023 Electrica 17-3023 Electrica	ations Research Analysts	49,400	89,590	104,247	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
15-2099 Mathem 17-1011 Architec 17-1012 Landsca 17-1021 Cartogra 17-1021 Cartogra 17-1021 Agricult 17-1021 Agricult 17-2021 Agricult 17-2021 Agricult 17-2031 Bilonegir 17-2041 Chemica 17-2051 Civil Eng 17-2061 Comput 17-2071 Electrica 17-2071 Electrica 17-2071 Electrica 17-2081 Environ 17-2071 Electrica 17-2012 Electrica 17-2121 Marine I 17-2121 Marine I 17-2121 Marine I 17-2121 Marine I 17-2131 Materia 17-2141 Mechan 17-2151 Mining a 17-2151 Mining a 17-2151 Surviva 17-2171 Petroleu 17-2171 Petroleu 17-2171 Electrica 17-2171 Petroleu 17-3013 Mechan 17-3010 Cartograph 17-3011 Architec 17-3013 Mechan 17-3010 Drafters 17-3013 Aerospa 17-3021 Electrica 17-3022 Civil Eng	ticians	45,254	99,448	128,606	Yes	Yes	Yes	Master's degree		No	Yes	Yes
17-1011 Architec 17-1012 Landsca 17-1012 Landsca 17-1012 Surveyo 17-1021 Surveyo 17-2021 Agricult 17-2021 Agricult 17-2031 Bioengir 17-2031 Bioengir 17-2041 Chemica 17-2051 Civil Eng 17-2051 Civil Eng 17-2061 Electrica 17-2071 Electrica 17-2071 Electrica 17-2081 Environ 17-2081 Environ 17-2081 Health a 17-2081 Health a 17-2111 Health a 17-2111 Marine I 17-2111 Marine I 17-2121 Marine I 17-2121 Marine I 17-2131 Materia 17-2141 Mechan 17-2151 Mining a 17-2151 Nuclear 17-2171 Petroleu 17-3011 Architec 17-3012 Electrica 17-3013 Mechan 17-3019 Drafters 17-3019 Carlett 17-3010 Aerospa 17-3022 Civil Eng 17-3023 Electrica	Scientists	57,291	101,018	123,161	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-1012	ematical Science Occupations, All Other	39,731	81,784	99,064	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1021 Cartogra 17-1022 Surveyo 17-1022 Surveyo 17-1021 Agricult 17-2021 Agricult 17-2021 Agricult 17-2031 Agricult 17-2041 Chemica 17-2051 Civil Eng 17-2041 Chemica 17-2051 Civil Eng 17-2071 Electrica 17-2071 Electrica 17-2081 Environ 17-2011 Health a 17-2012 Industric 17-2121 Marine I 17-2121 Marine I 17-2121 Marine I 17-2131 Mining a 17-2151 Mining a 17-2151 Mining a 17-2151 Mining a 17-2151 Surveyor 17-2171 Petroleu 17-217	tects, Except Landscape and Naval	61,040	96,398	102,203	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
17-1022 Surveyo 17-2021 Aerospa 17-2021 Agricult 17-2031 Bioengir 17-2031 Bioengir 17-2041 Chemica 17-2051 Civil Eng 17-2051 Civil Eng 17-2071 Electrica 17-2072 Electron 17-2071 Electrica 17-2072 Electron 17-2111 Health a 17-2111 Marien 17-2111 Marien 17-2121 Marien 17-2121 Marien 17-2131 Materia 17-2131 Materia 17-2131 Mechan 17-2151 Mining e 17-2151 Niclear 17-2171 Petroleu 17-2171 Petroleu 17-3012 Electrica 17-3013 Mechan 17-3019 Drafters 17-3019 Capter 17-3019 Capter 17-3010 Aerospa 17-3020 Civil Eng 17-3023 Electrica	scape Architects	37,311	65,334	75,032	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2011 Aerospa 17-2021 Agricult 17-2021 Agricult 17-2031 Blonegir 17-2041 Chemica 17-2041 Chemica 17-2051 Civil Eng 17-2061 Comput 17-2071 Electrica 17-2071 Electrica 17-2072 Electron 17-2081 Environ 17-2012 Industri 17-2112 Industri 17-2112 Marine I 17-2112 Marine I 17-2113 Materia 17-2144 Mechan 17-2151 Mining a 17-2151 Nuclear 17-2151 Nuclear 17-2171 Petroleu 17-2171 Petroleu 17-2171 Electrica 17-2171 Petroleu 17-3011 Architec 17-3013 Mechan 17-3014 Aerospa 17-3019 Drafters 17-3017 Aerospa 17-3022 Civil Eng	graphers and Photogrammetrists	38,613	63,749	73,741	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2021 Agricult 17-2031 Biolongir 17-2041 Chemica 17-2051 Civil Eng 17-2051 Civil Eng 17-2051 Civil Eng 17-2071 Electrica 17-2071 Electrica 17-2081 Environ 17-2081 Environ 17-2111 Health a 17-2111 Health a 17-2111 Marine 17-2121 Marine 17-2121 Marine 17-2131 Millian 17-2141 Mechan 17-2151 Mining a 17-2151 Mining a 17-2171 Petroleu 17-2171 Petroleu 17-2171 Enginee 17-3012 Electrica 17-3013 Mechan 17-3014 Aerospa 17-3025 Civil Eng 17-3023 Electrica 17-3023 Electrica 17-3021 Electrica 17-3023 Electrica 17-3024 Electrica 17-3026 Electrica 17-3027 Electrica 17-3028 Electrica 17-3029 Electrica 17-3021 Electrica 17-3021 Electrica 17-3022 Civil Eng 17-3023 Electrica 17-3024 Electrica 17-3026 Electrica 17-3027 Electrica 17-3028 Electrica 17-3029 Electrica 17-3029 Electrica 17-3021 Electrica 17-3021 Electrica 17-3024 Electrica 17-3025 Electrica 17-3026 Electrica 17-3027 Electrica 17-3028 Electrica 17-3028 Electrica 17-3028 Electrica 17-3028 Electrica 17-3028 Electrica 17-3028 Electrica 17-3029 Electrica 17-3028 Electrica 17-3029 Electrica 17-3029 Electrica 17-3029 Electrica 17-3029 Electrica 17-3020 Electrica 17-3021 Electrica 17-3021 Electrica 17-3021 Electrica 17-3021 Electrica 17-3022 Electrica 17-3028 Electrica 17-3029 Electrica 17-3029 Electrica 17-3020 Electrica 17-3021 Electrica 17-3022 Electrica 17-3021 Electrica 17-3022 Electrica 17-3022 Electrica 17-3022 Electrica 17-3022 Electrica 17-3022 Elec	, .	37,440	64,186	72,800	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2031 Bioengir 17-2041 Chemica 17-2041 Chemica 17-2051 Cyuli Eng 17-2051 Comput 17-2051 Comput 17-2072 Electrica 17-2072 Electrica 17-2072 Electrica 17-2072 Electrica 17-2072 Electrica 17-2112 Industric 17-2111 Marine 17-2111 Marine 17-2121 Marine 17-2131 Materia 17-2141 Mechan 17-2151 Mining 17-2151 Nuclear 17-2171 Petroleu 17-2171 Petroleu 17-2171 Architec 17-3011 Architec 17-3013 Mechan 17-3019 Drafters 17-3019 Drafters 17-3010 Aerospa 17-3021 Civil Eng 17-3022 Civil Eng	space Engineers	82,529	124,932	156,705	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2041 Chemica 17-2051 Civil Eng 17-2051 Civil Eng 17-2071 Electrica 17-2071 Electrica 17-2071 Electrica 17-2081 Environ 17-2081 Environ 17-2111 Health a 17-2111 Marine I 17-2121 Marine I 17-2121 Marine I 17-2131 Materia 17-2141 Mechan 17-2151 Mining a 17-2151 Mining a 17-2151 Evrole 17-2171 Petroleu 17-2171 Petroleu 17-2191 Architec 17-3011 Architec 17-3012 Electrica 17-3019 Drafters 17-3019 Drafters 17-3020 Civil Eng	ultural Engineers	50.045	405 222	457.005							.,	
17-2051 Civil Eng 17-2051 Comput 17-2061 Comput 17-2072 Electron 17-2072 Electron 17-2072 Electron 17-2111 Health a 17-2121 Marine I 17-2121 Marine I 17-2131 Material 17-2131 Material 17-2151 Mining e 17-2151 Mining e 17-2151 Nuclear 17-2171 Petroleu 17-2199 Enginee 17-3012 Electrica 17-3013 Mechan 17-3019 Drafters 17-3019 Drafters 17-3019 Civil Eng 17-3023 Electrica 17-3023 Electrica 17-3023 Electrica	ngineers and Biomedical Engineers	59,815 63,077	105,223 95,494	157,205 106,260	Yes	Yes	Yes Yes	Bachelor's degree	-	Yes	Yes	Yes No
17-2061 Comput 17-2071 Electrica 17-2072 Electron 17-2081 Environ 17-2081 Environ 17-2081 Environ 17-2112 Industri 17-2112 Marine 17-2121 Marine 17-2121 Marine 17-2131 Materia 17-2141 Mechan 17-2151 Mining 17-2151 Nuclear 17-2171 Petroleu 17-2171 Petroleu 17-2171 Archite 17-3011 Archite 17-3012 Electrica 17-3013 Mechan 17-3019 Drafters 17-3014 Aerospa 17-3022 Civil Eng 17-3023 Electrica	nical Engineers	63,077 58,018	95,494 104,943	106,260 130,067	Yes Yes	Yes Yes	Yes Yes	Bachelor's degree Bachelor's degree		Yes	Yes	No Yes
17-2071 Electrica 17-2081 Environ 17-2081 Environ 17-2081 Environ 17-2111 Health a 17-2111 Marine 17-2121 Marine 17-2121 Marine 17-2141 Mechan 17-2151 Mining; 17-2151 Mining; 17-2151 Nuclear 17-2171 Petroleu 17-3011 Architec 17-3012 Electrica 17-3019 Drafters 17-3019 Drafters 17-3022 Civil Eng 17-3023 Electrica 17-3023 Electrica	outer Hardware Engineers	47.547	124,883	172.197	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
17-2072 Electron 17-2081 Environ 17-2081 Environ 17-2081 Environ 17-2111 Health A 17-2112 Industria 17-2121 Marine 17-2131 Materia 17-2141 Mechan 17-2151 Mining 17-2151 Mining 17-2151 Nuclear 17-2171 Petroleu 17-2171 Petroleu 17-3011 Archite 17-3013 Mechan 17-3019 Drafters 17-3019 Drafters 17-3021 Aerospa 17-3022 Civil Eng 17-3023 Electrica	rical Engineers	47,547 62.032	124,883	172,197	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
17-2081 Environ 17-2111 Health a 17-2111 Health a 17-2121 Marine I 17-2121 Marine I 17-2131 Material 17-2141 Mechan 17-2151 Mining a 17-2151 Mining a 17-2171 Petroleu 17-2171 Petroleu 17-3011 Archite 17-3012 Electrica 17-3019 Drafters 17-3019 Drafters 17-3020 Civil Eng 17-3023 Electrica	ronics Engineers, Except Computer	76,145	113,303	134,638	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2111 Health a 17-2112 Industrii 17-2121 Marine I 17-2131 Marine I 17-2131 Marine I 17-2151 Mining a 17-2151 Mining a 17-2151 Nuclear 17-2171 Petroleu 17-2171 Petroleu 17-2199 Enginee 17-3012 Electrica 17-3012 Electrica 17-3019 Drafters 17-3019 Drafters 17-3021 Aerospa 17-3022 Cvil Engi	onmental Engineers	60.008	100.591	115.206	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2112 Industri 17-2121 Marine I 17-2131 Material 17-2141 Mechan 17-2151 Mining I 17-2151 Mining I 17-2151 Nuclear 17-2171 Petroleu 17-2171 Petroleu 17-3011 Archite 17-3013 Mechan 17-3019 Drafters 17-3019 Drafters 17-3021 Aerospa 17-3022 Civil Eng 17-3023 Electrica	h and Safety Engineers, Except Mining Safety Engineers and Inspectors	52,444	91,125	108.659	Yes	Yes	Yes	Bachelor's degree		Yes	No	Yes
17-2131 Material 17-2141 Mechan 17-2141 Mechan 17-2151 Mining 2 17-2161 Nuclear 17-2171 Petroleu 17-2171 Petroleu 17-3011 Architec 17-3013 Mechan 17-3019 Drafters 17-3021 Aerospa 17-3022 Civil Eng 17-3023 Electrica	strial Engineers	64,005	94,960	106,572	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
17-2141 Mechan 17-2151 Mining a 17-2151 Wuclear 17-2171 Petroleu 17-2171 Petroleu 17-3011 Architec 17-3012 Electrica 17-3019 Drafters 17-3019 Drafters 17-3020 Civil Eng 17-3023 Electrica 17-3024 Electrica	ne Engineers and Naval Architects	50,278	76,115	89,512	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2151 Mining a 17-2161 Nuclear 17-2161 Nuclear 17-2199 Enginee 17-3011 Architee 17-3013 Mechan 17-3013 Mechan 17-3019 Drafters 17-3021 Aerospa 17-3022 Civil Eng 17-3023 Electrica	rials Engineers	62,400	90,993	102,491	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2161 Nuclear 17-2171 Petroleu 17-2171 Petroleu 17-3011 Architec 17-3013 Mechan 17-3019 Drafters 17-3020 Civil Eng 17-3022 Civil Eng 17-3023 Electrica	nanical Engineers	58,774	93,990	103,396	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
17-2171 Petroleu 17-2199 Enginee 17-3011 Architec 17-3012 Electrica 17-3013 Mechan 17-3011 Aerospa 17-3021 Aerospa 17-3022 Civil Eng 17-3023 Electrica 17-3024 Electrole	ng and Geological Engineers, Including Mining Safety Engineers	45,312	94,380	106,157	Yes	Yes	Yes	Bachelor's degree		No	Yes	No
17-2199 Enginee 17-3011 Architec 17-3012 Electrica 17-3013 Mechan 17-3019 Drafters 17-3021 Aerospa 17-3022 Civil Eng 17-3023 Electrica 17-3024 Electro-	ear Engineers	79,130	114,051	123,613	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-3011 Architec 17-3012 Electrica 17-3013 Mechan 17-3019 Drafters 17-3021 Aerospa 17-3022 Civil Eng 17-3023 Electrica 17-3024 Electro-	leum Engineers	65,568	128,101	153,684	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-3012 Electrica 17-3013 Mechan 17-3019 Drafters 17-3021 Aerospa 17-3022 Civil Eng 17-3023 Electrica 17-3024 Electro-	eers, All Other	54,267	112,606	135,368	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-3013 Mechan 17-3019 Drafters 17-3021 Aerospa 17-3022 Civil Eng 17-3023 Electrica 17-3024 Electro-1	tectural and Civil Drafters	39,518	58,137	63,240	Yes	Yes	No	Associate's degree		No	No	No
17-3019 Drafters 17-3021 Aerospa 17-3022 Civil Eng 17-3023 Electrica 17-3024 Electro-l	rical and Electronics Drafters	48,244	67,358	76,689	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3021 Aerospa 17-3022 Civil Eng 17-3023 Electrica 17-3024 Electro-l	nanical Drafters	38,126	62,042	76,067	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3022 Civil Eng 17-3023 Electrica 17-3024 Electro-		35,257	53,342	58,049	Yes	No	No	Associate's degree		No	No	No
17-3023 Electrica 17-3024 Electro-	space Engineering and Operations Technologists and Technicians	35,457 44,917	76,242 61,745	104,245 71,914	Yes	Yes	Yes Yes	Associate's degree		No	Yes	Yes Yes
17-3024 Electro-I	Engineering Technologists and Technicians rical and Electronic Engineering Technologists and Technicians	44,917 34,995	50,713	71,914 58,407	Yes	No	Yes No	Associate's degree		Yes		No Yes
	ro-Mechanical and Mechatronics Technologists and Technicians	40,614	55,778	61,950	No Yes	No	No	Associate's degree Associate's degree		No No	No No	No
17-3025 Environr	onmental Engineering Technologists and Technicians	30.628	45.088	50,961	No	No	No	Associate's degree		No	No	No
	strial Engineering Technologists and Technicians	44,770	57,351	61,636	Yes	No	No	Associate's degree		Yes	No	No
	nanical Engineering Technologists and Technicians	40,990	59,414	67,732	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
	ration Technologists and Technicians	46,438	72,091	86,873	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3029 Enginee	eering Technologists and Technicians, Except Drafters, All Other	34,591	68,259	81,661	No	Yes	Yes	Associate's degree		No	Yes	Yes
	eying and Mapping Technicians	30,474	45,621	48,585	No	No	No	Associate's degree		No	No	No
19-1011 Animal 9	al Scientists	36,413	79,657	118,763	Yes	Yes	Yes	Master's degree		No	No	Yes
	Scientists and Technologists	51,601	92,640	116,775	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
	nd Plant Scientists	38,882	81,033	101,064	Yes	Yes	Yes	Bachelor's degree		No	No	No
	nemists and Biophysicists	38,312	67,938	81,656	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
	biologists	37,997	75,679	98,634	Yes	Yes	Yes	Master's degree		No	No	Yes
	ogists and Wildlife Biologists	34,320	53,037	58,240	No	No	No	Master's degree		No	No	No
	gical Scientists, All Other	37,440	67,085	84,594	Yes	Yes	Yes	Bachelor's degree		No	No	No
	ervation Scientists	37,227	90,066	129,958	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
		36,472	58,943	69,412 83.165	Yes	Yes	Yes	Bachelor's degree		No	No	No
	emiologists	49,462	79,913 88.407		Yes	Yes	Yes	Doctoral or professional degree		No	No No	No No
	cal Scientists, Except Epidemiologists cientists, All Other	56,816 55.040	88,407 84.526	84,261 90.331	Yes	Yes	Yes	Bachelor's degree	-	Yes	No No	No No
19-1099 Life Scie 19-2011 Astrono		76,008	84,526 155,470	90,331 218,091	Yes Yes	Yes	Yes Yes	Bachelor's degree Doctoral or professional degree		Yes	No Yes	No Yes
19-2011 Astronol 19-2012 Physicist		76,008	155,470	218,091	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	1	Yes	Yes	Yes
	ospheric and Space Scientists	67.989	77.417	73.304	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	No No	No No
19-2031 Chemist		51.602	76,138	83.103	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	No	No
	rials Scientists	67,197	113,329	132,579	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
	onmental Scientists and Specialists, Including Health	36,899	65,596	72,923	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
	cientists, Except Hydrologists and Geographers	52,348	96,561	119,517	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-2043 Hydrolog	plogists	42,287	66,553	79,374	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2099 Physical	cal Scientists, All Other	32,282	73,576	92,581	No	Yes	Yes	Bachelor's degree		No	No	No
19-3011 Econom	omists	65,435	94,244	102,462	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
	ey Researchers	35,459	78,723	104,115	Yes	Yes	Yes	Master's degree		No	No	Yes
	strial-Organizational Psychologists	72,622	124,979	151,235	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	No
	al and Counseling Psychologists	48,692	109,941	119,995	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3034 School P	ol Psychologists	47,727	73,080	78,367	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
	nologists, All Other	26,291	92,694	119,517	No	Yes	Yes	Doctoral or professional degree		No	No	No
19-3041 Sociolog		28,637	57,274	49,615	No	No	No	Master's degree		No	No	No
19-3051 Urban a		40,485	73,647	94,163	Yes	Yes	Yes	Master's degree		No	No	Yes

Wages - Workforce Re May 2022	egion 14	Annual M	ages (\$) by Occupat	ion	Waga Maat	s or Evenode All C	Occupation Metric		Wage M	eets or Exceeds Educa	tional Loyal Matris
way 2022			Average Annual	High-Level Wage	Representative	Average Annu			Representation		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wag		Threshold
19-3091 19-3092	Anthropologists and Archeologists	39,087	61,538	72,798	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers Historians	55,040 35.126	84,526 70.163	90,331 95.502	Yes Yes	Yes Yes	Yes Yes	Master's degree	Yes	Yes No	No Yes
19-3093	Political Scientists	37,526	93.717	127.233	Yes	Yes	Yes	Master's degree Master's degree	No	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	66,206	90,925	100,526	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-4012	Agricultural Technicians	29.320	38,999	45,273	No	No	No	Associate's degree	No	No	No
19-4013	Food Science Technicians	33,498	46,652	50,161	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	31,200	42,064	49,525	No	No	No	Bachelor's degree	No	No	No
19-4031	Chemical Technicians	31,355	50,042	61,230	No	No	No	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	25,419	42,278	46,506	No	No	No	Associate's degree	No	No	No
19-4043	Geological Technicians, Except Hydrologic Technicians	35,880	45,954	49,410	Yes	No	No	Associate's degree	No	No	No
19-4044	Hydrologic Technicians	35,233	55,069	65,860	Yes	No	Yes	Associate's degree	No	No	No
19-4051 19-4061	Nuclear Technicians	38,150	61,967	78,662	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
19-4061	Social Science Research Assistants Forest and Conservation Technicians	30,023 33,194	48,122 46.034	55,264 54,776	No No	No No	No No	Bachelor's degree	No No	No No	No No
19-4071	Forensic Science Technicians	37,019	59,855	74,779	Yes	Yes	Yes	Associate's degree Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	31,351	48.820	58.176	No	No	No	Bachelor's degree	No	No No	No
19-5011	Occupational Health and Safety Specialists	38,504	74,272	84,989	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	36,982	56,461	60,959	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	35,643	50,249	59,609	Yes	No	No	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	36,476	45,274	50,644	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	27,920	41,053	43,060	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	29,072	46,291	51,685	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	27,040	37,462	39,765	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	30,277	52,982	66,231	No	No	Yes	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	27,844	52,528	60,319	No	No	No	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	31,463	48,345	57,580	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	36,234	64,460	81,994	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091 21-1092	Health Education Specialists	29,747	60,723	81,840	No	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists Social and Human Service Assistants	32,282 28,989	42,810 37,760	46,966 41.719	No No	No	No No	Bachelor's degree	No No	No No	No No
21-1093	Community Health Workers	28,989	47,394	50.078	No	No No	No	Some college, no degree Bachelor's degree	No No	No No	No
21-1099	Community Health Workers Community and Social Service Specialists, All Other	20,800	56.583	58.928	No	No	No	Bachelor's degree	No.	No	No
21-2011	Clergy	34,819	54,505	60,563	No	No	No	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	27.442	45,879	48,137	No	No	No	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	29,301	45,240	57,029	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	60,293	134,112	165,058	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
23-1012	Judicial Law Clerks	39,832	46,992	47,195	Yes	No	No	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	41,604	91,444	113,553	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	33,028	61,372	75,442	No	Yes	Yes	Bachelor's degree	No	No	No
23-1023	Judges, Magistrate Judges, and Magistrates	41,604	91,444	113,553	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-2011	Paralegals and Legal Assistants	38,432	59,137	65,211	Yes	Yes	Yes	Associate's degree	No	Yes	No
23-2093	Title Examiners, Abstractors, and Searchers	31,713	50,975	57,717	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
25-1011	Legal Support Workers, All Other Business Teachers, Postsecondary	28,968 46,249	71,656 83.784	104,531 95.698	No Yes	Yes	Yes Yes	Associate's degree	No No	Yes No	Yes No
25-1011	Computer Science Teachers, Postsecondary	47,068	88,887	110,148	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No	No	No
25-1021	Mathematical Science Teachers, Postsecondary	46,580	74.213	87.911	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Architecture Teachers, Postsecondary	37,867	100,479	125,984	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	45,917	88,136	121,251	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	43,848	60,836	73,969	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	51,371	87,102	97,659	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	43,848	60,836	73,969	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	45,683	62,777	60,826	Yes	Yes	No	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	38,970	79,716	95,746	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	43,458	70,641	88,068	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	46,815	62,924	62,182	Yes	Yes	No	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	45,683	83,238	97,795	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	47,449	65,421	75,110	Yes	Yes	Yes	Doctoral or professional degree	No	No No	No
25-1063	Economics Teachers, Postsecondary	45,907	58,133	53,371	Yes	Yes	No No	Doctoral or professional degree	No	No	No
25-1064 25-1065	Geography Teachers, Postsecondary Political Science Teachers, Postsecondary	45,683 44.327	62,777	60,826 57,635	Yes	Yes	No No	Doctoral or professional degree	No No	No No	No No
25-1065	Psychology Teachers, Postsecondary Psychology Teachers, Postsecondary	44,327	62,416 79,940	90,926	Yes Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No
25-1066	Sociology Teachers, Postsecondary Sociology Teachers, Postsecondary	46,561	79,940 98.459	90,926	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No
25-1069	Social Sciences Teachers, Postsecondary, All Other	45,263	63,694	74.944	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No
25-1071	Health Specialties Teachers, Postsecondary	48,476	66,197	75,575	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-1072	Nursing Instructors and Teachers, Postsecondary	48,853	79,538	95,682	Yes	Yes	Yes	Master's degree	No	No	Yes
25-1081	Education Teachers, Postsecondary	37,018	72,915	83,706	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	47,302	72,456	79,842	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	41,741	56,855	59,450	Yes	No	No	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	63,252	199,348	203,962	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	59,811	68,602	75,383	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	45,829	85,453	96,137	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	44,863	78,193	96,995	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	43,390	67,061	76,808	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	40,111	66,319	77,003	Yes	Yes	Yes	Doctoral or professional degree	No	No No	No
25-1125 25-1126	History Teachers, Postsecondary Philosophy and Religion Teachers, Postsecondary	41,038 44,483	54,337 65.831	47,820 77.159	Yes Yes	No Yes	No	Doctoral or professional degree	No No	No No	No No
25-1126		44,483 37,018	72,915	77,159 83,706	Yes	Yes	Yes Yes	Doctoral or professional degree	No No	No No	No No
73-119Z	Family and Consumer Sciences Teachers, Postsecondary	37,018	12,915	83,706	res	162	res	Master's degree	INO	INO	INO

May 2022	egion 14	Annual W	ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All O	Occupation Metric		\top	Wage Meets	or Exceeds Educat	onal Level Metric
,			Average Annual	High-Level Wage	Representative	Average Annu			F	Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	s	Starting Wage	Wage	Threshold
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	42,980	73,334	77,354	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	36,451	52,080	64,311	Yes	No	No	Master's degree		No	No	No
25-1199 25-2011	Postsecondary Teachers, All Other Preschool Teachers, Except Special Education	38,505 22,735	62,408 30.098	78,251 33,534	Yes No	Yes	Yes No	Doctoral or professional degree Associate's degree		No No	No No	No No
25-2012	Kindergarten Teachers, Except Special Education	57,841	71,504	74,460	Yes	Yes	Yes	Bachelor's degree		vo res	No	No
25-2012	Elementary School Teachers, Except Special Education	46,388	66,913	76,935	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2021	Middle School Teachers, Except Special and Career/Technical Education	46,727	66.234	74,576	Yes	Yes	Yes	Bachelor's degree		No.	No	No
25-2023	Career/Technical Education Teachers, Middle School	46,512	64,280	72,847	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	50.047	69,403	74,879	Yes	Yes	Yes	Bachelor's degree		/es	No	No
25-2032	Career/Technical Education Teachers, Secondary School	45,312	67,700	75,028	Yes	Yes	Yes	Bachelor's degree	1	No	No	No
25-2051	Special Education Teachers, Preschool	29,505	47,594	48,066	No	No	No	Bachelor's degree		No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	47,314	69,314	78,296	Yes	Yes	Yes	Bachelor's degree	1	No	No	No
25-2057	Special Education Teachers, Middle School	49,632	67,287	74,779	Yes	Yes	Yes	Bachelor's degree		/es	No	No
25-2058	Special Education Teachers, Secondary School	61,168	74,288	79,774	Yes	Yes	Yes	Bachelor's degree	Υ	/es	No	No
25-2059	Special Education Teachers, All Other	27,831	42,094	49,213	No	No	No	Bachelor's degree	N	No	No	No
	Adult Basic Education, Adult Secondary Education, and English as a Second											
25-3011	Language Instructors	48,386	57,628	62,712	Yes	Yes	No	Bachelor's degree		No	No	No
25-3021	Self-Enrichment Teachers	21,929	36,910	46,485	No	No	No	Some college, no degree		No	No	No
25-3031	Substitute Teachers, Short-Term	22,324	38,716	35,984	No	No	No	Bachelor's degree		No	No	No
25-3041	Tutors	22,380	45,446	67,068	No	No	Yes	Bachelor's degree		No.	No	No
25-3099 25-4011	Teachers and Instructors, All Other Archivists	23,263 28,657	52,718 45.888	69,306 54,796	No No	No No	Yes No	Bachelor's degree		No No	No No	No No
25-4011 25-4012	Curators	28,657 40.598	45,888 57,662	54,796 70.603	No Yes	No Yes	No Yes	Master's degree		No No	No No	No No
25-4012 25-4013	Curators Museum Technicians and Conservators	40,598	57,662 42.968	70,603 47.431		Yes No	Yes No	Master's degree				No No
25-4013	Librarians and Media Collections Specialists	29,940 43,930	42,968 63.115	47,431 76,968	No Yes	No Yes	No Yes	Bachelor's degree Master's degree		No No	No No	No No
25-4022	Library Technicians	43,930 28.517	38,249	76,968 45.093	Yes No	Yes No	Yes No	Associate's degree		No No	No	No No
25-9021	Farm and Home Management Educators	28,517	38,249 46,229	45,093 56,845	No No	No No	No No	Associate's degree Master's degree		No No	No No	No No
25-9021	Instructional Coordinators	37.981	65.501	76.641	Yes	Yes	Yes	Master's degree		No	No	No
25-9044	Teaching Assistants, Postsecondary	20,675	32.120	39,965	No	No	No.	Bachelor's degree		No.	No	No
25-9045	Teaching Assistants, Fostsecondary Teaching Assistants, Except Postsecondary	22,604	27.540	28.904	No	No	No	Some college, no degree		No.	No	No
25-9099	Educational Instruction and Library Workers, All Other	38.581	49.797	47.149	Yes	No	No	Bachelor's degree		No.	No	No.
27-1011	Art Directors	51,583	84.968	95.933	Yes	Yes	Yes	Bachelor's degree		res	No	No
27-1012	Craft Artists	20.744	33,496	38,628	No	No	No	Some college, no degree		No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	29,120	45,263	43,090	No	No	No	Bachelor's degree		No	No	No
27-1014	Special Effects Artists and Animators	40,484	59,252	64.196	Yes	Yes	No	Bachelor's degree		No	No	No
27-1019	Artists and Related Workers, All Other	26,304	49,639	59,248	No	No	No	Some college, no degree	1	No	Yes	Yes
27-1021	Commercial and Industrial Designers	22,761	53,483	67,181	No	No	Yes	Bachelor's degree		No	No	No
27-1022	Fashion Designers	36,521	65,948	77,549	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1023	Floral Designers	28,058	34,529	36,335	No	No	No	High school diploma or equivalent	1	No	No	No
27-1024	Graphic Designers	35,880	53,427	61,439	Yes	No	No	Bachelor's degree	1	No	No	No
27-1025	Interior Designers	36,771	62,981	73,809	Yes	Yes	Yes	Bachelor's degree	N.	Vo	No	No
27-1026	Merchandise Displayers and Window Trimmers	26,564	35,876	38,765	No	No	No	Some college, no degree		No	No	No
27-1027	Set and Exhibit Designers	35,604	45,010	46,600	Yes	No	No	Bachelor's degree	N.	No	No	No
27-1029	Designers, All Other	29,690	82,657	80,025	No	Yes	Yes	Bachelor's degree		No	No	No
27-2011	Actors	29,388	33,516	31,311	No	No	No	Some college, no degree		No	No	No
27-2012	Producers and Directors	38,166	71,413	80,717	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-2021	Athletes and Sports Competitors	24,773	63,206	62,855	No	Yes	No	Some college, no degree		No	Yes	Yes
27-2022	Coaches and Scouts	26,377	72,686	78,588	No	Yes	Yes	Bachelor's degree		No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	20,823	38,459	43,282	No	No	No	Some college, no degree		No	No	No
27-2031 27-2032	Dancers Choreographers	29,388 29,388	33,516 33,516	31,311 31,311	No No	No	No	High school diploma or equivalent		No	No	No
	Music Directors and Composers	29,388 36.415	53,516 69.086	31,311 83.301		No Yes	No Yes	Some college, no degree		No No	No No	No No
27-2041 27-2042	Music Directors and Composers Musicians and Singers	36,415 29.388	33,516	83,301 31,311	Yes No	Yes No	Yes No	Bachelor's degree		NO No	No No	No No
27-2042 27-2091	Disc Jockeys, Except Radio	29,388	53,516 59,226	58.650	No No	Yes	No No	Some college, no degree Bachelor's degree		NO No	No No	No No
27-2091	Entertainers and Performers, Sports and Related Workers, All Other	21,661	59,226	58.650	No	Yes	No	Some college, no degree		No	Yes	Yes
27-3011	Broadcast Announcers and Radio Disc Jockeys	23,442	55,273	58,208	No	No.	No	Bachelor's degree		NO No	No Yes	No Yes
27-3023	News Analysts, Reporters, and Journalists	40.155	70,290	78.933	Yes	Yes	Yes	Bachelor's degree		No.	No	No
27-3031	Public Relations Specialists	34.124	63,473	76,185	No	Yes	Yes	Bachelor's degree		No.	No	No
27-3041	Editors	31,668	64,396	76,634	No	Yes	Yes	Bachelor's degree		No	No	No
27-3042	Technical Writers	48,994	73,355	84,098	Yes	Yes	Yes	Bachelor's degree		res	No	No
27-3043	Writers and Authors	36,186	73,238	84,386	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3091	Interpreters and Translators	34,519	64,170	83,906	No	Yes	Yes	Bachelor's degree		No	No	No
27-3092	Court Reporters and Simultaneous Captioners	27,521	49,988	60,909	No	No	No	Postsecondary nondegree award	1	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	21,124	48,880	61,881	No	No	No	Associate's degree		No	No	No
27-4011	Audio and Video Technicians	31,080	51,285	62,115	No	No	No	Associate's degree	1	No	No	No
27-4012	Broadcast Technicians	23,990	54,078	68,313	No	No	Yes	Associate's degree		No	No	Yes
27-4014	Sound Engineering Technicians	26,383	66,114	98,381	No	Yes	Yes	Associate's degree		No	Yes	Yes
27-4015	Lighting Technicians	29,262	48,083	59,177	No	No	No	Associate's degree	l.	No	No	No
27-4021	Photographers	27,481	37,906	46,706	No	No	No	Some college, no degree		No	No	No
27-4031	Camera Operators, Television, Video, and Film	30,783	62,294	65,060	No	Yes	Yes	Bachelor's degree		No	No	No
27-4032	Film and Video Editors	33,082	59,798	71,897	No	Yes	Yes	Bachelor's degree		No	No	No
27-4099	Media and Communication Equipment Workers, All Other	20,803	47,528	60,809	No	No	No	Associate's degree		No	No	No
29-1011	Chiropractors	64,622	87,880	99,986	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
29-1021	Dentists, General	100,516	160,816	163,287	Yes	Yes	Yes	Doctoral or professional degree		/es	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	51,254	221,789	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*
29-1023	Orthodontists	68,700	166,778	207,729	Yes	Yes	Yes	Doctoral or professional degree		No	Yes	Yes
29-1024	Prosthodontists	51,254	221,789	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*
29-1029	Dentists, All Other Specialists	51,254	221,789	*	Yes	Yes	Yes*	Doctoral or professional degree	I N	No	Yes	Yes*

Properties Pro			T	_	T 14/ 844	F d- Fd	ational Level Metric
Description Conference Co			!		Representative	Average Annu	
2-100			Educational Requirement		Starting Wage	Wage	Threshold
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Personal						No	No
Programme				_	1	No No	Yes No
2-901 Control Contro				-		Yes	Yes
19.10			· ·	-		Yes	Yes
20.1131				_		Yes	Yes
Marie Mari						No	No
Section Processing 15-44 70.05		Yes			Yes	Yes	Yes
1915 September 1922 1925 19		Yes	Bachelor's degree		No	No	No
2012 Section Processing 1, 10, 10 1, 1		Yes			Yes	Yes	Yes
19-110 Tempin Allahum					Yes	Yes	Yes
2.511			Master's degree			No	No
Section Sect				_		No	No
2015 Mark Anabelination				_		No	No
2011 Neur Malaulos				_		No Yes	No Yes
193111				-		Yes	Yes
20.1151 Auditionipsis Color Co				-		Yes	Yes
20.2003 Proceedings			·	-		No	No
2-111				_		Yes	Yes*
2-113 Commodogatis Commodogat				_		Yes	Yes*
20.11 Compares Merician Projections 20.057 334,74 vs.						Yes	Yes*
20-2131 Family Medicine Physicians Cl., 2011 13,171 20,000 Yes Yes Yes Control or professional degree Yes Yes		Yes*			Yes	Yes	Yes*
2-116 General Internative Merickine Physicians		Yes				No	Yes
22-121 Operations of dynamic office 10,777 123,050						Yes	Yes*
20-22.21 Pedanocas, Gameral 118,724 126,093 22,443 Ves Ves Ves Control or professional degree Ves Ves Ves Ves Ves Ves Control or professional degree Ves Ves			Doctoral or professional degree			Yes	Yes*
20-2222 Physicians 198.024 200,712 181,04 Ves						Yes	Yes*
2012.23 Psychamates				_		Yes	Yes
\$2.12.21 Saciologogic \$6.04 \$277.035 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$				_		Yes	Yes
20-221 Physicians, Al Other 102-211 274-275 Ves				_		Yes	Yes*
20-141 Ophthalmologists, Except Pediatric 99.532 214.246 Yes				-		Yes	Yes* Yes*
20.1242 Officepoeth Congregors Decogn Pediatric 122,915 200,997 202,384 Ves				-		Yes	Yes*
2-1243 Pedartic Sirgerior				-		Yes	Yes
\$2.258 Segrent, Al Other				-		Yes	Yes*
20-2291 Acquarterists				_		Yes	Yes*
20-1392 Dental Higherinats						No	No
20-2010 Clinical Laboratory Technologists and Technicians 31,935 54,581 71,136 No Ves Associate's degree No No Yes 24,500 Yes Yes Yes Associate's degree No Yes 22-2022 Diagnostic Medical Sonographers 62,372 77,573 84,033 Ves Yes Yes Yes Associate's degree Yes Yes						Yes	Yes
2-2-23.1 Cardiovacular Technologists and Technicians 30.802 \$8.122 77.7679 No Yes Yes Associate's degree No 2-2-23.3 Nuclear Medicine Technologists 71.967 83.239 85.338 Yes Yes Yes Associate's degree Yes		Yes	Master's degree		Yes	Yes	Yes
20-2032 Degroots Medical Sonographers 62,372 77,573 84,033 Ves Ves Ves Associate's degree Ves Ves Ves Associate's degree Ves V		Yes	Associate's degree		No	No	Yes
29-2033 Nuclear Medicine Technologists 71,987 85,239 85,238 Ves Ves Associaté's degree Ves 29-2035 Againetic Reconnance Imaging Technologists and Technologists and Technologists 58,428 77,128 79,040 Ves Ves Ves Associaté's degree Ves 29-2035 Magnetic Reconnance Imaging Technologists 58,428 77,128 79,040 Ves Ves Ves Associaté's degree Ves 29-2025 Magnetic Reconnance Imaging Technologists 58,428 77,128 79,040 Ves Ves Ves Ves Associaté's degree Ves 29-2026 Medical Deciniorists 33,764 33,863 40,152 No No No No Potsecondary nondegree award Ves 29-2014 Paramedic Ves V			Associate's degree			No	Yes
39-2034 Radiologit Technologists and Technicians 48,339		Yes				Yes	Yes
39-3055 Magnetic Resonance imaging Technologists 98,546 72,182 79,040 Ves Ves Ves Ves Ves Ves 29-305 Ves				_		Yes	Yes
39.2036 Medical Dosimetrists				_		Yes	Yes
29-2042 Emergency Medical Technicians				_		Yes	Yes
39-2043 Paramedics				_		Yes	Yes No
29.2051 Dietetic Technicians 23.241 30.257 32.716 No No No No Associate's degree No 29.2052 Pharmacy Technicians 29.679 38.029 43.441 No No No No Postsecondary nondegree award No No No No Postsecondary nondegree award No No No No No No No No No No No No No No				-		No Yes	No
39.052 Pharmacy Technicians 29.679 38.029 43.441 No No No No Postsecondary nondegree award No 39.055 Surgical Technologists 38.158 52.127 60.331 Ves No No No No Postsecondary nondegree award Ves 39.055 Surgical Technologists 29.416 37.861 45.569 No No No No No Postsecondary nondegree award Ves 29.056 Vesteriany Technologists and Technicians 29.416 37.861 45.569 No				-		No	No
29-2053 Psychiatric Technicians 27,896 37,777 40,828 No No No No Postsecondary nondegree award No 29-2055 Surgical Technicians 29,416 37,861 45,559 No No No No Postsecondary nondegree award Ves 29-2057 Ophthalmic Medical Technicians 29,416 47,292 No No No No No Associate's degree No 29,055 Ophthalmic Medical Technicians 29,174 40,224 47,292 No No No No No No Postsecondary nondegree award No 29,055 No				-		No	No
29.055 Surgical Technologists 38.158 52.127 60.31 Yes No No Postsecondary nondegree award Yes 29.056 Veterinary Technologists and Technicians 29.146 40.224 47.292 No No No No No Postsecondary nondegree award No No No No No No No N				_		No	No
29.056 Veterinary Technologists and Technicians 29.116 37.851 45.569 No No No No Associate's degree No 29.057 Ophthalmic Medical Technicians 29.117 40.024 47.292 No No No No Postsecondary nondegree award No 29.051 Ucersed Practical and Licensed Vocational Nurses 39.590 53.852 60.223 Ves No No No Postsecondary nondegree award Ves Ves No No No No Postsecondary nondegree award No No No No No No No No No Postsecondary nondegree award No				_		Yes	Yes
29-2057 Ophthalmic Medical Technicians 29-174 40,224 47,292 No No No Postsecondary nondegree award No 29-2056 Licensed Practical and Licensed Vecational Nurses 39,505 53,852 60,22 Ves No No No Postsecondary nondegree award Ves 29-2072 Medical Records Specialists 30,933 48,447 58,157 No No No No No Postsecondary nondegree award No 29-2081 Opticians, Ostgersing No		No	Associate's degree		No	No	No
29-2061 Licensed Practical and Licensed Vocational Nurses 39,590 53,852 60,223 Ves No No Postsecondary nondegree award Ves 29-2072 Medicial Record's Specialists 30,970 49,517 58,616 No No No No Postsecondary nondegree award No 29-2081 Opticians, Dispensing 30,970 49,517 58,616 No No No No No Postsecondary nondegree award No No No No No No No N						No	No
29-2081 Opticians, Dispensing 30,970 49,517 58,616 No No No No Postsecondary nondegree award No		No			Yes	Yes	Yes
29-2091						Yes	Yes
Postsecondary nondegree award Postsecondary nondegree awar						Yes	Yes
29-2099				_		Yes	Yes
29-9021 Health Information Technologists and Medical Registrars 37,014 59,077 78,345 Yes Yes Yes Yes Postsecondary nondegree award Yes 29-9091 Athletic Trainers 39,668 52,209 58,604 Yes No No No Backelor's degree No No 29-9093 Surgical Assistants 40,480 45,228 40,480 Yes No No No No Postsecondary nondegree award Yes No No No No No No No N			, ,	1		Yes	Yes
29-9091				1		Yes	Yes
29-9092 Genetic Counselors 50,191 86,614 100,479 Yes Yes Yes Yes Yes Master's degree No				-		Yes	Yes
29-9093 Surgical Assistants 40,480 45,228 40,480 40,480 45,228 40,480 40,480 45,228 40,480 45,228 40,480 40,48	—			-		No	No
19-9099 Healthcare Practitioners and Technical Workers, All Other 31,512 53,343 71,314 No				-		Yes	Yes No
31-1120 Home Health and Personal Care Aides 22,639 28,781 30,776 No No No No High school diploma or equivalent No		-		-		Yes	No Yes
31-1131 Nursing Assistants 28,687 35,290 36,688 No No No No Postsecondary nondegree award No				-		No	No
31-1132				1		No	No
31-133 Psychiatric Aides 26,188 31,750 33,789 No No No No No High school diploma or equivalent No				1		No	No
31-2011 Occupational Therapy Assistants 58,937 67,693 74,081 Yes Yes Yes Associate's degree Yes 31-2012 Occupational Therapy Aides 29,213 54,699 66,661 No No Yes Postsecondary nondegree award No 31-2021 Physical Therapist Aides 51,955 67,617 76,430 Yes Yes Yes Associate's degree Yes 31-2021 Physical Therapist Aides 23,211 30,182 31,200 No No No Postsecondary nondegree award No 31-9011 Massage Therapists 58,811 55,574 59,651 No No No Postsecondary nondegree award No 31-9091 Dental Assistants 38,821 45,840 46,727 Yes No No Postsecondary nondegree award Yes 31-9092 Medical Assistants 30,114 37,794 41,355 No No No Postsecondary nondegree award No 31-9093 Medical Equipment Prepar				1		No	No
31-2012 Occupational Therapy Aides 29,213 54,659 66,661 No No Yes Postsecondary nondegree award No						Yes	Yes
31-2021 Physical Therapist Assistants 51,955 67,617 76,430 Yes Yes Yes Associate's degree Yes 31-2022 Physical Therapist Aides 23,211 30,182 31,200 No No No Postsecondary nondegree award No 31-9011 Massage Therapists 28,811 55,574 59,651 No No No No Postsecondary nondegree award No 31-9091 Dental Assistants 38,821 45,840 46,727 Yes No No No Postsecondary nondegree award Yes 31-9092 Medical Assistants 30,114 37,794 41,395 No No No Postsecondary nondegree award No 31-9093 Medical Equipment Preparers 31,303 38,287 39,743 No No No No High School diploma or equivalent Yes						Yes	Yes
31-2022 Physical Therapist Aides 23,211 30,182 31,200 No No No Postsecondary nondegree award No 31-9011 Massage Fhrapists 5,574 59,651 No No No Postsecondary nondegree award No 31-9091 Dental Assistants 38,821 45,840 46,727 Yes No No Postsecondary nondegree award Yes 31-9092 Medical Assistants 30,114 37,794 41,395 No No No Postsecondary nondegree award No 31-9093 Medical Rujument Preparers 31,303 38,287 39,743 No No No No No High school diploma or equivalent Yes					Yes	Yes	Yes
31-9011 Massage Therapists 28,811 55,574 59,651 No No No Postsecondary nondegree award No 31-9091 Dental Assistants 38,821 45,840 46,727 Yes No No Postsecondary nondegree award Yes 31-9092 Medical Assistants 30,14 37,794 41,395 No No No Postsecondary nondegree award No 31-9092 Medical Equipment Preparers 31,303 38,287 39,743 No No No High school diploma or equivalent Yes		No			No	No	No
31-9091 Dental Assistants 38,821 45,840 46,727 Yes No No Postsecondary nondegree award Yes 31-9092 Medical Assistants 30,114 37,794 41,395 No No No No Postsecondary nondegree award No 31-9093 Medical Equipment Preparers 31,303 38,287 39,743 No No No No High School diploma or equivalent Yes					No	Yes	Yes
31-9093 Medical Equipment Preparers 31,303 38,287 39,743 No No No High school diploma or equivalent Yes		No			Yes	Yes	No
						No	No
				1		No	No
31-9094 Medical Transcriptionists 24,526 32,908 37,007 No No Postsecondary nondegree award No		No	Postsecondary nondegree award		No	No	No

May 2022 Occupational Code			/ages (\$) by Occupat	tion	wage weet	s or Exceeds All O						
Occupational Code		Representative	Average Annual	High-Level Wage	Representative	Average Annu				sentative	Average Annua	tional Level Metric al High-Level Wage
	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		ng Wage	Wage	Threshold
31-9095	Pharmacy Aides	22,246	35,399	40,895	No	No	No	High school diploma or equivalent	No		No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	26,958	32,930	36,132	No	No	No	High school diploma or equivalent	No		No	No
31-9097	Phlebotomists	30,887	39,194	39,939	No	No	No	Postsecondary nondegree award	No		No	No
31-9099 33-1011	Healthcare Support Workers, All Other First-Line Supervisors of Correctional Officers	28,053 33,280	41,413	45,988	No	No	No	High school diploma or equivalent	No		No	No
33-1011	First-Line Supervisors of Correctional Officers First-Line Supervisors of Police and Detectives	62,283	46,225 87.621	50,130 98,504	No Yes	No Yes	No Yes	Some college, no degree Bachelor's degree	Yes Yes		Yes No	No No
33-1012	First-Line Supervisors of Frefighting and Prevention Workers	62,283	85,863	97,308	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
33-1091	First-Line Supervisors of Security Workers	31,212	47.075	55,007	No	No	No	Bachelor's degree	No.		No	No.
33-1099	First-Line Supervisors of Protective Service Workers, All Other	38,066	58,001	63,536	Yes	Yes	No	Some college, no degree	Yes		Yes	Yes
33-2011	Firefighters	36,264	56,075	64,179	Yes	No	No	Postsecondary nondegree award	Yes		Yes	Yes
33-2021	Fire Inspectors and Investigators	44,554	64,565	77,578	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	54,308	89,307	100,820	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
33-3011	Bailiffs	28,471	54,025	63,626	No	No	No	High school diploma or equivalent	No		Yes	Yes
33-3012	Correctional Officers and Jailers	30,867	40,353	46,658	No	No	No	High school diploma or equivalent	Yes		No	No
33-3021	Detectives and Criminal Investigators	47,305	71,613	81,245	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
33-3031	Fish and Game Wardens	26,383	28,608	28,774	No	No	No	Bachelor's degree	No		No	No
33-3041	Parking Enforcement Workers	29,071	37,149	45,430	No	No	No	High school diploma or equivalent	No		No	No
33-3051	Police and Sheriff's Patrol Officers	47,995	69,114	76,428	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
33-3052	Transit and Railroad Police	58,269	72,398	59,421	Yes	Yes	No	Associate's degree	Yes		Yes	No
33-9011	Animal Control Workers	39,150	42,399	44,616	Yes	No	No	Postsecondary nondegree award	Yes		No	No
33-9021	Private Detectives and Investigators	31,155	46,545	47,448	No	No	No	Bachelor's degree	No		No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	27,681	34,765	37,682	No	No	No	High school diploma or equivalent	No		No	No
33-9032 33-9091	Security Guards	22,985	31,164	34,808	No	No	No	High school diploma or equivalent	No		No	No
33-9091 33-9092	Crossing Guards and Flaggers	25,083	34,352	39,142	No No	No	No No	No formal educational credential	Yes		Yes	Yes
33-9092 33-9093	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	21,051	27,844	31,248	No Vos	No	No No	No formal educational credential	No		No	No No
33-9094	Transportation Security Screeners School Bus Monitors	35,277 22,275	42,159 26,598	45,136 27,778	Yes No	No No	No No	High school diploma or equivalent High school diploma or equivalent	Yes No		No No	No No
33-9099		26,294	39,329	50.972	No	No	No No		No		No	No No
35-1011	Protective Service Workers, All Other Chefs and Head Cooks	34,823	55,666	64,853	No	No	No	High school diploma or equivalent Associate's degree	No		No	No
35-1011	First-Line Supervisors of Food Preparation and Serving Workers	28,050	41,205	48,163	No	No	No		No		No	No
35-2011	Cooks, Fast Food	22,059	26.572	29.676	No.	No.	No	High school diploma or equivalent No formal educational credential	No.		No.	No.
35-2012	Cooks, Institution and Cafeteria	26,238	34.405	36.370	No No	No	No	No formal educational credential	Yes		Yes	Yes
35-2013	Cooks, Private Household	31.564	57,430	70.768	No	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
35-2014	Cooks, Restaurant	27.652	32.801	35,674	No	No	No	High school diploma or equivalent	No		No	No.
35-2015	Cooks, Short Order	22,326	29,509	34,006	No	No	No	No formal educational credential	No		No	No
35-2019	Cooks, All Other	27.510	32,274	35,223	No	No	No	No formal educational credential	Yes		Yes	Yes
35-2021	Food Preparation Workers	24,240	30,447	34,603	No	No	No	No formal educational credential	Yes		No	Yes
35-3011	Bartenders	21,323	34,389	37.252	No	No	No	No formal educational credential	No		Yes	Yes
35-3023	Fast Food and Counter Workers	22,004	26,056	27,883	No	No	No	No formal educational credential	No		No	No
35-3031	Waiters and Waitresses	21,203	32,978	36,368	No	No	No	No formal educational credential	No		Yes	Yes
35-3041	Food Servers, Nonrestaurant	21,471	28,025	30,653	No	No	No	No formal educational credential	No		No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	21,039	27,502	30,303	No	No	No	No formal educational credential	No		No	No
35-9021	Dishwashers	22,562	27,506	28,832	No	No	No	No formal educational credential	No		No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	21,431	28,508	29,234	No	No	No	No formal educational credential	No		No	No
35-9099	Food Preparation and Serving Related Workers, All Other	23,220	26,443	27,015	No	No	No	No formal educational credential	No		No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	28,736	45,493	49,830	No	No	No	High school diploma or equivalent	No		No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	34,937	51,674	59,271	No	No	No	Some college, no degree	Yes		Yes	Yes
37-2011 37-2012	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	22,968	28,875	30,837	No	No	No	High school diploma or equivalent	No		No	No
	Maids and Housekeeping Cleaners	22,685	28,124	29,930	No	No	No	No formal educational credential	No		No	No
37-2019 37-2021	Building Cleaning Workers, All Other Pest Control Workers	23,846	29,681	32,394	No	No	No	No formal educational credential	Yes		No	No
37-3011	Landscaping and Groundskeeping Workers	31,287 27,040	42,087 32,550	46,808 35,520	No No	No No	No No	High school diploma or equivalent No formal educational credential	Yes Yes		No Yes	No Yes
37-3011	Pesticide Handlers, Sprayers, and Applicators, Vegetation	23,597	35,906	43,127	No	No	No	High school diploma or equivalent	No		No	No
37-3012	Tree Trimmers and Pruners	25,602	39,589	47,051	No	No	No	High school diploma or equivalent	No		No	No.
37-3019	Grounds Maintenance Workers, All Other	28,393	37,877	37.614	No	No	No	No formal educational credential	Yes		Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	29,906	61,238	72,807	No	Yes	Yes	Some college, no degree	No		Yes	Yes
	First-Line Supervisors of Entertainment and Recreation Workers, Except	25,500	31,230	, 2,007	1				1 1			
39-1014	Gambling Services	31,089	55,839	65,663	No	No	Yes	Some college, no degree	Yes		Yes	Yes
39-1022	First-Line Supervisors of Personal Service Workers	29,483	46,733	56,440	No	No	No	Some college, no degree	No		Yes	Yes
39-2011	Animal Trainers	26,393	36,345	38,443	No	No	No	High school diploma or equivalent	No		No	No
39-2021	Animal Caretakers	23,507	30,128	30,613	No	No	No	High school diploma or equivalent	No		No	No
39-3011	Gambling Dealers	20,800	25,116	22,598	No	No	No	High school diploma or equivalent	No		No	No
39-3012	Gambling and Sports Book Writers and Runners	20,909	27,905	30,023	No	No	No	High school diploma or equivalent	No		No	No
39-3019	Gambling Service Workers, All Other	20,295	31,603	36,745	No	No	No	High school diploma or equivalent	No		No	No
39-3021	Motion Picture Projectionists	31,047	37,526	41,956	No	No	No	No formal educational credential	Yes		Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	20,919	25,710	27,681	No	No	No	No formal educational credential	No		No	No
39-3091	Amusement and Recreation Attendants	20,800	26,483	28,402	No	No	No	No formal educational credential	No		No	No
39-3092	Costume Attendants	25,232	40,531	47,166	No	No	No	High school diploma or equivalent	No		No	No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	21,334	26,405	28,211	No	No	No	High school diploma or equivalent	No		No	No
39-3099	Entertainment Attendants and Related Workers, All Other	22,724	28,286	28,335	No	No	No	High school diploma or equivalent	No		No	No
39-4011	Embalmers	31,876	45,556	51,039	No	No	No	Associate's degree	No		No	No
39-4012	Crematory Operators	30,325	38,648	46,190	No	No	No	High school diploma or equivalent	Yes		No	No
39-4021	Funeral Attendants	23,076	29,749	32,950	No	No	No	High school diploma or equivalent	No		No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	33,838	54,162	63,041	No	No	No	Associate's degree	No		No	No
		21.310	32.959	36,384	No	No	No	Postsecondary nondegree award	No		No	No
39-5011	Barbers	,										
39-5011 39-5012	Hairdressers, Hairstylists, and Cosmetologists	22,324	36,013	44,602	No	No	No	Postsecondary nondegree award	No		No	No
39-5011		,	36,013 42,707 33,720	44,602 37,877 36,770	No Yes No	No No No	No No No	Postsecondary nondegree award Postsecondary nondegree award Postsecondary nondegree award	No Yes No		No No No	No No No

Wages - Workforce Re	egion 14		(4) 1 0									
May 2022			ages (\$) by Occupat Average Annual	ion High-Level Wage	Representative	ts or Exceeds All C Average Annu	Occupation Metric ual High-Level Wage				ceeds Education	onal Level Metric High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement			verage Amiluai /age	Threshold
	,					-		·				
39-5093	Shampooers	20,295	23,944	25,837	No	No	No	High school diploma or equivalent	No	N		No
39-5094	Skincare Specialists	23,640	42,419	44,667	No	No	No	Postsecondary nondegree award	No	N		No
39-6011	Baggage Porters and Bellhops	21,187	30,295	33,016	No	No	No	High school diploma or equivalent	No	N	-	No
39-6012	Concierges	25,830	31,870	35,242	No	No	No	High school diploma or equivalent	No	N		No
39-7010 39-9011	Tour and Travel Guides Childcare Workers	21,442	33,474	38,554 30.036	No No	No	No No	High school diploma or equivalent	No No	N		No No
39-9011	Exercise Trainers and Group Fitness Instructors	21,650 21,672	28,229 39,601	48,206	No No	No No	No No	High school diploma or equivalent	No No	N N		No No
39-9032	Recreation Workers	21,672	33,039	48,206 35.270	No	No No	No	Postsecondary nondegree award Bachelor's degree	No No	N N		No No
39-9041	Residential Advisors	24,274	35,822	39,313	No	No	No	Some college, no degree	No	N N		No
39-9099	Personal Care and Service Workers, All Other	20.800	34.436	42.833	No	No	No	High school diploma or equivalent	No	N N		No
41-1011	First-Line Supervisors of Retail Sales Workers	29,104	50,838	56,538	No	No	No	Some college, no degree	No	Y		Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	43,549	93,350	108.450	Yes	Yes	Yes	Some college, no degree	Yes	Y		Yes
41-2011	Cashiers	21,935	26,263	28,088	No	No	No	No formal educational credential	No	N		No
41-2012	Gambling Change Persons and Booth Cashiers	20,714	32,472	33,642	No	No	No	No formal educational credential	No	Y	es	No
41-2021	Counter and Rental Clerks	24,844	36,616	38,995	No	No	No	No formal educational credential	Yes	Y	es	Yes
41-2022	Parts Salespersons	22,439	38,375	44,816	No	No	No	High school diploma or equivalent	No	N	0	No
41-2031	Retail Salespersons	22,547	33,455	34,714	No	No	No	High school diploma or equivalent	No	N		No
41-3011	Advertising Sales Agents	33,425	61,224	63,968	No	Yes	No	Some college, no degree	Yes		es	Yes
41-3021	Insurance Sales Agents	31,644	78,483	83,266	No	Yes	Yes	Postsecondary nondegree award	Yes		es	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	38,468	71,235	78,196	Yes	Yes	Yes	Bachelor's degree	No	N		No
41-3041	Travel Agents Sales Representatives of Convices Except Advertising Insurance Eigensial	21,003	45,126	48,644	No	No	No	Some college, no degree	No	N	U	No
41-2001	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	21 200	64 601	75 072	No.	Vor	Var	Rachelor's degree	No		0	No
41-3091	Services, and Travel Sales Representatives, Wholesale and Manufacturing, Technical and Scientific	31,280	64,681	75,972	No	Yes	Yes	Bachelor's degree	NO	N	U	No
41-4011	Products	41,222	94,218	126,790	Yes	Yes	Yes	Pachalar's dagrae	No	v	es	Yes
7022	Sales Representatives, Wholesale and Manufacturing, Except Technical and	41,222	J4,210	120,750	163	163	163	Bachelor's degree	INU	T		163
41-4012	Scientific Products	33.280	70.497	81.071	No	Yes	Yes	Some college, no degree	Yes	v	es	Yes
41-9011	Demonstrators and Product Promoters	23,396	48,529	64,774	No	No	No	No formal educational credential	No		es	Yes
41-9012	Models	21,446	31,886	34,286	No	No	No	High school diploma or equivalent	No	N		No
41-9021	Real Estate Brokers	38,881	72,571	76,980	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Y		Yes
41-9022	Real Estate Sales Agents	29,994	57,175	63,725	No	No	No	Postsecondary nondegree award	No	Y		Yes
41-9031	Sales Engineers	40,194	113,210	141,294	Yes	Yes	Yes	Bachelor's degree	No	Y	es	Yes
41-9041	Telemarketers	22,577	31,173	31,960	No	No	No	High school diploma or equivalent	No	N	0	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	24,132	33,350	32,776	No	No	No	High school diploma or equivalent	No	N	0	No
41-9099	Sales and Related Workers, All Other	22,733	38,768	40,201	No	No	No	Some college, no degree	No	N	0	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	37,248	62,934	75,966	Yes	Yes	Yes	Some college, no degree	Yes	Y		Yes
43-2011	Switchboard Operators, Including Answering Service	24,540	31,964	35,192	No	No	No	High school diploma or equivalent	No	N	0	No
43-2021	Telephone Operators	25,427	30,549	33,447	No	No	No	High school diploma or equivalent	No	N		No
43-2099	Communications Equipment Operators, All Other	22,666	47,995	56,289	No	No	No	High school diploma or equivalent	No	Y		Yes
43-3011	Bill and Account Collectors	30,890	41,901	45,143	No	No	No	High school diploma or equivalent	Yes	N		No
43-3021 43-3031	Billing and Posting Clerks	33,029	42,781	46,685	No	No	No	High school diploma or equivalent	Yes	N		No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	30,200	44,870	49,789	No	No	No	Some college, no degree	Yes	N		No
43-3041	Gambling Cage Workers	21,651	31,272	37,204	No	No	No	High school diploma or equivalent	No	N		No
43-3051	Payroll and Timekeeping Clerks Procurement Clerks	36,129 31.022	47,776 42.706	55,498 49.650	Yes No	No No	No No	Some college, no degree Associate's degree	Yes No	Y.		Yes No
43-3071	Tellers	35,199	39,993	43,983	Yes	No	No	High school diploma or equivalent	Yes	N N		No
43-3099	Financial Clerks, All Other	34,574	49,988	60.834	No	No	No	Some college, no degree	Yes	Y		Yes
43-4011	Brokerage Clerks	37,195	51,591	56,181	Yes	No	No	Some college, no degree	Yes	Y		Yes
43-4021	Correspondence Clerks	32,628	36,443	39,614	No	No	No	High school diploma or equivalent	Yes	N		No
43-4031	Court, Municipal, and License Clerks	33,201	42,949	48,152	No	No	No	Some college, no degree	Yes	N N		No
43-4041	Credit Authorizers, Checkers, and Clerks	29,231	41,591	52,961	No	No	No	Some college, no degree	No	N		No
43-4051	Customer Service Representatives	28,085	37,866	40,904	No	No	No	High school diploma or equivalent	No	N		No
43-4061	Eligibility Interviewers, Government Programs	27,539	42,213	50,084	No	No	No	High school diploma or equivalent	No	N	0	No
43-4071	File Clerks	26,322	37,526	45,615	No	No	No	High school diploma or equivalent	No	N	0	No
43-4081	Hotel, Motel, and Resort Desk Clerks	23,303	29,203	30,131	No	No	No	High school diploma or equivalent	No	N	0	No
43-4111	Interviewers, Except Eligibility and Loan	25,728	38,063	45,299	No	No	No	High school diploma or equivalent	No	N		No
43-4121	Library Assistants, Clerical	25,013	34,024	38,040	No	No	No	Some college, no degree	No	N		No
43-4131	Loan Interviewers and Clerks	30,549	46,447	58,142	No	No	No	High school diploma or equivalent	Yes	Y		Yes
43-4141	New Accounts Clerks	35,379	42,375	45,897	Yes	No	No	High school diploma or equivalent	Yes	N		No
43-4151	Order Clerks	29,639	39,322	44,391	No	No	No	High school diploma or equivalent	No	N		No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	32,240	42,817	47,780	No	No	No	Associate's degree	No	N		No
43-4171	Receptionists and Information Clerks	24,091	31,750	35,360	No	No	No	High school diploma or equivalent	No	N		No
43-4181 43-4199	Reservation and Transportation Ticket Agents and Travel Clerks Information and Record Clerks, All Other	27,011 29,799	33,057 42,575	36,109 48.445	No No	No No	No No	High school diploma or equivalent	No No	N N		No No
43-4199		29,799 34.611	42,575 49.615	48,445 54.029	No No	No No	No No	High school diploma or equivalent	No Yes			No Yes
43-5011 43-5021	Cargo and Freight Agents Couriers and Messengers	34,611 29,120	49,615 32,941	54,029 34,659	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	Yes No	Y. N	es	Yes No
43-5021	Public Safety Telecommunicators	29,120 38,303	32,941 47,271	48,170	Yes	No No	No No		Yes	Y.		No No
43-5031	Dispatchers, Except Police, Fire, and Ambulance	38,303 27,794	47,271	48,170 45,859	Yes No	No No	No No	High school diploma or equivalent High school diploma or equivalent	Yes No	N N		No No
43-5032	Meter Readers, Utilities	29,614	41,008	45,935	No	No	No	High school diploma or equivalent	No	N N		No
43-5051	Postal Service Clerks	39,770	57.117	68.307	Yes	No	Yes	High school diploma or equivalent	Yes	Y		Yes
43-5052	Postal Service Ciercs Postal Service Mail Carriers	39,354	56,512	71,344	Yes	No	Yes	High school diploma or equivalent	Yes	Y		Yes
43-5052	Postal Service Mail Sorters, Processors, and Processing Machine Operators	29.453	45.130	69.618	No	No	Yes	High school diploma or equivalent	No	N N		Yes
43-5061	Production, Planning, and Expediting Clerks	31,945	54,265	65,741	No	No	Yes	Some college, no degree	Yes		es	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	28.035	37,429	41,321	No	No	No	High school diploma or equivalent	No	N		No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	29,081	37,422	40,228	No	No	No	High school diploma or equivalent	No	N N		No
43-6011	Executive Secretaries and Executive Administrative Assistants	38,030	59,848	69,820	Yes	Yes	Yes	Some college, no degree	Yes	Y		Yes
43-6012	Legal Secretaries and Administrative Assistants	31,841	48,203	61,663	No	No	No	Some college, no degree	Yes	Y		Yes
43-6013	Medical Secretaries and Administrative Assistants	29,968	37,767	41,224	No	No	No	Some college, no degree	No	N	0	No
					-							

Company Comp	/ages - Workforce Re	egion 14	A	/ (¢) b 0			14/ 544-					14/ 84	F d- Ed	
Description Computation	1ay 2022										l H		Average Annual	
1985 1985	Occupational Code	Occupational Title								Educational Requirement				Threshold
1985 1985								T.		,			•	
Second S				,	,	No								No
2005		, ,	-, -	. ,	,									No No
Section Control of				,										No
March Marc			,		. , .					-				No
1985 September September	43-9051													No
Second Continue		Office Clerks, General	26,241	40,370	46,966	No		No	No		1	No	No	No
Section Sect														No
Section Communication Co														No
Septical Septical Septical profession of professing strong professing strong professing strong profession of p			/	,	/									No No
Second S														Yes
Septemble Sept	45-2011													No
Second Agricultural Engineerin Connection 1,500	45-2021	Animal Breeders												
6-2002 Fall market and autoburn, Coop flavorry, and controversion 1,000														No
Manual Confessor Manual Conf														Yes
6.200 Aplication Windows Al Ordinary of Control of														No
6-500 Follow professional processors 1,105 1,105 1,105 1,05														Yes Yes
6-6-01 Foreign of montained work part 1-6-05 1-6-														Yes
Select Felor Select Se	45-4011													No
Section 1962 Conference of Conference 1963 1964						Yes				High school diploma or equivalent	١	Yes		No
Segrey (Noting, All Other May 10														No
Procedure Proc		.0												No
Section Sect				-,	-,-									No Yes
2-2021 Stormanoss of Blochmonos of Blochmonos of Blochmonos of Substance 12,835 41,979 43,960 76 16 16 16 16 16 16 16														Yes
2-2022 Somemans					,									No
6-2012 Carpet treatlatien 20-2075 3.1,144 5.355 No No No No Formal aducational credentical No Vision Vis	47-2022	Stonemasons	29,261	48,189	56,807			No	No			No	Yes	Yes
2-20-22 Poor Layers, Except Carpert, Wood, and leaf Tiles \$2,555 4,851 4,926 Yes No No No No No Formal educational cerebration Yes Y								No	No	Postsecondary nondegree award	١.	Yes	Yes	Yes
62-2043 Four Surfering and Finalments 28,777 45,728 32,200 No			,	,	,									Yes
2-20-24 Till and Store Steres			,	,	.,									Yes
2-2023 Cement Museus and Courvet Frinches 39,200 42,108 47,126 No				,										Yes Yes
2-7-253 Terrazs Workers and Finisher 34.277 50.678 50.678 50.679 No				-,-	,									Yes
2-2017 Paving, Surfacen, and Tamping Equipment Operators 29,935 39,428 43,722 No No No No High-school diploma or equivalent Yes No No No 14 Migh-school diploma or equivalent Yes No No No 14 Migh-school diploma or equivalent Yes No No No No 15 Migh-school diploma or equivalent Yes No No No No 16 Migh-school diploma or equivalent Yes No	47-2053		34,277		56,377	No		No	No					Yes
67-2072 Pile Diver Operators 33,789 47,185 48,500 No No No High school diploma or equivalent Yes Yes Yes 47-2073 Operating Engineers and Other Construction Equipment Operators 23,843 38,070 47,0272 No No No No High school diploma or equivalent Yes No Yes 47-2074 No No No No No High school diploma or equivalent Yes No Yes No No No No No High school diploma or equivalent Yes No Yes No		Construction Laborers	26,602	39,310	44,835	No		No	No	No formal educational credential	١	Yes	Yes	Yes
2-7203 Operating fignineers and Other Construction Equipment Operators 32,824 44,927 No No No High school diploma or equipment Yes No No No No No No No No No No No No No No No No No No No No			-,	, .	-,									No
2-2-2-8 Dywall and celling file Installers 21,963 88,070 47,027 No No No No No No Formal educational credential Ye Ves Ve		·												No
47-2013 Electricians 27-905 40,575 45,566 No														No Yes
## A7-2121 Electricians														Yes
47-2131 Glaziers 28,933 41,732 45,971 No No No No High school diploma or equivalent Yes No No No No No High school diploma or equivalent Yes No		1												Yes
47-2131 Insulation Workers, Recon, Ceiling, and Wall 30,223 43,521 49,227 No No No High Schood diploma or equivalent Yes No No No High Schood diploma or equivalent Yes No No No No High Schood diploma or equivalent Yes No No No No No No No No No No No No No No	47-2121	Glaziers	28,953		45,971	No		No	No			No	No	No
A7-2141		Insulation Workers, Floor, Ceiling, and Wall	30,323	43,521	49,227	No		No	No	High school diploma or equivalent	١.	Yes	No	No
17-2142 Paperhangers		·												No
47-2151 Pipeliyers Pipeliyers S8,846 42,847 47,101 Ves No No No No formal educational credential Ves Ves No No Pipeliters, and Steamfitters S8,053 47,756 54,680 Ves No No No Pipeliters, and Steamfitters Ves Ves No No Pipeliters, and Steamfitters Ves Ves No No Pipeliters, and Steamfitters Ves Ves No No Pipeliters, and Steamfitters Ves Ves No No No No Pipeliters, and Steamfitters Ves Ves No No No No Pipeliters, and Steamfitters Ves Ves No No No No Pipeliters, and Steamfitters Ves Ves No No No No Pipeliters, and Steamfitters Ves No No No No No Pipeliters, and Steamfitters Ves No No No No No Pipeliters, and Steamfitters Ves No No No No No Pipeliters, and Steamfitters Ves No No No No No Pipeliters, and Steamfitters Ves No No No No No Pipeliters, and Steamfitters Ves No No No No No No Pipeliters, and Steamfitters Ves No No No No No No Pipeliters, and Steamfitters Ves No No No No No No No No No Pipeliters, and Steamfitters Ves No			,	.,	-, -									Yes
A-7-2152 Plumbers, Piperfitters, and Steamfitters 36,053 47,756 54,080 Plasterers and Stucco Masons 56,051 47,251 A79,24 No.														Yes
47-2151 Plasterers and Stucco Masons 26,184 42,537 47,974 No No No No No No Formal educational credential Yes Yes 47-2171 Reinforcing from and Rehar Workers 27,951 42,311 48,145 No No No No High school diplom or requivalent Yes Yes 47-2211 Sheet Metal Workers 33,246 42,514 49,596 No No No No High school diploma or equivalent Yes No No No No No High school diploma or equivalent Yes No														Yes Yes
47-2111 Reinforcing fron and Rebar Workers 34,394 45,790 53,752 No														Yes
47-2211 Sheet Metal Workers	47-2171	Reinforcing Iron and Rebar Workers	34,394	45,790	53,752									Yes
47-221 Structural Iron and Steel Workers 33,246 42,534 49,586 No No No No High school diploma or equivalent Yes No 47-3011 Helpers-Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters 20,295 33,486 37,233 No		****								No formal educational credential				Yes
47-2311 Solar Photovoltaic Installers 34,667 42,414 45,673 47.3011 Helpers-Eirchrasons, Blockmasons, and Tile and Marble Setters 20,255 33,486 37,233 No			. ,	-,										Yes
47-3011 Helpers-Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters 20,295 33,486 37,233 No			, .	,	.,									No
47-3012 Helpers-Carpenters 26,227 33,740 37,243 No														No Yes
47-3013 Helpers—Electricians 26,560 33,052 35,493 No														Yes
47-3015 HelpersPainters, Paperhangers, Plastrerers, and Stucco Masons 26,012 30,686 32,130 No						No								No
47-3016 Helpers-Roofers 29,154 35,369 37,594 No No No No No No No No No Formal educational credential Yes Yes Yes 47-3019 Helpers, Construction Tades, All Other 28,777 37,138 40,407 No	47-3014							No		No formal educational credential	,	Yes	No	No
47-3019 Helpers, Construction Trades, All Other 28,777 37,138 40,407 No														No
47-4011 Construction and Building Inspectors 37,294 59,275 66,923 Yes Yes Yes Yes Postsecondary nondegree award Yes														Yes
47-2021 Elevator and Escalator Installers and Repairers 47-244 82,915 102,000 Ves Yes Yes Yes Yes Yes 47-4031 Fence Erections 28,403 39,126 45,400 No No No No No No No High school diploma or equivalent No			,	,	,									Yes
47-4031 Fence Erectors 47-4041 Hazardous Materials Removal Workers 47-4041 Hazardous Materials Removal Workers 47-4041 Hazardous Materials Removal Workers 47-4051 Highway Maintenance Workers 426,300 38,823 45,822 No No No No High school diploma or equivalent No No No No High school diploma or equivalent No No No No No High school diploma or equivalent No No No No No High school diploma or equivalent No No No No No High school diploma or equivalent No No No No No No High school diploma or equivalent No No No No No No High school diploma or equivalent No Yes Yes No No No No No High school diploma or equivalent No Yes No No No No No No High school diploma or equivalent No Yes No No No No No No No High school diploma or equivalent No Yes No			. , .	, .	,									Yes Yes
47-4041 Hazardous Materials Removal Workers 29,759 39,419 45,156 No No No No High school diploma or equivalent No														Yes
47-4051 Highway Maintenance Workers 26,300 38,823 45,822 No No No High school diploma or equivalent No No 47-4071 Septic Tank Servicers and Sewer Pipe Cleaners 29,827 46,502 54,171 No No No No Yes Yes No No No Yes Yes No No No No Yes No No No Yes No No No Yes No No No Yes No No No No Yes No No No Yes No No No No Yes No No No No Yes No No <td< td=""><td>47-4041</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>No</td></td<>	47-4041													No
47-4071 Septic Tank Servicers and Sewer Pipe Cleaners 29,827 46,502 54,171 No No No High school diploma or equivalent No Yes 47-4090 Miscellaneous Construction and Related Workers 31,766 40,882 43,868 No No No High school diploma or equivalent Yes No 47-5012 Rotary Drill Operators, Oil and Gas 39,946 52,679 55,050 Yes No No No formal educational credential Yes Yes 47-5012 Service Unit Operators, Oil and Gas 36,423 52,881 60,923 Yes No No No formal educational credential Yes Yes 47-5022 Exvasting and Loading Machine and Dragline Operators, Surface Mining 32,325 44,707 50,766 No No No High school diploma or equivalent Yes No 47-5023 Earth Drillers, Except Oil and Gas 32,075 49,747 47,899 No No No High school diploma or equivalent Yes Yes Yes Expositives Workers,		Highway Maintenance Workers		38,823	45,822									No
47-4090 Miscellaneous Construction and Related Workers 31,766 40,882 43,868 No No No High school diploma or equivalent Yes No														Yes
47-5011 Derrick Operators, Oil and Gas 39,46 52,679 55,050 Yes No No No formal educational credential Yes Yes 47-5012 Rotary Drill Operators, Oil and Gas 39,46 52,679 55,050 Yes No No No formal educational credential Yes Yes 47-5013 Sevice Unit Operators, Oil and Gas 36,423 52,981 60,923 Yes No No No formal educational credential Yes Yes Yes 47-5022 Excavating and Loading Machine and Oragline Operators, Surface Mining 32,275 49,747 47,859 No No No High school diploma or equivalent Yes No 47-5032 Explosives Workers, Ordnance Handling Experts, and Blasters 51,869 69,149 79,696 Yes Yes Yes High school diploma or equivalent Yes Yes														Yes
47-5012 Rotary Drill Operators, Oil and Gas 39,946 52,679 55,050 Yes No No No formal educational credential Yes Yes 47-5013 Service Unit Operators, Oil and Gas 36,423 52,981 60,923 Yes No No No formal educational credential Yes Yes 47-5022 Exeavating and Loading Machine and Dragline Operators, Surface Mining 32,325 44,707 50,766 No No No High school diploma or equivalent Yes No 47-5022 Explosives Workers, Ordnance Handling Experts, and Blasters 32,075 49,747 47,859 No No No High school diploma or equivalent Yes Yes 47-5032 Explosives Workers, Ordnance Handling Experts, and Blasters 51,869 69,149 79,696 Yes Yes Yes High school diploma or equivalent Yes Yes			31,766	40,882	43,868	No		INO	NO	riigh school dipioma or equivalent	Н'	res	NO	No
47-5013 Service Unit Operators, Oil and Gas 36,423 52,981 60,923 Yes No No No formal educational credential Yes Yes 47-5022 Excavating and Loading Machine and Dragline Operators, Surface Mining 32,325 44,707 50,766 No No No High school diploma or equivalent Yes No 47-5023 Earth Drillers, Except Oil and Gas 32,075 49,747 47,859 No No No High school diploma or equivalent Yes Yes 47-5032 Explosives Workers, Ordnance Handling Experts, and Blasters 51,869 69,149 79,695 Yes Yes Yes High school diploma or equivalent Yes Yes			39.946	52.679	55.050	Yes		No	No	No formal educational credential	— •	Yes	Yes	Yes
47-5022 Excavating and Loading Machine and Dragline Operators, Surface Mining 32,325 44,707 50,766 No No No High school diploma or equivalent Yes No 47-5023 Earth Drillers, Except Oil and Gas 32,075 49,747 47,859 No No No High school diploma or equivalent Yes Yes 47-5032 Explosives Workers, Ordinance Handling Experts, and Blasters 51,869 69,149 79,696 Yes Yes Yes High school diploma or equivalent Yes Yes														Yes
47-5032 Explosives Workers, Ordnance Handling Experts, and Blasters 51,869 69,149 79,696 Yes Yes Yes High school diploma or equivalent Yes Yes														No
														No
47-5041 Continuous Mining Machine Operators 26,793 39,272 43,448 No No No No No formal educational credential Yes Yes														Yes
	47-5041	Continuous Mining Machine Operators	26,793	39,272	43,448	No		No	No	No formal educational credential	Ш,	Yes	Yes	Yes

Nages - Workforce Re Nay 2022	egion 14	Annual W	/ages (\$) by Occupat	tion	Wage Mee	ts or Exceeds All C	Occupation Metric		1 1	Wage Meets	or Exceeds Educati	onal Level Metric
•			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annual	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
47-5043	Roof Bolters, Mining								1			
47-5044 47-5049	Loading and Moving Machine Operators, Underground Mining	34,979	39,604	43,917	No	No	No	No formal educational credential		Yes	Yes	Yes
47-5049 47-5051	Underground Mining Machine Operators, All Other Rock Splitters, Quarry	34,979 36,004	39,604 65,314	43,917 87,121	No Yes	No Yes	No Yes	No formal educational credential No formal educational credential	-	Yes Yes	Yes	Yes Yes
47-5051	Roustabouts, Oil and Gas	33,379	48,268	59,655	No No	No	No No	No formal educational credential	-	Yes	Yes	Yes
47-5071	HelpersExtraction Workers	28.676	34.267	37,594	No	No	No	High school diploma or equivalent		No.	No	No
47-5099	Extraction Workers, All Other	27,125	43,741	42,756	No	No	No	High school diploma or equivalent		No	No	No
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	39.889	65,340	77,492	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	25,960	40,768	46,329	No	No	No	Postsecondary nondegree award		No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	41,683	63,201	77,036	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	31,058	54,346	61,803	No	No	No	Postsecondary nondegree award		No	Yes	Yes
49-2091	Avionics Technicians	31,907	51,739	58,769	No	No	No	Associate's degree		No	No	No
49-2092	Electric Motor, Power Tool, and Related Repairers	30,042	44,522	49,771	No	No	No	High school diploma or equivalent		No	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	47,612	59,072	59,233	Yes	Yes	No	Postsecondary nondegree award		Yes	Yes	Yes
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	39,292	52,615	64,046	Yes	No	No	Postsecondary nondegree award		Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	44,886	78,624	98,231	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	37,526	48,930	61,700	Yes	No	No	Postsecondary nondegree award		Yes	Yes	Yes
49-2097	Audiovisual Equipment Installers and Repairers	37,282	45,975	49,332	Yes	No	No	Postsecondary nondegree award		Yes	Yes	No
49-2098 49-3011	Security and Fire Alarm Systems Installers Aircraft Mechanics and Service Technicians	31,198 38,757	45,227 64,741	53,091 75,308	No	No	No	Postsecondary nondegree award		No	Yes	Yes
49-3021	Automotive Body and Related Repairers	30,508	49,295	75,308 48,618	Yes No	Yes No	Yes No	Associate's degree		No No	Yes	Yes No
49-3022	Automotive Body and Related Repairers Automotive Glass Installers and Repairers	30,508	49,295	48,618 53.479	No	No	No	Postsecondary nondegree award High school diploma or equivalent		Yes	No.	Yes
49-3022	Automotive Glass installers and Repairers Automotive Service Technicians and Mechanics	29.084	45,146	59,455	No No	No	No	Postsecondary nondegree award		No No	Yes	Yes
49-3023	Bus and Truck Mechanics and Diesel Engine Specialists	29,084 37.336	53.674	59,455 60.866	Yes	No No	No No	Postsecondary nondegree award Postsecondary nondegree award		Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Dieser Engine Specialists	30,179	46,454	48.317	No.	No	No	High school diploma or equivalent		No	Yes	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	36.189	53,936	62.385	Yes	No	No	Postsecondary nondegree award		Yes	Yes	Yes
49-3043	Rail Car Repairers	36,540	52,464	58,338	Yes	No	No	High school diploma or equivalent		Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	31,573	49,633	59.872	No	No	No	Postsecondary nondegree award		Yes	Yes	Yes
49-3052	Motorcycle Mechanics	30,160	47,561	57,955	No	No	No	High school diploma or equivalent		No	Yes	Yes
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	25,782	37,056	43,095	No	No	No	High school diploma or equivalent		No	No	No
49-3091	Bicycle Repairers	25,620	35,941	40,579	No	No	No	High school diploma or equivalent		No	No	No
49-3092	Recreational Vehicle Service Technicians	23,654	45,252	47,405	No	No	No	High school diploma or equivalent		No	No	No
49-3093	Tire Repairers and Changers	24,459	33,454	36,536	No	No	No	High school diploma or equivalent		No	No	No
49-9011	Mechanical Door Repairers	30,442	44,922	53,040	No	No	No	High school diploma or equivalent		Yes	No	Yes
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	35,104	52,814	60,025	Yes	No	No	Postsecondary nondegree award		Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	36,614	49,174	57,324	Yes	No	No	Postsecondary nondegree award		Yes	Yes	Yes
49-9031	Home Appliance Repairers	20,800	38,270	48,797	No	No	No	Postsecondary nondegree award		No	No	No
49-9041	Industrial Machinery Mechanics	36,476	55,056	65,165	Yes	No	Yes	Postsecondary nondegree award		Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	34,725	46,276	51,201	No	No	No	High school diploma or equivalent		Yes	Yes	No
49-9044	Millwrights	39,838	54,591	64,446	Yes	No	No	Postsecondary nondegree award		Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	25,525	33,828	37,194	No	No	No	High school diploma or equivalent		No	No	No
49-9051	Electrical Power-Line Installers and Repairers	37,648	75,635	98,991	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
49-9052 49-9061	Telecommunications Line Installers and Repairers	36,097	48,933	60,230	Yes	No	No	Postsecondary nondegree award		Yes	Yes	Yes
49-9062	Camera and Photographic Equipment Repairers Medical Equipment Repairers	49,827 30,689	57,896 45,977	59,672 49,436	Yes No	Yes	No No	Associate's degree		Yes	No	No
49-9062	Musical Instrument Repairers and Tuners	27,837	45,977	49,436 50,278	No No	No No	No No	Associate's degree		No No	No No	No No
49-9063	Watch and Clock Repairers	24,168	28.754	28.052	No No	No	No	High school diploma or equivalent		No	No	No No
49-9069	Precision Instrument and Equipment Repairers, All Other	39,585	56,308	64,436	Yes	No	No	High school diploma or equivalent High school diploma or equivalent		Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	28,667	40,279	45,963	No.	No	No	High school diploma or equivalent		No	No	No
49-9081	Wind Turbine Service Technicians	47,127	66,465	77,052	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	23,767	36,780	44,376	No	No	No	High school diploma or equivalent		No	No	No
49-9092	Commercial Divers	38,589	51,976	55,674	Yes	No	No	Postsecondary nondegree award		Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	31,005	42,856	46,607	No	No	No	High school diploma or equivalent		Yes	No	No
49-9095	Manufactured Building and Mobile Home Installers	21,329	30,159	38,160	No	No	No	High school diploma or equivalent		No	No	No
49-9096	Riggers	36,966	53,004	60,051	Yes	No	No	High school diploma or equivalent	1 1	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	46,122	61,801	69,783	Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
49-9098	HelpersInstallation, Maintenance, and Repair Workers	28,088	33,664	37,159	No	No	No	High school diploma or equivalent		No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	29,617	39,526	45,357	No	No	No	High school diploma or equivalent		No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	38,633	65,552	78,984	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	32,267	45,927	54,493	No	No	No	Postsecondary nondegree award		Yes	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	31,988	37,898	43,099	No	No	No	High school diploma or equivalent		Yes	No	No
	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders,											
51-2028	Tapers, and Finishers	26,877	35,462	37,408	No	No	No	High school diploma or equivalent		No	No	No
51-2031	Engine and Other Machine Assemblers	32,463	47,849	49,689	No	No	No	High school diploma or equivalent		Yes	Yes	No
51-2041	Structural Metal Fabricators and Fitters	34,285	46,852	54,145	No	No	No	High school diploma or equivalent		Yes	Yes	Yes
51-2051	Fiberglass Laminators and Fabricators	32,412	38,314	39,258	No	No	No	High school diploma or equivalent		Yes	No	No
51-2061	Timing Device Assemblers and Adjusters	24,383	33,272	37,975	No	No	No	High school diploma or equivalent		No	No	No
51-2090	Miscellaneous Assemblers and Fabricators	25,641	36,445	40,404	No	No	No	High school diploma or equivalent		No	No	No
51-3011	Bakers Butchers and Most Cutters	24,690	32,945	36,834	No	No	No No	High school diploma or equivalent		No	No	No V
51-3021	Butchers and Meat Cutters	28,632	42,427	54,995	No	No	No	No formal educational credential		Yes	Yes	Yes
51-3022 51-3023	Meat, Poultry, and Fish Cutters and Trimmers	25,428 25,973	36,363 27.310	39,585 28.344	No No	No No	No No	No formal educational credential No formal educational credential		Yes Yes	Yes No	Yes No
51-3023 51-3091	Slaughterers and Meat Packers Food and Tobacco Roasting, Raking, and Doving Machine Operators and Tonders	25,973	27,310 36.150	28,344 35.496	No No	No No	No No		1 -	Yes Yes		No Yes
51-3091 51-3092	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders Food Batchmakers	24,285	,	35,496 40.700				No formal educational credential	1 1		Yes	
51-3092	Food Cooking Machine Operators and Tenders	23,800	35,935 32,617	40,700 35.415	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent		No No	No No	No No
51-3099	Food Processing Workers, All Other	29,436	31,293	35,415 34,622	No No	No No	No No	No formal educational credential		Yes	No No	Yes
	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and	20,371	31,233	34,022	140	.10	NO	110 10 mai educational credential	1 - 1			. 63
51-4021	Plastic	33.848	42,560	45,056	No	No	No	High school diploma or equivalent	1 1	Yes	No	No
011		33,040	42,300	45,050	1			on sensor aspiona or equivalent				

Vlay 2022	egion 14	Annual W	ages (\$) by Occupat	ion	Wage Med	ets or Exceeds All O	ccupation Metric		Wage Mee	ts or Exceeds Educa	tional Level Metric
nay 2022			Average Annual	High-Level Wage	Representative	Average Annua			Representative	Average Annu	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	29,613	39,116	44,678	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	34,177	43,645	46,424	No	No	No	High school diploma or equivalent	Yes	No	No
F4 4004	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and	20.252	20.055	****							
51-4031	Plastic	30,262	38,955	44,042	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20.427	54.013	04 570	N-	N-	V	High sales I dialogue as assistated	N-	V	V
51-4032	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and	29,427	54,913	81,579	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-4033	Tenders, Metal and Plastic	28,938	38,826	49,060	No	No	No	High school diploma or equivalent	No	No	No
31 4033	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and	20,530	30,020	43,000	140	140	140	riigii scriooi dipiona oi equivalent	140	140	140
51-4034	Plastic	27,942	39,335	48,378	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	27.562	38.351	38,268	No	No	No	Postsecondary nondegree award	No	No	No
51-4041	Machinists	35,361	47,180	52,162	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	38,209	48,717	49,625	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-4052	Pourers and Casters, Metal	29,125	45,536	55,225	No	No	No	High school diploma or equivalent	No	No	Yes
51-4061	Model Makers, Metal and Plastic	47,682	54,429	60,601	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	26,354	49,303	76,183	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-4071	Foundry Mold and Coremakers	22,715	39,233	53,645	No	No	No	High school diploma or equivalent	No	No	Yes
	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders,										
51-4072	Metal and Plastic	25,075	37,521	40,560	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	32,028	37,010	37,480	No	No	No	High school diploma or equivalent	Yes	No	No
51-4111	Tool and Die Makers	41,286	56,922	64,851	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	33,305	44,452	49,557	No	No	No	Postsecondary nondegree award	Yes	No	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	25,766	33,523	37,938	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	24,290	32,889	33,280	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	33,135	46,619	51,371	No	No	No	High school diploma or equivalent	Yes	Yes	No
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	30,425	39,074	44,870	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	27,501	33,990	38,895	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	28,556	39,779	46,868	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	31,690	44,362	49,399	No	No	No	Postsecondary nondegree award	Yes	No	No
51-5112	Printing Press Operators	30,112	38,736	41,600	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	30,471	38,881	44,901	No	No	No	High school diploma or equivalent	Yes	No	No
51-6011	Laundry and Dry-Cleaning Workers	22,400	27,639	29,669	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	23,261	27,944	28,783	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	22,929	31,091	34,728	No	No	No	No formal educational credential	No	No	Yes
51-6041	Shoe and Leather Workers and Repairers	22,988	32,179	36,326	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	26,412	38,160	45,146	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	21,514	29,076	29,642	No	No	No	No formal educational credential	No	No	No
51-6052	Tailors, Dressmakers, and Custom Sewers	31,200	33,715	35,482	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061 51-6062	Textile Bleaching and Dyeing Machine Operators and Tenders	22,519	26,969 29.629	27,564	No No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Cutting Machine Setters, Operators, and Tenders Textile Knitting and Washing Machine Setters, Operators, and Tenders	23,970 26,930	30,969	29,251 33,721	No	No No	No No	High school diploma or equivalent	No No	No No	No No
31-0003	Textile Knitting and Weaving Machine Setters, Operators, and Tenders Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and	20,530	30,505	33,721	NO	IVU	IVO	High school diploma or equivalent	INU	INU	NU
51-6064	Tenders	22,705	32,774	37,253	No	No	No	High school diploma or equivalent	No	No	No
31 000+	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and	22,703	32,774	37,233	NO	140	140	High school diploma or equivalent	IVO	140	140
51-6091	Glass Fibers	32,969	57,440	81.696	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	26,354	49,303	76,183	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6093	Upholsterers	26,523	33,788	39,301	No.	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	26.695	33,340	37,184	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	30.077	42,512	47.870	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	37,444	48,560	59,816	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-7031	Model Makers, Wood	,	,	,			·	,	1 1		
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	26,019	33,653	37,835	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	25,437	33,594	37,604	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	26,871	31,818	32,159	No	No	No	High school diploma or equivalent	No	No	No
51-8011	Nuclear Power Reactor Operators	47,371	74,739	94,624	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	54,452	88,839	101,257	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	47,371	74,739	94,624	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	51,406	64,304	68,493	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	36,988	51,687	61,057	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	40,824	60,475	65,470	Yes	Yes	Yes	Associate's degree	No	Yes	No
51-8092	Gas Plant Operators	36,770	49,648	53,932	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	45,923	60,870	82,793	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	43,847	61,712	75,989	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	30,987	41,129	49,344	No	No	No	High school diploma or equivalent	Yes	No	No
	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,										
51-9012	Operators, and Tenders	26,179	43,577	55,089	No	No	No	High school diploma or equivalent	No	No	Yes
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	24,686	36,761	41,213	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	27,895	32,839	36,382	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	27,186	39,224	43,637	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	21,417	34,794	39,087	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	27,502	35,232	38,103	No	No	No	High school diploma or equivalent	No	No	No
	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and										
51-9041	Tenders	38,425	43,699	45,778	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	29,925	38,326	43,019	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	29,187	43,135	47,077	No	No	No	Postsecondary nondegree award	No	No	No
51-9071	Jewelers and Precious Stone and Metal Workers	34.435	51.863	58.517	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9071											

Wages - Workforce Re May 2022	egion 14	Annual W	/ages (\$) by Occupat	ion	Wage Mee	ets or Exceeds All O	Occupation Metric	1	Wage Meet	s or Exceeds Educa	tional Level Metric
moy LoLL			Average Annual	High-Level Wage	Representative	Average Annu			Representative	Average Annu	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
						-					
51-9082	Medical Appliance Technicians	27,672	38,733	49,888	No	No	No	Postsecondary nondegree award	No	No	No
51-9083	Ophthalmic Laboratory Technicians	28,293	33,396	35,250	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	25,601	35,766	40,852	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	23,563	35,288	42,422	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	31,030	40,824	44,520	No	No	No	High school diploma or equivalent	Yes	No	No
51-9141	Semiconductor Processing Technicians	37,155	46,756	49,586	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-9151	Photographic Process Workers and Processing Machine Operators	23,380	34,649	36,993	No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	30,461	42,397	47,463	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	43,364	62,440	71,236	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	26,974	33,570	37,114	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	22,742	27,939	27,706	No	No	No	High school diploma or equivalent	No	No	No
51-9193 51-9194	Cooling and Freezing Equipment Operators and Tenders	26,939	44,648	47,556 36.123	No No	No	No	High school diploma or equivalent	No	No	No
	Etchers and Engravers	31,200	35,576		1.00	No	No	High school diploma or equivalent	Yes	No	No
51-9195 51-9196	Molders, Shapers, and Casters, Except Metal and Plastic Paper Goods Machine Setters, Operators, and Tenders	28,640 29,900	41,368 38,706	47,493 46,844	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No.	No No	No No
51-9190	Tire Builders	29,900	36,667	39,624	No	No.	No No	High school diploma or equivalent	No No	No	No No
51-9197	HelpersProduction Workers	28,335	31,263	35,866	No	No No	No No	0	No No	No	No No
51-9199	Production Workers, All Other	21,699	31,203	35,866	No No	No.	No No	High school diploma or equivalent High school diploma or equivalent	No No	No No	No No
53-1041	Aircraft Cargo Handling Supervisors	29,389 38.261	49,897	49,770	Yes	No No	No	0	Yes	Yes	No No
33-1041	First-Line Supervisors of Transportation and Material Moving Workers, Except	30,201	45,057	45,770	res	INU	NO	High school diploma or equivalent	res	res	INU
53-1047	Aircraft Cargo Handling Supervisors	35,734	56,286	66,585	Yes	No	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	131,805	330,264	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	54,560	110,742	142.761	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	78,018	123,291	153,430	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	78,018	123,291	153,430	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	62,588	82,704	84,437	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	25,125	29,915	31,759	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	20,800	32,878	40,521	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	32,841	47,237	51,268	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	26,897	39,917	42,915	No	No	No	High school diploma or equivalent	No	No	No
53-3051	Bus Drivers, School	35,091	35,568	35,091	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-3052	Bus Drivers, Transit and Intercity	31,853	45,758	54,872	No	No	No	High school diploma or equivalent	Yes	No	Yes
53-3053	Shuttle Drivers and Chauffeurs	22,855	31,082	31,853	No	No	No	High school diploma or equivalent	No	No	No
53-3054	Taxi Drivers	20,363	30,920	31,164	No	No	No	No formal educational credential	No	No	No
53-3099	Motor Vehicle Operators, All Other	23,034	32,244	34,419	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	55,215	67,070	72,456	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	31,418	52,669	50,737	No	No	No	High school diploma or equivalent	Yes	Yes	No
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	38,180	57,733	60,387	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	61,831	69,793	72,505	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	28,510	40,746	51,176	No	No	No	High school diploma or equivalent	No	No	No
53-4099	Rail Transportation Workers, All Other	40,258	40,931	40,268	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-5011	Sailors and Marine Oilers	27,899	38,521	38,884	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	29,420	59,553	75,758	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	25,495	39,250	41,701	No	No	No	Postsecondary nondegree award	No	No	No
53-5031	Ship Engineers	70,807	95,903	106,733	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	23,495	31,262	35,496	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	20,893	25,557	28,133	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	24,866	32,891	36,630	No	No	No	No formal educational credential	Yes	Yes	Yes
53-6032 53-6041	Aircraft Service Attendants Traffic Technicians	25,653	33,132	36,298	No	No	No	High school diploma or equivalent	No	No	No
53-6051		32,267	51,014	61,470	No	No	No	Associate's degree	No	No	No
	Transportation Inspectors	39,224	83,433	105,260	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061 53-6099	Passenger Attendants	22,004 20.295	34,192	39,201	No	No No	No No	High school diploma or equivalent	No	No No	No No
53-7011	Transportation Workers, All Other Conveyor Operators and Tenders	28,822	29,993 33,789	31,779 34,940	No No	No	No	High school diploma or equivalent No formal educational credential	No Yes	Yes	Yes
53-7011	Crane and Tower Operators	41,016	67,917	81,024	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7021	Dredge Operators	34,843	46,180	48,093	No	No	No No	High school diploma or equivalent	Yes	Yes	No
53-7031	Hoist and Winch Operators	31,476	49,322	50,542	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	29.951	38.525	41,995	No.	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	22,255	31.666	35.824	No	No	No.	No formal educational credential	No.	Yes	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	24,827	33,046	36,125	No.	No	No	No formal educational credential	Yes	Yes	Yes
53-7062	Machine Feeders and Offbearers	27,560	35,117	35,924	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7064	Packers and Packagers, Hand	23,537	27,065	28,872	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	24,401	31,679	34.583	No.	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	29,954	35,731	33.194	No	No	No	High school diploma or equivalent	No.	No	No.
53-7072	Pump Operators, Except Wellhead Pumpers	33.808	39,768	38,238	No	No	No	High school diploma or equivalent	Yes	No	No
53-7073	Wellhead Pumpers	29,954	35,731	33,194	No	No	No	High school diploma or equivalent	No	No	No
				,							
53-7075	Refuse and Recyclable Material Collectors	28.403	44.250	54.566	No	No	No	No formal educational credential	Yes	Yes	Yes
	Refuse and Recyclable Material Collectors Tank Car, Truck, and Ship Loaders	28,403 42.307	44,250 58,962	54,566 59,870	No Yes	No Yes	No No	No formal educational credential No formal educational credential	Yes Yes	Yes Yes	Yes Yes

^{*} indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

Summary - Workforce Region 14

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	35,005	57,399	65,042	825
No formal educational credential	23,571	31,643	34,330	83
High school diploma or equivalent	30,281	46,108	52,455	235
Some college, no degree	30,111	45,810	53,047	49
Postsecondary nondegree award	31,448	44,529	50,148	90
Associate's degree	42,090	58,846	66,302	68
Bachelor's degree	48,844	92,019	106,621	184
Master's degree	53,126	80,815	93,606	43
Doctoral or professional degree	70,258	152,040	158,534	73

	Representative	Starting Wage	Average Ar	nual Wage	High-Level Wa	age Threshold
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric
All Occupations	492	333	494	331	492	333
No formal educational credential	37.35%	62.65%	32.53%	67.47%	30.12%	69.88%
High school diploma or equivalent	65.96%	34.04%	79.15%	20.85%	80.85%	19.15%
Some college, no degree	46.94%	53.06%	38.78%	61.22%	40.82%	59.18%
Postsecondary nondegree award	40.00%	60.00%	30.00%	70.00%	35.56%	64.44%
Associate's degree	64.71%	35.29%	51.47%	48.53%	51.47%	48.53%
Bachelor's degree	61.41%	38.59%	69.02%	30.98%	68.48%	31.52%
Master's degree	74.42%	25.58%	58.14%	41.86%	44.19%	55.81%
Doctoral or professional degree	79.45%	20.55%	65.75%	34.25%	61.64%	38.36%

May 2022 Occupational Code 11-1011 11-1021 11-1031 11-2011 11-2021 11-2022 11-2032 11-2032 11-3012 11-3013	Occupational Title Chief Executives General and Operations Managers		/ages (\$) by Occupat Average Annual Wage (\$)	High-Level Wage	Representative	Average Annu				Representative	or Exceeds Education Average Annual	High-Level Wage
11-1011 11-1021 11-1031 11-2011 11-2021 11-2022 11-2032 11-2033 11-3012	Chief Executives General and Operations Managers	Starting Wage (\$)	Wage (\$)									
11-1021 11-1031 11-2011 11-2021 11-2022 11-2032 11-2033 11-3012	General and Operations Managers			Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
11-1021 11-1031 11-2011 11-2021 11-2022 11-2032 11-2033 11-3012	General and Operations Managers											
11-1031 11-2011 11-2021 11-2022 11-2032 11-2033 11-3012		105,096	293,780	*	Yes	Yes	Yes*	Bachelor's degree		Yes	Yes	Yes*
11-2011 11-2021 11-2022 11-2032 11-2033 11-3012		43,578	115,997	138,816	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-2021 11-2022 11-2032 11-2033 11-3012	Legislators	20,800 54.327	81,537 112.565	120,726 138.925	No	Yes	Yes	Bachelor's degree		No	No Yes	Yes
11-2022 11-2032 11-2033 11-3012	Advertising and Promotions Managers Marketing Managers	. ,.	112,565	138,925	Yes		Yes	Bachelor's degree	-	Yes		Yes
11-2032 11-2033 11-3012	Sales Managers	72,415 64.757	153,426	193,875	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
11-2033 11-3012	Public Relations Managers	60,492	119,491	140,698	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
11-3012	Fundraising Managers	64,395	118,026	144.829	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
	Administrative Services Managers	64,262	118,585	137,536	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
	Facilities Managers	50.763	97.463	122.635	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	97,738	161,269	179,314	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3031	Financial Managers	74,253	160,571	202,942	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3051	Industrial Production Managers	63,572	117,379	134,356	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3061	Purchasing Managers	81,164	137,534	163,139	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	50,457	112,438	130,213	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-3111	Compensation and Benefits Managers	71,918	130,106	167,445	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3121	Human Resources Managers	79,867	138,166	168,092	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3131	Training and Development Managers	68,106	120,226	145,335	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	23,583	86,663	121,076	No	Yes	Yes	Bachelor's degree		No	No	Yes
11-9021	Construction Managers	64,005	129,332	138,616	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	35,868	48,974	53,706	No	No	No	Bachelor's degree		No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	60,032	89,414	101,144	Yes	Yes	Yes	Master's degree	1	Yes	Yes	Yes
11-9033 11-9039	Education Administrators, Postsecondary Education Administrators. All Other	62,910	101,102	98,709	Yes	Yes	Yes	Master's degree	1	Yes	Yes	Yes
11-9039		42,650	89,127	111,908	Yes	Yes	Yes	Master's degree	1	No	Yes	Yes
11-9041	Architectural and Engineering Managers Food Service Managers	102,282 35,360	163,009 71,995	183,923 82,671	Yes No	Yes	Yes Yes	Bachelor's degree	1	Yes	Yes	Yes
11-9051	Gambling Managers	35,360 60.201	71,995 115.563	116,783				Some college, no degree				Yes
11-9072		39.842	102.180	106.225	Yes Yes	Yes Yes	Yes Yes	Some college, no degree Bachelor's degree		Yes No	Yes Yes	Yes No
11-9081	Entertainment and Recreation Managers, Except Gambling Lodging Managers	40,560	90,969	127,870	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
11-9111	Medical and Health Services Managers	52,600	127,278	134,501	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9121	Natural Sciences Managers	46.818	109.198	137,972	Yes	Yes	Yes	Bachelor's degree		No.	Yes	Yes
11-9131	Postmasters and Mail Superintendents	81,453	99,508	110.614	Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	35,367	69.571	78.496	No.	Yes	Yes	Bachelor's degree		No	No.	No.
11-9151	Social and Community Service Managers	46,549	76.865	90.646	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9161	Emergency Management Directors	54.671	96,999	103.692	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
11-9171	Funeral Home Managers	47,870	82,896	94,266	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
11-9179	Personal Service Managers, All Other	47,855	86,536	95,395	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9199	Managers, All Other	63.330	135.121	163,729	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	29,994	108,978	107,130	No	Yes	Yes	Bachelor's degree		No	Yes	No
13-1020	Buyers and Purchasing Agents	39,848	73,881	95,389	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	39,653	68,089	79,723	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	50,976	70,292	78,683	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
13-1041	Compliance Officers	38,792	70,761	84,077	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1051	Cost Estimators	39,039	68,982	82,323	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1071	Human Resources Specialists	39,998	71,546	87,567	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1074	Farm Labor Contractors	23,583	86,663	121,076	No	Yes	Yes	No formal educational credential		No	Yes	Yes
13-1075	Labor Relations Specialists	47,110	85,407	102,158	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1081	Logisticians	41,049	74,934	95,972	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1082	Project Management Specialists	51,543	96,831	123,926	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1111	Management Analysts	44,699	91,086	103,792	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1121	Meeting, Convention, and Event Planners Fundraisers	34,027	57,680	70,277	No	No No	Yes	Bachelor's degree		No	No	No
		28,691	59,564	78,478	No		Yes	Bachelor's degree		No	No	No
13-1141 13-1151	Compensation, Benefits, and Job Analysis Specialists Training and Development Specialists	42,563 32,458	69,190 66,470	80,600 81,970	Yes No	Yes	Yes Yes	Bachelor's degree Bachelor's degree	1	No No	No No	No No
13-1151	Market Research Analysts and Marketing Specialists	32,458 37.441	74,435	96,054	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		No No	No No	No No
13-1101	Business Operations Specialists. All Other	37,441	74,435	96,054	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		No No	No No	No No
13-2011	Accountants and Auditors	48.177	84,140	97,510	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		No	No	No
13-2020	Property Appraisers and Assessors	31.751	66.688	78.798	No.	Yes	Yes	Bachelor's degree		No	No.	No
13-2020	Budget Analysts	50,858	82.557	100.980	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
13-2041	Credit Analysts	51,687	89,637	100,891	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
13-2051	Financial and Investment Analysts	50,502	89.097	100,089	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2052	Personal Financial Advisors	35,554	97,519	104,291	No	Yes	Yes	Bachelor's degree		No	Yes	No
13-2053	Insurance Underwriters	46,725	70,661	79,530	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2054	Financial Risk Specialists	60,325	103,781	126,664	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-2061	Financial Examiners	47,898	77,284	92,295	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2071	Credit Counselors	36,915	47,438	46,724	Yes	No	No	Bachelor's degree		No	No	No
13-2072	Loan Officers	37,939	77,821	84,438	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	30,181	59,036	86,070	No	No	Yes	Bachelor's degree		No	No	No
13-2082	Tax Preparers	24,941	50,571	63,588	No	No	No	Postsecondary nondegree award		No	Yes	Yes
13-2099	Financial Specialists, All Other	38,032	67,725	83,373	Yes	Yes	Yes	Bachelor's degree		No	No	No
15-1211	Computer Systems Analysts	56,602	100,079	120,360	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1212	Information Security Analysts	65,582	115,615	134,803	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	84,316	151,121	168,367	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
15-1231	Computer Network Support Specialists	46,466	77,018	87,415	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1232	Computer User Support Specialists	35,325	60,576	75,253	No	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
15-1241	Computer Network Architects	64,606	115,723	138,579	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1242	Database Administrators	61,671	103,980	129,175	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1243	Database Architects	73,998	124,412	143,352	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes

Nages - Workforce Re Nay 2022	egion 15	Annual W	/ages (\$) by Occupat	tion	Wage Mee	s or Evenade All (Occupation Metric			Wage Meets	or Evenede Educat	tional Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
15-1244	Network and Computer Systems Administrators	52,590	93,821	108,889	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
15-1251 15-1252	Computer Programmers	46,362 60.347	90,493 110.658	109,291	Yes	Yes	Yes	Bachelor's degree		No	No	No
15-1252	Software Developers Software Quality Assurance Analysts and Testers	49.864	96.337	131,024 120.534	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	_	Yes No	Yes	Yes Yes
15-1254	Web Developers	45,973	96,337 87.638	109,223	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1255	Web and Digital Interface Designers	47.835	89.442	109,223	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1299	Computer Occupations, All Other	26,554	92,557	123,199	No	Yes	Yes	Bachelor's degree		No	No	Yes
15-2011	Actuaries	72,434	123.124	151.473	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2021	Mathematicians	39,028	92,741	127,535	Yes	Yes	Yes	Master's degree		No	Yes	Yes
15-2031	Operations Research Analysts	47,228	89,784	110,431	Yes	Yes	Yes	Bachelor's degree		No	No	No
15-2041	Statisticians	57,971	97,984	102,074	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
15-2051	Data Scientists	53,202	98,944	116,776	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2099	Mathematical Science Occupations, All Other	39,731	81,784	99,064	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1011	Architects, Except Landscape and Naval	60,606	99,725	103,429	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
17-1012	Landscape Architects	31,200	61,169	74,518	No	Yes	Yes	Bachelor's degree		No	No	No
17-1021	Cartographers and Photogrammetrists	38,480	58,208	64,020	Yes	No	No	Bachelor's degree		No	No	No
17-1022	Surveyors	38,400	67,131	79,167	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2011 17-2021	Aerospace Engineers	66,922	111,274	134,320	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2021	Agricultural Engineers Bioengineers and Biomedical Engineers	45,712 59,693	84,555 96,269	108,821 126,575	Yes Yes	Yes	Yes	Bachelor's degree Bachelor's degree		No	No Yes	No Yes
17-2031		59,693 65,743	106,479	126,575			Yes Yes		_	Yes	Yes	
17-2041	Chemical Engineers Civil Engineers	65,743	105,479	130,979	Yes Yes	Yes	Yes	Bachelor's degree Bachelor's degree	1	Yes	Yes	Yes Yes
17-2061	Computer Hardware Engineers	62,125 80.373	105,091	129,868	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	1	Yes	Yes	Yes
17-2061	Electrical Engineers	80,373 61.495	116,224	133,445	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	+	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	78,260	112,374	132,125	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	1	Yes	Yes	Yes
17-2081	Environmental Engineers	35,258	96.040	133,622	No.	Yes	Yes	Bachelor's degree		No	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	56.639	90.079	107.487	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2112	Industrial Engineers	64,674	100.344	123,296	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	63,646	86,959	101,254	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2131	Materials Engineers	47,840	82,445	99,867	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2141	Mechanical Engineers	56,624	88,980	100,336	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	45,312	94,380	106,157	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2161	Nuclear Engineers	79,130	114,051	123,613	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2171	Petroleum Engineers	65,568	128,101	153,684	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2199	Engineers, All Other	47,008	91,952	121,423	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
17-3011	Architectural and Civil Drafters	39,518	63,701	73,040	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3012	Electrical and Electronics Drafters	44,143	63,891	76,580	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3013	Mechanical Drafters	38,126	58,858	76,736	Yes	No	Yes	Associate's degree		No	No	Yes
17-3019	Drafters, All Other	40,355	56,980	64,051	Yes	No	No	Associate's degree		No	No	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	35,367	65,662	81,514	No	Yes	Yes	Associate's degree		No	Yes	Yes
17-3022 17-3023	Civil Engineering Technologists and Technicians	35,712	58,931	76,721	No	No	Yes	Associate's degree		No	No	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	38,932 45,968	60,156 63,422	76,976	Yes	No Yes	Yes	Associate's degree		No	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians Environmental Engineering Technologists and Technicians	45,968 31,655	43.257	69,971 45,142	Yes No	No	Yes No	Associate's degree Associate's degree		Yes No	Yes No	Yes No
17-3026	Industrial Engineering Technologists and Technicians	45,710	58,927	63,459	Yes	No	No	Associate's degree		Yes	No	No
17-3027	Mechanical Engineering Technologists and Technicians	47,926	63,394	70,658	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3028	Calibration Technologists and Technicians	46.327	67.916	83.522	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3029	Engineering Technologists and Technicians, Except Drafters, All Other	34,954	65,527	79,608	No	Yes	Yes	Associate's degree		No	Yes	Yes
17-3031	Surveying and Mapping Technicians	30.277	44,546	48,537	No	No	No	Associate's degree		No	No	No
19-1011	Animal Scientists	36,413	79,657	118,763	Yes	Yes	Yes	Master's degree		No	No	Yes
19-1012	Food Scientists and Technologists	40,854	92,909	123,375	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
19-1013	Soil and Plant Scientists	39,535	76,462	99,986	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1021	Biochemists and Biophysicists	52,397	102,024	145,232	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-1022	Microbiologists	37,795	56,559	61,850	Yes	No	No	Master's degree		No	No	No
19-1023	Zoologists and Wildlife Biologists	32,782	47,068	49,913	No	No	No	Master's degree		No	No	No
19-1029	Biological Scientists, All Other	37,440	62,570	86,070	Yes	Yes	Yes	Bachelor's degree	1	No	No	No
19-1031	Conservation Scientists	31,034	53,691	62,352	No	No	No	Bachelor's degree		No	No	No
19-1032	Foresters	49,215	67,709	77,252	Yes	Yes	Yes	Bachelor's degree	1	No	No	No
19-1041	Epidemiologists	45,448	91,948	104,080	Yes	Yes	Yes	Doctoral or professional degree	_	No	No	No
19-1042 19-1099	Medical Scientists, Except Epidemiologists Life Scientists, All Other	55,340 55,040	95,746 84.526	96,129 90.331	Yes	Yes	Yes	Bachelor's degree	+	Yes	Yes	No No
19-1099 19-2011	Life Scientists, All Other Astronomers	55,040 76,008	84,526 155,470	90,331 218,091	Yes	Yes	Yes Yes	Bachelor's degree	+	Yes	No Yes	No Yes
19-2011	Physicists	76,008 62.017	155,470	218,091	Yes Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	1	Yes No	Yes	Yes
19-2012	Atmospheric and Space Scientists	62,017	73.528	77.453	Yes	Yes	Yes	Bachelor's degree	+	Yes	Yes No	Yes No
19-2031	Chemists	39.998	70,730	84.548	Yes	Yes	Yes	Bachelor's degree	-	No	No	No
19-2032	Materials Scientists	79,596	114,566	144,145	Yes	Yes	Yes	Bachelor's degree	1	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	37,440	67,876	82,278	Yes	Yes	Yes	Bachelor's degree	1	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	48,643	97,574	124,840	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
19-2043	Hydrologists	65,083	95,619	103,168	Yes	Yes	Yes	Bachelor's degree	1	Yes	Yes	No
19-2099	Physical Scientists, All Other	33,031	143,642	227,927	No	Yes	Yes	Bachelor's degree	1	No	Yes	Yes
19-3011	Economists	65,435	88,074	103,168	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
19-3022	Survey Researchers	51,615	98,332	124,705	Yes	Yes	Yes	Master's degree		No	Yes	Yes
19-3032	Industrial-Organizational Psychologists	72,622	124,979	151,235	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3033	Clinical and Counseling Psychologists	46,284	109,932	119,995	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3034	School Psychologists	68,534	81,450	92,383	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3039	Psychologists, All Other	46,322	96,989	113,235	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3041	Sociologists	28,637	57,274	49,615	No	No	No	Master's degree		No	No	No
19-3051	Urban and Regional Planners	60,959	89,074	100,244	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
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May 2022	egion 15	Annual W	ages (\$) by Occupat	ion	Wage Most	s or Evenode All O	Occupation Metric			Wage Moets	or Exceeds Educati	ional Loyal Motric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu			-	Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
									Ţ			
19-3091 19-3092	Anthropologists and Archeologists	39,087	61,538	72,798	Yes	Yes	Yes	Master's degree	1	No	No	No
19-3092	Geographers Historians	55,040 52,628	84,526 88.592	90,331 110.008	Yes Yes	Yes Yes	Yes Yes	Master's degree	\rightarrow	Yes	Yes	No Yes
19-3093	Political Scientists	37,526	93,717	127,233	Yes	Yes	Yes	Master's degree Master's degree		No	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	59,757	88,800	106,954	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19-4012	Agricultural Technicians	29.320	38,999	45.273	No	No	No.	Associate's degree		No	No	No
19-4013	Food Science Technicians	34,974	48,694	57,419	No	No	No	Associate's degree		No	No	No
19-4021	Biological Technicians	30,486	41,554	48,270	No	No	No	Bachelor's degree		No	No	No
19-4031	Chemical Technicians	32,541	52,821	62,184	No	No	No	Associate's degree		No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	25,594	39,365	46,389	No	No	No	Associate's degree		No	No	No
19-4043	Geological Technicians, Except Hydrologic Technicians	35,880	39,881	44,427	No	No	No	Associate's degree		No	No	No
19-4044	Hydrologic Technicians	35,233	55,069	65,860	No	No	No	Associate's degree		No	No	No
19-4051	Nuclear Technicians	38,150	61,967	78,662	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
19-4061	Social Science Research Assistants	37,365	48,699	48,460	Yes	No	No	Bachelor's degree		No	No	No
19-4071	Forest and Conservation Technicians	32,924	54,823	74,031	No	No	Yes	Associate's degree		No	No	Yes
19-4092	Forensic Science Technicians	38,160	57,270	66,955	Yes	No	No	Bachelor's degree		No	No	No
19-4099 19-5011	Life, Physical, and Social Science Technicians, All Other	23,268	52,629	60,195	No	No	No	Bachelor's degree		No	No	No
19-5011	Occupational Health and Safety Specialists Occupational Health and Safety Technicians	41,601	77,929	97,316	Yes	Yes	Yes	Bachelor's degree		No	No	No
21-1012	Educational, Guidance, and Career Counselors and Advisors	40,330 35,646	59,704 57,787	69,408 78,771	Yes No	No No	Yes Yes	Postsecondary nondegree award Master's degree		Yes No	Yes No	Yes No
21-1012	Marriage and Family Therapists	35,351	45,938	50,516	No	No	No	Master's degree		No	No	No
21-1015	Rehabilitation Counselors	24.595	42,901	45.005	No	No	No	Master's degree		No	No	No
21-1015	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	30,320	51,652	61,666	No	No	No	Bachelor's degree		No	No	No
21-1019	Counselors, All Other	29,467	41,282	45,916	No	No	No	Master's degree		No	No	No
21-1021	Child, Family, and School Social Workers	36,379	51,493	64,011	Yes	No	No	Bachelor's degree		No	No	No
21-1022	Healthcare Social Workers	38,302	53,763	59,946	Yes	No	No	Master's degree		No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	30,695	45,671	59,121	No	No	No	Bachelor's degree		No	No	No
21-1029	Social Workers, All Other	33,779	68,004	86,070	No	Yes	Yes	Bachelor's degree		No	No	No
21-1091	Health Education Specialists	31,258	60,065	80,400	No	No	Yes	Bachelor's degree		No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	33,280	43,453	48,693	No	No	No	Bachelor's degree		No	No	No
21-1093	Social and Human Service Assistants	28,432	40,557	45,335	No	No	No	Some college, no degree		No	No	No
21-1094	Community Health Workers	34,571	48,728	61,325	No	No	No	Bachelor's degree		No	No	No
21-1099	Community and Social Service Specialists, All Other	26,002	64,033	75,730	No	Yes	Yes	Bachelor's degree		No	No	No
21-2011	Clergy	29,274	55,092	59,706	No	No	No	Master's degree		No	No	No
21-2021	Directors, Religious Activities and Education	29,992	49,068	60,658	No	No	No	Bachelor's degree		No	No	No
21-2099 23-1011	Religious Workers, All Other Lawyers	28,102 64,315	45,996 142,072	59,722 171,572	No Yes	No Yes	No Yes	Bachelor's degree		No No	No No	No Yes
23-1011	Judicial Law Clerks	40.206	49,586	46.592	Yes	No	No.	Doctoral or professional degree Doctoral or professional degree		No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	41,604	91,444	113,553	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	32.937	56.866	60.019	No	No	No	Bachelor's degree		No	No	No
23-1023	Judges, Magistrate Judges, and Magistrates	41,604	91,444	113,553	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
23-2011	Paralegals and Legal Assistants	38,906	61,729	68,953	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
23-2093	Title Examiners, Abstractors, and Searchers	37,298	58,212	73,667	Yes	No	Yes	High school diploma or equivalent		Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	28,969	63,639	66,262	No	Yes	No	Associate's degree		No	Yes	No
25-1011	Business Teachers, Postsecondary	58,763	91,188	102,143	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1021	Computer Science Teachers, Postsecondary	56,329	106,876	123,771	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	49,466	89,599	101,017	Yes	Yes	Yes	Doctoral or professional degree	\perp	No	No	No
25-1031	Architecture Teachers, Postsecondary	82,276	134,779	158,385	Yes	Yes	Yes	Doctoral or professional degree	\perp	Yes	No	No
25-1032	Engineering Teachers, Postsecondary	51,598	72,595	51,598	Yes	Yes	No	Doctoral or professional degree		No	No	No
25-1041 25-1042	Agricultural Sciences Teachers, Postsecondary	43,848	60,836	73,969	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1042	Biological Science Teachers, Postsecondary Forestry and Conservation Science Teachers, Postsecondary	59,877 43.848	96,081 60.836	121,671 73.969	Yes Yes	Yes	Yes Yes	Doctoral or professional degree		No No	No No	No No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	51,332	80,131	77,522	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1051	Chemistry Teachers, Postsecondary	40.883	75,774	98.133	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree		No	No	No
25-1052	Environmental Science Teachers, Postsecondary	43,458	70,641	88.068	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1054	Physics Teachers, Postsecondary	52,597	66,841	78,169	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	45,683	83,238	97,795	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	47,449	65,421	75,110	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1063	Economics Teachers, Postsecondary	48,473	61,687	54,702	Yes	Yes	No	Doctoral or professional degree	11	No	No	No
25-1064	Geography Teachers, Postsecondary	45,683	62,777	60,826	Yes	Yes	No	Doctoral or professional degree		No	No	No
25-1065	Political Science Teachers, Postsecondary	46,496	58,914	58,019	Yes	No	No	Doctoral or professional degree		No	No	No
25-1066	Psychology Teachers, Postsecondary	48,446	84,049	93,301	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1067	Sociology Teachers, Postsecondary	50,379	129,846	173,279	Yes	Yes	Yes	Doctoral or professional degree		No	No	Yes
25-1069	Social Sciences Teachers, Postsecondary, All Other	45,263	63,694	74,944	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1071	Health Specialties Teachers, Postsecondary	45,997	122,148	164,788	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	60,488	85,678	97,003	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	36,589	87,626	110,827	Yes	Yes	Yes	Doctoral or professional degree		No	No No	No
25-1082	Library Science Teachers, Postsecondary	47,302	72,456	79,842	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
	Criminal Justice and Law Enforcement Teachers, Postsecondary Law Teachers, Postsecondary	46,900 62,282	62,996 143.512	60,421 169.458	Yes	Yes	No Var	Doctoral or professional degree		No	No No	No Vec
25-1111	carricachers, rostaccondary	52,282 59,811	143,512 68,602	75,383	Yes Yes	Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree		No No	No No	Yes No
25-1112	Social Work Teachers Postsecondary		00,002							No		Yes
25-1112 25-1113	Social Work Teachers, Postsecondary Art. Drama, and Music Teachers, Postsecondary		01 270	105 022								
25-1112 25-1113 25-1121	Art, Drama, and Music Teachers, Postsecondary	46,370	91,279	105,032 159,951	Yes	Yes	Yes	Master's degree			Yes	
25-1112 25-1113	Art, Drama, and Music Teachers, Postsecondary Communications Teachers, Postsecondary	46,370 49,876	118,793	159,951	Yes	Yes	Yes	Doctoral or professional degree		No	No	Yes
25-1112 25-1113 25-1121 25-1122	Art, Drama, and Music Teachers, Postsecondary Communications Teachers, Postsecondary English Language and Literature Teachers, Postsecondary	46,370 49,876 48,751	118,793 82,995	159,951 95,516	Yes Yes	Yes Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree		No No	No No	Yes No
25-1112 25-1113 25-1121 25-1122 25-1123	Art, Drama, and Music Teachers, Postsecondary Communications Teachers, Postsecondary English Language and Literature Teachers, Postsecondary Foreign Language and Literature Teachers, Postsecondary	46,370 49,876	118,793 82,995 71,495	159,951 95,516 79,805	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree Doctoral or professional degree		No	No	Yes
25-1112 25-1113 25-1121 25-1122 25-1123 25-1124	Art, Drama, and Music Teachers, Postsecondary Communications Teachers, Postsecondary English Language and Literature Teachers, Postsecondary	46,370 49,876 48,751 45,406	118,793 82,995	159,951 95,516	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Doctoral or professional degree Doctoral or professional degree		No No	No No No	Yes No No

Wages - Workforce Re May 2022	egion 15	Annual W	ages (\$) by Occupat	ion	Waga Maat	s or Evenode All C	Occupation Metric			Wage Moets	or Evenode Educat	tional Level Metric
way 2022			Average Annual	High-Level Wage	Representative	Average Annu			F	Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	44,634	102,108	170,514	Yes	Yes	Yes	Doctoral or professional degree		No	No	Yes
25-1194 25-1199	Career/Technical Education Teachers, Postsecondary Postsecondary Teachers, All Other	35,790 43.455	52,187	62,227 80.752	No	No	No	Master's degree		No	No	No
25-1199	Preschool Teachers, All Other Preschool Teachers, Except Special Education	43,455	69,316 30.715	80,752 34.839	Yes No	Yes No	Yes No	Doctoral or professional degree Associate's degree		No No	No No	No No
25-2011	Kindergarten Teachers, Except Special Education	47,476	69,700	79,436	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2012	Elementary School Teachers, Except Special Education	46,413	68.893	79,430	Yes	Yes	Yes	Bachelor's degree	-	No	No	No
25-2021	Middle School Teachers, Except Special and Career/Technical Education	38,027	56,474	64,178	Yes	No	No	Bachelor's degree	-	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	36.441	66.254	80,227	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	60,527	72,119	79,526	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2032	Career/Technical Education Teachers, Secondary School	62,788	71,780	79,487	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2051	Special Education Teachers, Preschool	38,446	67,459	79,526	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	33,926	45,414	48,486	No	No	No	Bachelor's degree		No	No	No
25-2057	Special Education Teachers, Middle School	64,818	74,543	78,576	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2058	Special Education Teachers, Secondary School	47,787	69,244	79,251	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2059	Special Education Teachers, All Other	30,919	53,949	72,821	No	No	Yes	Bachelor's degree		No	No	No
	Adult Basic Education, Adult Secondary Education, and English as a Second											
25-3011	Language Instructors	59,893	65,077	78,825	Yes	Yes	Yes	Bachelor's degree	\perp	Yes	No	No
25-3021 25-3031	Self-Enrichment Teachers	23,430	41,035	48,475	No	No	No	Some college, no degree		No	No	No
25-3041	Substitute Teachers, Short-Term Tutors	22,096	44,881	34,146	No.	No No	No No	Bachelor's degree	\dashv	No	No	No No
25-3041	Teachers and Instructors, All Other	23,159 22,721	46,267 57,057	65,018 80.587	No No	No No	No Yes	Bachelor's degree Bachelor's degree	\dashv	No No	No No	No No
25-3099	Archivists	22,721	45,888	54,796	No No	No No	Yes No	Master's degree	+	No	No No	No No
25-4012	Curators	42.237	61,993	72.198	Yes	Yes	Yes	Master's degree	+	No	No	No
25-4013	Museum Technicians and Conservators	33.718	57.306	75,836	No	No	Yes	Bachelor's degree	+	No	No	No.
25-4022	Librarians and Media Collections Specialists	37.896	60.524	80.052	Yes	Yes	Yes	Master's degree		No	No	No
25-4031	Library Technicians	36,329	44,675	51,099	No	No	No	Associate's degree	1 1	No	No	No
25-9021	Farm and Home Management Educators	28,735	46,229	56,845	No	No	No	Master's degree		No	No	No
25-9031	Instructional Coordinators	46,779	67,982	79,725	Yes	Yes	Yes	Master's degree		No	No	No
25-9044	Teaching Assistants, Postsecondary	20,675	32,120	39,965	No	No	No	Bachelor's degree		No	No	No
25-9045	Teaching Assistants, Except Postsecondary	22,708	29,910	29,282	No	No	No	Some college, no degree		No	No	No
25-9099	Educational Instruction and Library Workers, All Other	25,178	43,627	48,461	No	No	No	Bachelor's degree		No	No	No
27-1011	Art Directors	56,575	93,387	103,408	Yes	Yes	Yes	Bachelor's degree	\perp	Yes	No	No
27-1012	Craft Artists	20,744	33,496	38,628	No	No	No	Some college, no degree		No	No	No
27-1013 27-1014	Fine Artists, Including Painters, Sculptors, and Illustrators Special Effects Artists and Animators	26,822 44,277	46,102 62,653	46,454 73.854	No	No	No Yes	Bachelor's degree		No No	No No	No No
27-1014	Artists and Related Workers, All Other	26,767	45,487	50,777	Yes No	Yes No	No No	Bachelor's degree Some college, no degree	\dashv	No	No	No No
27-1019	Commercial and Industrial Designers	22,761	50,673	72,542	No	No	Yes	Bachelor's degree	+	No	No	No
27-1021	Fashion Designers	49.179	69.251	76,958	Yes	Yes	Yes	Bachelor's degree	-	No	No	No
27-1023	Floral Designers	28,691	34,725	35,072	No	No	No	High school diploma or equivalent	1 1	No	No	No
27-1024	Graphic Designers	36,269	56.410	63.425	No	No	No	Bachelor's degree	1 1	No	No	No
27-1025	Interior Designers	32,190	59,888	73,177	No	No	Yes	Bachelor's degree		No	No	No
27-1026	Merchandise Displayers and Window Trimmers	25,914	36,157	38,674	No	No	No	Some college, no degree		No	No	No
27-1027	Set and Exhibit Designers	35,604	45,010	46,600	No	No	No	Bachelor's degree		No	No	No
27-1029	Designers, All Other	29,690	42,530	51,863	No	No	No	Bachelor's degree		No	No	No
27-2011	Actors	29,388	33,516	31,311	No	No	No	Some college, no degree		No	No	No
27-2012	Producers and Directors	37,195	72,473	87,567	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-2021	Athletes and Sports Competitors	24,773	63,206	62,855	No	Yes	No	Some college, no degree		No	Yes	Yes
27-2022	Coaches and Scouts	28,997	69,590	65,705	No	Yes	No	Bachelor's degree	\perp	No	No	No
27-2023 27-2031	Umpires, Referees, and Other Sports Officials Dancers	20,800	33,921	45,307	No	No No	No	Some college, no degree		No	No	No
27-2031	Choreographers	29,388 29,388	33,516 33,516	31,311 31,311	No	No	No No	High school diploma or equivalent	\dashv	No	No No	No No
27-2032	Music Directors and Composers	27,215	63,738	83,302	No No	Yes	Yes	Some college, no degree Bachelor's degree	\dashv	No No	No	No No
27-2041	Musicians and Singers	29,388	33,516	31,311	No	No	No No	Some college, no degree	+	No	No	No
27-2091	Disc Jockeys, Except Radio	21,661	59,226	58,650	No	No	No	Bachelor's degree	-	No	No	No
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	21.661	59,226	58,650	No	No	No	Some college, no degree	+	No	Yes	Yes
27-3011	Broadcast Announcers and Radio Disc Jockeys	21.661	59,226	58,650	No	No	No	Bachelor's degree		No	No	No
27-3023	News Analysts, Reporters, and Journalists	32,470	67,211	81,302	No	Yes	Yes	Bachelor's degree		No	No	No
27-3031	Public Relations Specialists	37,669	69,139	80,945	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3041	Editors	33,212	76,370	104,021	No	Yes	Yes	Bachelor's degree		No	No	No
27-3042	Technical Writers	51,233	74,750	84,252	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
27-3043	Writers and Authors	38,925	71,993	84,485	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3091	Interpreters and Translators	37,795	65,148	82,311	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3092	Court Reporters and Simultaneous Captioners	27,521	56,669	72,634	No	No	Yes	Postsecondary nondegree award	\perp	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	20,860	44,640	57,092	No	No	No	Associate's degree		No	No	No
27-4011	Audio and Video Technicians	34,087	52,969	60,389	No	No	No No	Associate's degree	\perp	No	No	No
27-4012 27-4014	Broadcast Technicians	23,991	53,792	62,425	No	No	No	Associate's degree	+	No	No	No
27-4014 27-4015	Sound Engineering Technicians Lighting Technicians	24,305 29,262	70,563 48,083	111,483 59,177	No No	Yes No	Yes No	Associate's degree	\dashv	No No	Yes No	Yes
41°4U13	Photographers	29,262 27,020	48,083 36,796	59,177 44,637	No No	No No	No No	Associate's degree Some college, no degree	+	No No	No No	No No
27-4021		27,020	36,796 57.616	63,636	No No	No No	No No	Bachelor's degree	+	No No	No No	No No
27-4021 27-4031	Camera Operators, Television, Video, and Film			63,260	Yes	No	No	Bachelor's degree	+	No	No	No
27-4031	Camera Operators, Television, Video, and Film								1 1			
	Film and Video Editors	37,379 30,553	57,350 88.496	110.094	No		Yes			Nο	Yes	Yes
27-4031 27-4032 27-4099		37,379 30,553	88,496	110,094	No	Yes		Associate's degree	\dashv			Yes No
27-4031 27-4032 27-4099 29-1011	Film and Video Editors Media and Communication Equipment Workers, All Other	37,379 30,553 65,975	88,496 85,494	110,094 98,799	No Yes	Yes Yes	Yes	Associate's degree Doctoral or professional degree		No	No	No
27-4031 27-4032 27-4099	Film and Video Editors Media and Communication Equipment Workers, All Other Chiropractors	37,379 30,553	88,496	110,094	No	Yes		Associate's degree				
27-4031 27-4032 27-4099 29-1011 29-1021	Film and Video Editors Media and Communication Equipment Workers, All Other Chiropractors Dentists, General	37,379 30,553 65,975 100,116	88,496 85,494 166,088	110,094 98,799	No Yes Yes	Yes Yes Yes	Yes Yes	Associate's degree Doctoral or professional degree Doctoral or professional degree		No Yes	No Yes	No Yes
27-4031 27-4032 27-4099 29-1011 29-1021 29-1022	Film and Video Editors Media and Communication Equipment Workers, All Other Chiropractors Dentists, General Oral and Maxillofacial Surgeons	37,379 30,553 65,975 100,116 51,254	88,496 85,494 166,088 221,789	110,094 98,799 171,265 *	No Yes Yes Yes	Yes Yes Yes Yes	Yes Yes Yes*	Associate's degree Doctoral or professional degree Doctoral or professional degree Doctoral or professional degree		No Yes No	No Yes Yes	No Yes Yes*

Wages - Workforce Re May 2022	egion 15	A	ages (\$) by Occupat	d	14/ 844	F d- All /	Occupation Metric			V 844	. F d. Fd	ional Level Metric
way 2022			Average Annual	High-Level Wage	Representative	Average Annu				sentative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		ng Wage	Wage	Threshold
29-1031 29-1041	Dietitians and Nutritionists	50,326	67,010	76,733	Yes	Yes	Yes	Bachelor's degree	No		No	No
29-1041	Optometrists Pharmacists	35,540 42,442	115,475 119.625	158,393 139,131	No Yes	Yes Yes	Yes Yes	Doctoral or professional degree	No No		No No	No No
29-1051	Physician Assistants	42,442	119,625	133,519	Yes	Yes	Yes	Doctoral or professional degree Master's degree	No		Yes	Yes
29-1071	Podiatrists	50,989	178,679	181.589	Yes	Yes	Yes	Doctoral or professional degree	No		Yes	Yes
29-1122	Occupational Therapists	74.782	90.570	99.987	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-1123	Physical Therapists	67,375	95,264	101,237	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
29-1124	Radiation Therapists	74,980	102,221	88,370	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-1125	Recreational Therapists	33,605	54,096	68,841	No	No	No	Bachelor's degree	No		No	No
29-1126	Respiratory Therapists	60,103	72,085	78,129	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-1127	Speech-Language Pathologists	66,842	87,631	99,723	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-1128	Exercise Physiologists	45,193	68,144	86,070	Yes	Yes	Yes	Master's degree	No		No	No
29-1129	Therapists, All Other	26,587	54,192	62,630	No	No	No	Bachelor's degree	No		No	No
29-1131	Veterinarians	63,962	120,944	134,628	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
29-1141	Registered Nurses	63,665	80,749	85,675	Yes	Yes	Yes	Bachelor's degree	Yes		No	No
29-1151 29-1161	Nurse Anesthetists	119,349	170,154	195,337	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-1161	Nurse Midwives Nurse Practitioners	90,073	111,388	109,208 121.902	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-11/1	Audiologists	81,908 50,931	108,374 88,022	,	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-1211	Anesthesiologists	101,474	292,693	97,581	Yes Yes	Yes	Yes Yes*	Doctoral or professional degree Doctoral or professional degree	No Yes		No Yes	No Yes*
29-1212	Cardiologists	141,993	356,679	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1212	Dermatologists	121,362	366,501	*	Yes	Yes	Yes*	Doctoral or professional degree Doctoral or professional degree	Yes		Yes	Yes*
29-1213	Emergency Medicine Physicians	200,957	338,474	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1215	Family Medicine Physicians	61.201	158.064	223.467	Yes	Yes	Yes	Doctoral or professional degree	No		Yes	Yes
29-1216	General Internal Medicine Physicians	172,265	305,227	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1217	Neurologists	91,083	268,076	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1218	Obstetricians and Gynecologists	158,632	200,028	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1221	Pediatricians, General	118,559	188,037	203,051	Yes	Yes	Yes	Doctoral or professional degree	Yes		Yes	Yes
29-1222	Physicians, Pathologists	183,624	208,727	216,413	Yes	Yes	Yes	Doctoral or professional degree	Yes		Yes	Yes
29-1223	Psychiatrists	55,182	217,340	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1224	Radiologists	49,644	297,035	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1229	Physicians, All Other	126,964	276,111	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1241	Ophthalmologists, Except Pediatric	99,532	214,246	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1242 29-1243	Orthopedic Surgeons, Except Pediatric	63,421	312,647	•	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1243	Pediatric Surgeons Surgeons, All Other	63,421 226,466	312,647 411.223	*	Yes Yes	Yes	Yes* Yes*	Doctoral or professional degree	No Yes		Yes	Yes* Yes*
29-1245	Acupuncturists	28,296	49,332	53,264	No No	No No	No No	Doctoral or professional degree Master's degree	No		No	No Yes
29-1292	Dental Hygienists	76.344	81.170	81.794	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-1299	Healthcare Diagnosing or Treating Practitioners, All Other	66,206	93,987	95,618	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-2010	Clinical Laboratory Technologists and Technicians	31.171	54,375	68.286	No	No	No	Associate's degree	No		No	Yes
29-2031	Cardiovascular Technologists and Technicians	30,187	53,360	77,680	No	No	Yes	Associate's degree	No		No	Yes
29-2032	Diagnostic Medical Sonographers	61,942	74,701	80,596	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-2033	Nuclear Medicine Technologists	67,280	84,347	85,638	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-2034	Radiologic Technologists and Technicians	48,480	65,875	76,145	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	62,315	74,447	79,040	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-2036	Medical Dosimetrists	100,932	132,120	140,219	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
29-2042	Emergency Medical Technicians	23,594	32,263	37,435	No	No	No	Postsecondary nondegree award	No		No	No
29-2043	Paramedics	38,417	51,316	62,700	Yes	No	No	Postsecondary nondegree award	Yes		Yes	Yes
29-2051 29-2052	Dietetic Technicians	22,880	29,887	33,685	No	No	No	Associate's degree	No		No	No
29-2052	Pharmacy Technicians Psychiatric Technicians	29,774 27,949	38,069 35,921	42,408 38,715	No	No No	No No	Postsecondary nondegree award	No		No	No No
29-2055	Surgical Technologists	40,178	35,921 53,830	38,715 60,766	No Yes	No No	No No	Postsecondary nondegree award Postsecondary nondegree award	No Yes		No Yes	Yes
29-2056	Veterinary Technologists and Technicians	29,315	38,125	45,358	No	No	No	Associate's degree	No		No	No
29-2057	Ophthalmic Medical Technicians	31,610	45.234	48,905	No No	No.	No.	Postsecondary nondegree award	No.		No.	No.
29-2061	Licensed Practical and Licensed Vocational Nurses	40.213	52,185	57.156	Yes	No	No	Postsecondary nondegree award	Yes		Yes	Yes
29-2072	Medical Records Specialists	31,954	49,483	59.800	No	No	No	Postsecondary nondegree award	No		Yes	Yes
29-2081	Opticians, Dispensing	30,782	50,470	58,974	No	No	No	Postsecondary nondegree award	No		Yes	Yes
29-2091	Orthotists and Prosthetists	38,674	81,923	97,388	Yes	Yes	Yes	Master's degree	No		No	Yes
29-2092	Hearing Aid Specialists	38,190	63,485	71,344	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
29-2099	Health Technologists and Technicians, All Other	31,592	46,377	51,089	No	No	No	Postsecondary nondegree award	No		No	No
29-9021	Health Information Technologists and Medical Registrars	39,994	64,969	79,609	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
29-9091	Athletic Trainers	39,668	51,995	52,939	Yes	No	No	Bachelor's degree	No		No	No
29-9092	Genetic Counselors	86,869	93,015	102,986	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-9093	Surgical Assistants	40,480	54,977	49,366	Yes	No	No	Postsecondary nondegree award	Yes		Yes	No
29-9099	Healthcare Practitioners and Technical Workers, All Other	38,022	78,657	102,074	Yes No	Yes No	Yes No	Postsecondary nondegree award	Yes		Yes	Yes
31-1120 31-1131	Home Health and Personal Care Aides Nursing Assistants	22,639	28,734	30,382				High school diploma or equivalent	No		No	No No
31-1131	Orderlies	28,792 25.041	34,886 28.999	37,509 30.832	No No	No No	No No	Postsecondary nondegree award	No No		No No	No No
31-1133	Psychiatric Aides	38,366	69,996	81,148	Yes	Yes	Yes	High school diploma or equivalent High school diploma or equivalent	Yes		Yes	Yes
31-2011	Occupational Therapy Assistants	58,088	65,707	73,403	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
31-2012	Occupational Therapy Assistants Occupational Therapy Aides	29,213	54,659	66,661	No	No	No	Postsecondary nondegree award	No		Yes	Yes
31-2021	Physical Therapist Assistants	51,955	67,893	75,398	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
31-2022	Physical Therapist Aides	23,161	31,029	32,057	No	No	No	Postsecondary nondegree award	No		No	No
31-9011	Massage Therapists	28,714	49,825	52,000	No	No	No	Postsecondary nondegree award	No		Yes	No
31-9091	Dental Assistants	37,978	45,728	46,650	Yes	No	No	Postsecondary nondegree award	Yes		No	No
31-9092	Medical Assistants	30,159	37,864	41,292	No	No	No	Postsecondary nondegree award	No		No	No
31-9093	Medical Equipment Preparers	31,247	41,754	45,140	No	No	No	High school diploma or equivalent	Yes		No	No
31-9094	Medical Transcriptionists	27,790	35,319	37,019	No	No	No	Postsecondary nondegree award	No		No	No
					•							

Wages - Workforce Re May 2022	egion 15	Annual W	ages (\$) by Occupat	tion	Wage Meet	e or Evenode All C	Occupation Metric			Wage Meets	or Evenade Educat	tional Level Metric
way 2022			Average Annual	High-Level Wage	Representative	Average Annu			Re	epresentative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		arting Wage	Wage	Threshold
31-9095	Pharmacy Aides	23,312	35,373	40,895	No	No	No	High school diploma or equivalent	No		No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	26,840	32,796	36,090	No	No	No	High school diploma or equivalent	No		No	No
31-9097 31-9099	Phlebotomists	30,854 28,053	37,584 41.446	39,128 46,254	No No	No No	No No	Postsecondary nondegree award	No	~	No No	No No
31-9099	Healthcare Support Workers, All Other First-Line Supervisors of Correctional Officers	28,053 72,488		-, -				High school diploma or equivalent	No			
33-1011	First-Line Supervisors of Correctional Officers First-Line Supervisors of Police and Detectives	72,488 68.994	90,478 110.535	103,002 127,564	Yes Yes	Yes	Yes Yes	Some college, no degree Bachelor's degree	Ye Ye		Yes	Yes Yes
33-1012	First-Line Supervisors of Force and Detectives First-Line Supervisors of Firefighting and Prevention Workers	39,856	69,137	94,979	Yes	Yes	Yes	Associate's degree	No		Yes	Yes
33-1021	First-Line Supervisors of Security Workers	28.342	46.490	56.612	No No	No	No.	Bachelor's degree	No.		No	No.
33-1099	First-Line Supervisors of Protective Service Workers, All Other	32,259	53,372	59,093	No	No	No	Some college, no degree	Ye		Yes	Yes
33-2011	Firefighters	48,818	57,422	61,063	Yes	No	No	Postsecondary nondegree award	Ye		Yes	Yes
33-2021	Fire Inspectors and Investigators	59,362	81,445	95,251	Yes	Yes	Yes	Postsecondary nondegree award	Ye		Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	54,308	89,307	100,820	Yes	Yes	Yes	Some college, no degree	Ye	±S	Yes	Yes
33-3011	Bailiffs	28,471	54,025	63,626	No	No	No	High school diploma or equivalent	No	5	Yes	Yes
33-3012	Correctional Officers and Jailers	48,333	68,037	85,500	Yes	Yes	Yes	High school diploma or equivalent	Ye	.s	Yes	Yes
33-3021	Detectives and Criminal Investigators	50,671	96,449	129,750	Yes	Yes	Yes	Some college, no degree	Ye		Yes	Yes
33-3031	Fish and Game Wardens	26,383	28,608	28,774	No	No	No	Bachelor's degree	No	٥	No	No
33-3041	Parking Enforcement Workers	34,856	43,719	49,734	No	No	No	High school diploma or equivalent	Ye		No	No
33-3051	Police and Sheriff's Patrol Officers	53,331	73,518	87,135	Yes	Yes	Yes	Associate's degree	Ye		Yes	Yes
33-3052	Transit and Railroad Police	58,269	72,398	59,421	Yes	Yes	No	Associate's degree	Ye		Yes	No
33-9011	Animal Control Workers	36,503	42,048	48,448	Yes	No	No	Postsecondary nondegree award	Ye		No	No
33-9021	Private Detectives and Investigators Cambling Suppliance Officers and Cambling Investigators	28,233 27,681	52,189	59,602	No No	No No	No No	Bachelor's degree	No No		No No	No
33-9031 33-9032	Gambling Surveillance Officers and Gambling Investigators	,	34,765	37,682	No No		No No	High school diploma or equivalent				No
33-9032 33-9091	Security Guards Crossing Guards and Flaggers	22,459	31,202	34,926	No No	No	No No	High school diploma or equivalent	No.		No	No
33-9091 33-9092	Crossing Guards and Flaggers Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	26,953 20,800	28,407	28,972 28,610	No No	No No	No No	No formal educational credential	Ye		No	No
33-9092	Transportation Security Screeners	20,800 35.277	25,485 43.367	28,610 46.072	No No	No No	No No	No formal educational credential	No Ye		No No	No No
33-9094	School Bus Monitors	35,277 22,275	43,367 26.598	46,072 27,778	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	Ye No		No No	No No
33-9099	Protective Service Workers, All Other	30.198	43,669	50.971	No	No	No	High school diploma or equivalent	No		No	No No
35-1011	Chefs and Head Cooks	36,872	56,459	63,840	Yes	No	No	Associate's degree	No		No	No
35-1011	First-Line Supervisors of Food Preparation and Serving Workers	27,776	40,675	47,946	No	No	No	High school diploma or equivalent	No		No	No
35-2011	Cooks, Fast Food	22,059	26.328	29.350	No.	No.	No.	No formal educational credential	No.		No.	No.
35-2012	Cooks, Institution and Cafeteria	25,766	31.006	32.476	No	No	No	No formal educational credential	Ye	-	No	No.
35-2013	Cooks, Private Household	31.564	57,430	70.768	No	No	Yes	Postsecondary nondegree award	No.		Yes	Yes
35-2014	Cooks, Restaurant	27.368	32.804	35,714	No	No	No	High school diploma or equivalent	No.		No	No
35-2015	Cooks, Short Order	24,320	30.188	34,225	No	No	No	No formal educational credential	Ye		No	No
35-2019	Cooks, All Other	26,510	32,716	34,618	No	No	No	No formal educational credential	Ye		Yes	Yes
35-2021	Food Preparation Workers	24,219	30,921	34,874	No	No	No	No formal educational credential	Ye		No	Yes
35-3011	Bartenders	21,237	35.028	42,217	No	No	No	No formal educational credential	No		Yes	Yes
35-3023	Fast Food and Counter Workers	21,064	25,547	27,469	No	No	No	No formal educational credential	No	D	No	No
35-3031	Waiters and Waitresses	21,219	33,024	36,249	No	No	No	No formal educational credential	No	0	Yes	Yes
35-3041	Food Servers, Nonrestaurant	21,551	28,472	31,663	No	No	No	No formal educational credential	No	o	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	21,089	28,004	30,473	No	No	No	No formal educational credential	No	o	No	No
35-9021	Dishwashers	22,476	27,608	28,797	No	No	No	No formal educational credential	No	o .	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	21,601	30,293	30,182	No	No	No	No formal educational credential	No	3	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	23,220	27,564	28,781	No	No	No	No formal educational credential	No	J	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	28,658	45,390	55,000	No	No	No	High school diploma or equivalent	No		No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	35,862	49,382	59,042	No	No	No	Some college, no degree	Ye		Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	22,878	28,987	30,051	No	No	No	High school diploma or equivalent	No		No	No
37-2012	Maids and Housekeeping Cleaners	22,850	28,385	29,594	No	No	No	No formal educational credential	No		No	No
37-2019 37-2021	Building Cleaning Workers, All Other	23,846	29,681	32,394	No	No	No	No formal educational credential	Ye		No	No
37-2021	Pest Control Workers	31,287	42,589	46,859	No	No	No	High school diploma or equivalent	Ye		No	No
	Landscaping and Groundskeeping Workers	27,131	32,680	35,363	No	No	No	No formal educational credential	Ye		Yes	Yes
37-3012 37-3013	Pesticide Handlers, Sprayers, and Applicators, Vegetation Tree Trimmers and Pruners	23,597 25,602	35,941 36,993	44,067 41,762	No No	No No	No No	High school diploma or equivalent	No No		No No	No No
37-3013 37-3019	Grounds Maintenance Workers, All Other	25,602	36,993 56.528	73.237	No No	No No	Yes	High school diploma or equivalent No formal educational credential	Ye		Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	32,198	56,328	/3,237 69,129	No No	No			Ye			
55 1015	First-Line Supervisors of Entertainment and Recreation Workers, Except	32,176	30,328	05,129	INU	INU	Yes	Some college, no degree	16	3	Yes	Yes
39-1014	Gambling Services	31.914	57.838	66.203	No	No	No	Some college, no degree	Ye	35	Yes	Yes
39-1022	First-Line Supervisors of Personal Service Workers	29.483	46,322	53.001	No	No	No	Some college, no degree	No		No	No
39-2011	Animal Trainers	28,189	36,944	44,010	No	No	No	High school diploma or equivalent	No		No	No
39-2021	Animal Caretakers	23,506	30,527	33.115	No.	No	No	High school diploma or equivalent	No		No	No.
39-3011	Gambling Dealers	20,948	34,345	46,385	No	No	No	High school diploma or equivalent	No		No	No
39-3012	Gambling and Sports Book Writers and Runners	20,909	27,905	30,023	No	No	No	High school diploma or equivalent	No		No	No
39-3019	Gambling Service Workers, All Other	20,295	31,603	36,745	No	No	No	High school diploma or equivalent	No	J.	No	No
39-3021	Motion Picture Projectionists	31,047	37,526	41,956	No	No	No	No formal educational credential	Ye	±S	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	21,553	27,065	28,343	No	No	No	No formal educational credential	No		No	No
39-3091	Amusement and Recreation Attendants	21,395	27,642	28,918	No	No	No	No formal educational credential	No	o .	No	No
39-3092	Costume Attendants	25,232	40,531	47,166	No	No	No	High school diploma or equivalent	No	3	No	No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	22,110	29,554	32,316	No	No	No	High school diploma or equivalent	No	o .	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	22,724	28,286	28,335	No	No	No	High school diploma or equivalent	No	3	No	No
39-4011	Embalmers	31,876	45,556	51,039	No	No	No	Associate's degree	No	o .	No	No
	Crematory Operators	30,325	38,648	46,190	No	No	No	High school diploma or equivalent	No	•	No	No
39-4012	I compared to the state of the	24.376	31,433	33,732	No	No	No	High school diploma or equivalent	No	J	No	No
39-4021	Funeral Attendants	,										
39-4021 39-4031	Morticians, Undertakers, and Funeral Arrangers	33,838	54,162	63,041	No	No	No	Associate's degree	No	ז	No	No
39-4021 39-4031 39-5011	Morticians, Undertakers, and Funeral Arrangers Barbers	33,838 21,678	33,867	37,736	No	No	No	Postsecondary nondegree award	No	0	No	No
39-4021 39-4031 39-5011 39-5012	Morticians, Undertakers, and Funeral Arrangers Barbers Hairdressers, Hairstylists, and Cosmetologists	33,838 21,678 22,313	33,867 36,737	37,736 46,918	No No	No No	No No	Postsecondary nondegree award Postsecondary nondegree award	No No	0	No No	No No
39-4021 39-4031 39-5011	Morticians, Undertakers, and Funeral Arrangers Barbers	33,838 21,678	33,867	37,736	No	No	No	Postsecondary nondegree award	No	0 0 es	No	No

Company Comp	Workforce Region	ın 15	A	/ (ĉ) b.: 0	· T	14/ 844	F d- All C	N			/ 84- -	Fd. Fda	
Communication		-											
1995 1995	tional Code Or	Occupational Title							Educational Requirement				Threshold
							•		·				
		· · · · · · · · · · · · · · · · · · ·		,		No							No
2000 Control		·	,	.,	-,								No
Second Second Non-Standard Second Non-			,	,									No
1985 Content 1985			.,	,	-, -								No
Second Profession and Continue transcriptors 2,127 2,121 4,125 1,1													No
1980			,		-, -								No No
2004 September													No No
1999 Proposition of the control and office or enthright 30 feet 1999 19			,-		. ,								No
Second Second process of inflated and between \$3.50													No
45.000 Process of American Control 1.000			29.235		58.551	No	No	No					Yes
45-001 Conference Confere								Yes					Yes
1.000 1.000	. Ca	ashiers											No
14-10-12 May Salesgerous 12-279 27-278 27-278 12-278	: Ga	ambling Change Persons and Booth Cashiers	20,714	32,472	33,642	No	No	No	No formal educational credential	No		Yes	No
1-10-12 Maria Salaspanenes 1,70-12 1,7		ounter and Rental Clerks.	23,993			No	No	No	No formal educational credential	Yes		Yes	Yes
Administration Administration Agent Ag		arts Salespersons	22,779	37,474	43,826	No	No	No	High school diploma or equivalent	No		No	No
44-1001 Marcine Calendar Agents 11-001 1									High school diploma or equivalent				No
### Add March Marc													Yes
4.500 True lagents True lagent													Yes
Solic Representative of Connect, Except Anothering, Frouristics Solic So													No
Marche M			21,179	43,165	47,705	NO	NO	NO	some college, no degree	No		INO	No
Author Processing Representative, Workshaper and Manufacturing, Except of Technical and Security (1997) Scientific Production Scientific Prod			24 244	70 621	92.520	No	Vac	Voc	Rachelor's degree	No		No	No
March Modules March Ma			34,344	/U,b21	82,629	INO	res	res	pachelor's degree	NO		INO	No
See September Mechanisms with front winder front per federical and september 1,000 1,0			20.077	06.306	126 011	Voc	Voc	Voc	Pachalar's dagrae	No		Voc	Yes
March Marc			35,511	20,500	120,011	163	163	163	Sacricior 3 degree	NO NO		163	163
14.900 Demonstration and Product Promoters 2,146 1,156			33 280	72 623	81 556	No	Ves	Vec	Some college, no degree	Ves		Ves	Yes
Model Model Model Model Model Model Model Model Membrane organization Model Model Membrane organization Membrane organizatio			,	,	. ,								Yes
1.500.00 Age Canada Estada Salar Agencia. Agencia Agenci			21,446	31,886			No	No		No			No
1.5000 1		eal Estate Brokers				Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
44-9011 Sale Engineers 40,534 112-586 102-102 Yes Yes Pes Barbeler's degree 50 Yes Yes Market's Sale 40-901 102-102	. Re	ieal Estate Sales Agents	29,994	58,284	65,546	No	No	No		No		Yes	Yes
4.900 Soot-to-Born Silve Voters, Nove and Silve Veters, and Related Workson, and Related Workson. 20,232 31,376 31,566 10		ales Engineers	40,194	112,568	160,210	Yes	Yes	Yes		No		Yes	Yes
Sales and Related Workers, All Other 12,733 48,051 58,115 170 700			,	,	,					No			No
1-101 1-102 1-10					. ,								No
49-2013 Switchbaster Operators, Including Mawkening Service 26,672 33,348 36,990 No			,										Yes
43-2019 Teliphone Operators Al Childre 23,427 30,549 33,447 No No No No Ngh shood planear or equivalent No													Yes
4-2099 Communications Equipment Operators, All Other 2,566 47,995 55,289 No No No No High Schood diploman or equivalent No No No High Schood diploman or equivalent No No No High Schood diploman or equivalent No													No
43-0121 Bill and Account Collectors 30,765 42,119 46,048 No No No No High Schood diploma or equivalent Yes No No No No High Schood diploma or equivalent Yes No No No No High Schood diploma or equivalent Yes No No No No No High Schood diploma or equivalent Yes No No No No No No High Schood diploma or equivalent Yes No No No No No No No No No No No No No No			-,	,	,								No
8-3931 Billing and Posting Clerks 33,947 42,851 46,677 No													Yes No
43-3031 Sonkering and Audriting Circles 20,053 46,060 51,832 No													No
A-3-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-													No
Payoliand Timekeeping Gerks \$6,856 \$0,535 \$8,392 Ves No No Some college, no degree Ves Ves No No No No No No No N													No
43-3071 Follower Clerks 31,394 43,532 49,559 No No No No Associate's degree No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No									0				Yes
43-909													No
43-909	ı Te	ellers	34,893	39,560	43,445	No	No	No	High school diploma or equivalent	Yes		No	No
43-4021 Correspondence Clerks 32,628 35,443 39,514 No No No No High school diploma or equivalent Ves No) Fir	inancial Clerks, All Other	37,202	50,238	54,461	Yes	No	No	Some college, no degree	Yes		Yes	Yes
43-4031 Court, Municipal, and License Clerks 43-405 42-289 47-313 No		rokerage Clerks	45,759	51,003	49,481	Yes	No	No	Some college, no degree	Yes		Yes	No
43-491 Credit Authorizers, Checkers, and Clerks 40,359 48,723 50,909 Ves No No Some college, no degree Ves Ves Ves 43-4051 Customer Service Representatives 28,755 39,866 44,598 No No No No High school diploma or equivalent No No No No No No No N									High school diploma or equivalent	Yes		No	No
43-4051 Customer Service Regresentatives 28,755 39,896 44,558 No No No No High school diploma or equivalent No No No A3-4071 File Clerks 26,704 37,890 46,299 No No No No No High school diploma or equivalent No No No A3-4071 File Clerks 26,421 29,279 29,641 No No No No No High school diploma or equivalent No No No A3-4111 Interviewer, Except Eligibility and Loan 27,558 37,495 41,433 No No No No No High school diploma or equivalent No									Some college, no degree				No
43-4051 Bilgibility Interviewers, Government Programs 27,040 37,980 46,299 No No No No High school diploma or equivalent No No No Ad-40-4081 Hole, Motel, and Resort Desk Clerks 24,214 29,279 29,641 No No No No No High school diploma or equivalent No No No Ad-40-4081 Hole, Motel, and Resort Desk Clerks 24,214 29,279 29,641 No													No
43-4071 File Cierks 26,437 38,591 49,700 No									0				No
43-4081 Mote, Mote, and Resort Desk Clerks 24,214 29,279 29,641 No													No No
43-4111 Interviewers, Except Eligibility and Loan 27,598 37,495 41,433 No No No No No High school diploma or equivalent No No No 43-4121 Library Assistants, Clerical 24,717 32,222 33,055 No No No No No Some college, no degree No No No 43-4131 Loan Interviewers and Clerks 36,657 48,853 59,464 Ves No No No High school diploma or equivalent Ves Ves 43-4141 New Accounts Clerks 37,739 46,952 49,062 Ves No No No High school diploma or equivalent No No No No High school diploma or equivalent No No No No No High school diploma or equivalent No			., .										No No
43-4121 Library Assistants, Clerical 24,717 32,222 33,055 No				-, -	-,-								No
43-4131 Loan Interviewers and Clerks 36,657 49,853 59,464 Ves No No High school diploma or equivalent Ves Ves No No High school diploma or equivalent Ves Ves No No No High school diploma or equivalent Ves No No No No No No No N													No
43-411 New Accounts Clerks 37,739 46,952 49,062 Yes No No High school diploma or equivalent Yes No No No A3-4151 Order Clerks 29,956 41,712 47,957 No No No No No High school diploma or equivalent No No No No A3-4151 Human Resources Assistants, Except Payroll and Timekeeping 29,863 44,094 49,771 No No No No No No A3-4151 Human Resources Assistants, Except Payroll and Timekeeping 29,863 44,094 49,771 No No No No No No A3-4151 Receptionists and Information Clerks 23,523 31,958 35,634 No No No No High school diploma or equivalent No No No A3-4181 Reservation and Transportation Ticket Agents and Travel Clerks 23,523 41,742 48,159 No No No No High school diploma or equivalent No No No A3-45011 Cargo and Freight Agents 29,486 33,114 34,796 No No No No High school diploma or equivalent No No A3-5031 Public Safety Telecommunicators 29,486 33,114 34,796 No No No No High school diploma or equivalent Yes No No A3-5031 Public Safety Telecommunicators 34,477 42,782 48,170 No No No High school diploma or equivalent Yes No No A3-5031 Meter Readers, Littlities 30,944 42,661 48,561 No No No No High school diploma or equivalent Yes No No A3-5031 Postal Service Clerks 39,770 56,563 68,307 Yes No No No High school diploma or equivalent Yes No No A3-5031 Postal Service Mail Sorters, Processors, and Processing Machine Operators 36,026 52,019 67,163 No No No No High school diploma or equivalent Yes Yes 43-5051 Postal Service Mail Sorters, Processors, and Processing Machine Operators 36,026 52,019 67,163 No No No No High school diploma or equivalent Yes Yes Yes 43-5051 Postal Service Mail Sorters, Processors, and Processing Machine Operators 36,026 52,019 67,163 No No No No High school diploma													Yes
43-4151 Order Clerks 29,596 41,712 47,957 No No No No High school diploma or equivalent No													No
43-4151 Human Resources Assistants, Except Payroll and Timekeeping 29,863 44,094 49,771 Receptions and Information Clerks 23,523 31,968 35,644 No No No No No No No													No
43-4171 Receptionists and Information Clerks 23,523 31,968 35,634 No No No No High school diploma or equivalent No	. Ht	luman Resources Assistants, Except Payroll and Timekeeping	29,863		49,771								No
43-4181 Reservation and Transportation Ticket Agents and Travel Clerks 20,803 46,453 64,851 No No No No High school diploma or equivalent No No No 43-4019 Information and Record Clerks, All Other 28,157 41,742 48,159 No No No No No High school diploma or equivalent No No No 43-5011 Cargo and Freight Agents 32,981 51,573 63,035 No No No No No High school diploma or equivalent Yes Yes 43-5021 Couriers and Messengers 29,486 33,114 34,796 No No No No No High school diploma or equivalent No No No 43-5031 No No No No No No High school diploma or equivalent Yes No 43-5031 No No No No No No High school diploma or equivalent Yes No No 43-5041 No No No No No No No High school diploma or equivalent Yes No No No No No No No No No No No No No No No			23,523	31,968	35,634	No	No	No					No
43-5011 Cargo and Freight Agents 23,981 51,573 63,035	1 Re												Yes
43-5021 Couriers and Messengers 29,486 33,114 34,796 No No No No High school diploma or equivalent No	9 Inf		28,157	41,742	48,159	No	No	No		No		No	No
43-5031 Public Safety Telecommunicators 34,477 42,782 48,107 No No No No No High school diploma or equivalent Yes No													Yes
43-5012 Dispatchers, Except Police, Fire, and Ambulance 27,691 43,247 48,905 No No No High school diploma or equivalent No No No High school diploma or equivalent No No No High school diploma or equivalent Yes No No No High school diploma or equivalent Yes No No No High school diploma or equivalent Yes No No No High school diploma or equivalent Yes No No No No High school diploma or equivalent Yes No													No
43-5041 Meter Readers, Utilities 30,944 42,661 48,581 No No No High school diploma or equivalent Yes No 43-5051 Postal Service Clerks 39,770 55,563 68,307 Yes No No High school diploma or equivalent Yes Yes 43-5052 Postal Service Mail Carriers 39,645 56,509 71,344 Yes No Yes High school diploma or equivalent Yes Yes 43-5053 Postal Service Mail Sorters, Processors, and Processing Machine Operators 36,026 52,019 67,163 No No No No High school diploma or equivalent Yes Yes 43-5061 Production, Planning, and Expediting Clerks 32,081 53,253 63,261 No No No No No No No No No High school diploma or equivalent No No No No No No No High school diploma or equivalent No													No
43-5051 Postal Service Clerks 33,770 \$6,563 68,307 Yes No No High school diploma or equivalent Yes Yes													No No
43-5052 Postal Service Mail Carriers 39,645 56,509 71,344 Yes No Yes High school diploma or equivalent Yes Yes 43-5053 Postal Service Mail Sorters, Processors, and Processing Machine Operators 36,026 52,019 67,163 No No No No High school diploma or equivalent Yes Yes Yes 43-5061 Production, Planning, and Expediting Clerks 32,081 53,253 63,261 No No No No Some college, no degree Yes Yes Yes 43-5071 Shipping, Receiving, and Inventory Clerks 27,409 38,225 43,236 No No No No High school diploma or equivalent No No 43-5011 Weighers, Measurers, Checkers, and Samplers, Recordkeeping 25,572 36,390 39,724 No No No No High school diploma or equivalent No No 43-6012 Executive Secretaries and Executive Administrative Assistants 37,307 59,372 70,964 Yes No No <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>No</td></t<>													No
43-5053 Postal Service Mail Sorters, Processors, and Processing Machine Operators 36,026 52,019 67,163 No No No High school diploma or equivalent Yes Yes 43-5061 Production, Planning, and Expediting, Clerks 32,081 53,253 63,261 No No </td <td></td> <td>Yes</td>													Yes
43-5061 Production, Planning, and Expediting Clerks 32,081 53,253 63,261 No No No Some college, no degree Yes Yes 43-5071 Shipping, Receiving, and Inventory Clerks 27,409 38,225 43,236 No No No High school diploma or equivalent No No A3-5111 Weighers, Measurers, Checkers, and Samplers, Recordkeeping 25,572 36,390 39,724 No No No No High school diploma or equivalent No No No No High school diploma or equivalent No													Yes Yes
43-5071 Shipping, Receiving, and Inventory Clerks 27,409 38,225 43,236 No No No High school diploma or equivalent No No 43-5111 Weighers, Measurers, Checkers, and Samplers, Recordkeeping 25,572 36,390 39,724 No No No High school diploma or equivalent No No No 43-6011 Executive Secretaries and Executive Administrative Assistants 37,307 59,372 70,964 Yes No No Yes Some college, no degree Yes Yes 43-6012 Legal Secretaries and Administrative Assistants 31,841 50,992 63,252 No No No Some college, no degree Yes Yes			,	,	,								Yes
43-5111 Weighers, Measurers, Checkers, and Samplers, Recordkeeping 25,572 36,390 39,724 No No No High school diploma or equivalent No No 43-6011 Executive Secretaries and Executive Administrative Assistants 37,307 59,372 70,964 Yes No Yes Some college, no degree Yes Yes 43-6012 Legal Secretaries and Administrative Assistants 31,841 50,992 63,252 No No No Some college, no degree Yes Yes Yes Yes Yes Yes Yes Yes Yes			. ,	,	, .								No
43-6011 Executive Secretaries and Executive Administrative Assistants 37,307 59,372 70,964 Yes No Yes Some college, no degree Yes Yes 43-6012 Legal Secretaries and Administrative Assistants 31,841 50,992 63,252 No No No Some college, no degree Yes Yes													No No
43-6012 Legal Secretaries and Administrative Assistants 31,841 50,992 63,252 No No No Some college, no degree Yes Yes													Yes
													Yes
43-6013 Medical Secretaries and Administrative Assistants 30,179 37,977 39,634 No No No Some college, no degree Yes No		Medical Secretaries and Administrative Assistants	30,179	37,977	39,634	No	No	No	Some college, no degree	Yes		No	No

Component Comp	ages - Workforce Re	rkforce Region 15 Annual Wages (\$) by Occupation Wage Meets or Exceeds All Occupation Metric Wage Meets or Exceeds Educat Wage Meets or Exceeds All Occupation Metric Wage Meets or Exceeds Educat										
Company Comp	ay 2022											
Section Sect	Occupational Code	Occupational Title							Educational Requirement			Threshold
Section Sect		·		-			-		·		 	
1.00 1.00				,		No						No
2020 2020 Part		, ,	-, -	,-	. , .							No No
Section Common Comm			- 1, 100									No No
400 March Colon Control Co			,	,	,				-			No
Other Control Contro	43-9051											No
Section Production of Control Marker 1975 197			27,081	41,416	47,896	No	No	No		No	No	No
Section Sect					. , .							No
March Marc												No
			,	,	,							No No
40-201 Marchard Instantion												Yes
Second	45-2011											No
45.000 Security Sequence (Security Sequence (Se	45-2021	Animal Breeders	26,393	36,345	38,443	No	No	No	High school diploma or equivalent	No	No	No
Second Primer Notes and Education Configuration of Configuration Con			, .									No
Second												Yes
6.2006 Age-full-und Warrians, and Control of March 1995 199												No
March Marc												Yes Yes
66-601 Forest and Communicative Worksom 1,105												Yes
64-000 Ligging Enginemen Ciproration 2.126 1.0	45-4011											No
Section Use foreign relations 1,172 1,257 1,257 1,05						Yes			High school diploma or equivalent	Yes		No
Section Congreg Workson, All Other												No
Section Processing of Commission Tender and Extraction Workers 23,85 7,198 8,13,121 Vos. Vos. Vos. Vos. Vos. Vos. Vos. Vos.												No
Section Sect				-,	-,							No Yes
20211 Sectionscename Selectionscename 24.44												Yes
20201 Contention Learner 1,158 4,627 5,588 No			.,	-,	. ,							No
6-20-01 Cypret Intellies	47-2022	Stonemasons	28,442	45,351	56,308	No	No	No		No	No	Yes
20-2022 Foc Layers, Longer Carpet, Wood, and Intel [®] 180 Ro No No No No No No No			33,583				No	No	Postsecondary nondegree award	Yes	No	No
Procession Pro			,	. = , = = =	,===							Yes
Fig. 2011 Fig. and stone sterent 19,0214 14,700 18,000 10 10 10 10 10 10 10			,.	-,	,							Yes Yes
2-2031 Cement Mason and Converte Finishers				,	,							Yes
2-72-20 Fernazza Workers and Frimhers				,	-,							Yes
2-2012 Paring, Surfange, and Paringing Eugenet Operators 33,168 40,095 45,447 100	47-2053			49,188		Yes	No	No				No
2-2072 Pile Diver Operators 32,679 47,250 49,481 No No No No High schood digitoms or equivalent Yes No		Construction Laborers	27,662	36,904	39,085	No	No	No	No formal educational credential	Yes	Yes	Yes
2-2073 Operating figheners and Other Contraction Equipment Operators 34,494 47,004 49,878 No			. ,		-,							No
2-72-88 Dywall and Celling Tile Installers 22.25.25 38,900 47,237 No No No No No Communication Celling Tile Installers 27,955 4,955		·										No
Types												No Yes
Post												Yes
47-2131 States		1-1-1-1										Yes
47-2131 Insulation Workers, Refox, Ceiling, and Wall 29,444 43,101 48,520 No No No High schood lippions or equivalent Yes Yes 47-2141 Painters, Construction and Maintenance 30,461 40,850 46,288 No No No No No No No Formal educational condenshal Yes Yes 47-2142 Painters, Construction and Maintenance 30,461 40,850 42,288 No No No No No Formal educational condenshal Yes Yes 47-2143 Painters, Construction and Maintenance 30,912 33,784 43,848 No No No No No No Formal educational condenshal Yes Yes 47-2145 Publishers, and Staunafitiers 30,912 33,784 43,843 No No No No No No No Formal educational condenshal Yes Yes 47-2146 No	47-2121	Glaziers	31,442	42,920	47,359	No	No	No		Yes	No	No
47-2141 Pailners, Construction and Maintenance 30.461 40,850 46,268 No No No No No Formal educational credential Yes Yes 47-2151 Paperhagers 30,912 39,784 43,863 No No No No No Formal educational credential Yes Yes 47-2151 Pipelayers 30,912 39,784 43,863 No No No No No Formal educational credential Yes Yes 47-2151 Pipelayers 35,959 48,205 42,004 42,000 No No No No No Postsecondary nondegree award Yes Yes 47-2151 Pipelayers and Steamfitters 34,847 43,004 42,000 No		Insulation Workers, Floor, Ceiling, and Wall	29,444	43,101	48,520	No	No	No	High school diploma or equivalent	No	No	No
1-7-14/2 Paperhangers												Yes
Polity P			,	.,	.,							Yes
Public P			-,		-, -							Yes
Patterers and Stucco Missons 34,837 43,064 46,200 No												Yes No
A7-2111 Reinfercing Iron and Rebar Workers 2,748 42,713 45,768 No												Yes
47-2211 Sheet Metal Workers 34,848 45,773 50,479 No No No No High school diploma or equivalent Yes No No A7-2221 Solar Photovoltaic Installers 45,325 53,465 No No No No High school diploma or equivalent Yes No A7-2221 Solar Photovoltaic Installers 45,325 43,624 46,766 Yes No	47-2171	Reinforcing Iron and Rebar Workers	32,040	42,737	45,678		No					No
47-221 Structural Iron and Stele Workers 35,642 45,255 53,465 No No No No High school diploma or equivalent Yes No No No No No No No No No No No No No No		****							No formal educational credential	Yes		Yes
47-2011 Solar Photovoltali Installers Solar Photovoltali			. ,	-, -								No
47-3011 HelpersGrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters 20,800 33,494 36,953 No No No No No No No Tormal educational credential Ves Ves Ves No			,-	-,	,							No
47-3012 Helpers-Carpenters 14,414 15,165 18,22 1 No												No Yes
47-3013 Helpers-Electricians 26,729 34,252 36,838 30,041 No												Yes
47-3014 NelpersPainters, Paperhangers, Plasterers, and Stucco Masons 26,012 30,686 32,130 No		·				No						No
47-3016 Nelpers-Roofers 35,764 37,867 38,425 No	47-3014				32,130		No		No formal educational credential	Yes	No	No
47-3019 Helpers, Construction Trades, All Other 25,972 34,272 37,866 No												No
47-4011 Construction and Building Inspectors 37,924 62,945 77,289 72,89												Yes
49.595 81.016 100,197 100,19					,							Yes
47-4031 Fence Erectors 28,403 39,126 45,400 No No No No No Fence Erectors 28,403 39,126 45,400 No No No No No Fence Erectors 47-4041 Hazardous Materials Removal Workers 29,759 39,419 45,156 No No No No High school diploma or equivalent No No No No High school diploma or equivalent No No No No High school diploma or equivalent No No No No High school diploma or equivalent No			- ,-	. ,	,				, ,			Yes Yes
47-4041 Hazardous Materials Removal Workers 29,759 39,419 45,156 No No No No High school diploma or equivalent No												Yes
47-4051 Highway Maintenance Workers 30,215 36,990 35,219 No No No High school diploma or equivalent No No 47-4051 Ball-Tack Laying and Maintenance Equipment Operators 43,975 53,508 60,748 Yes No No No High school diploma or equivalent Yes Yes No 47-4071 Septic Tank Servicers and Sewer Pipe Cleaners 35,236 47,966 51,593 No No No No High school diploma or equivalent Yes No 47-4090 Miscellaneous Construction and Related Workers 31,766 43,659 47,153 No No No No High school diploma or equivalent Yes No 47-5011 Derrick Operators, Gil and Gas 33,766 43,659 47,153 No No<	47-4041											No
47-4071 Septic Tank Servicers and Sewer Pipe Cleaners 35,236 47,966 51,593 No No No No High school diploma or equivalent Yes No 47-4090 Miscellaneous Construction and Related Workers 31,766 43,659 47,153 No No No No No High school diploma or equivalent Yes No 47-5011 Derick Operators, Oil and Gas 33,379 48,268 59,655 No No No No No No No No No Formal educational credential Yes Yes 47-5012 Rotary Dill Operators, Oil and Gas 39,946 52,679 55,050 Yes No No No No No No Formal educational credential Yes Yes 47-5013 Service Unit Operators, Oil and Gas 52,981 60,923 Yes No No No No No No No Formal educational credential Yes Yes 47-5022 Excavating and Loading Machine and Dragline Operators, Surface Mining 31,216 42,951 48,265 No No No No High school diploma or equivalent Yes No		Highway Maintenance Workers	, .	36,990	35,219		No		High school diploma or equivalent			No
47-4090 Miscellaneous Construction and Related Workers 31,766 43,659 47,153 No												Yes
47-5011 Derrick Operators, Oil and Gas 33,379 48,268 59,655 No No No No formal educational credential Yes Yes 47-5012 Rotary Drill Operators, Oil and Gas 33,946 52,679 55,050 Yes No No No formal educational credential Yes Yes 47-5013 Service Unit Operators, Oil and Gas 36,423 52,981 60,923 Yes No No No No formal educational credential Yes Yes Yes 47-5013 Exvavating and Loading Machine and Oragline Operators, Surface Mining 31,216 42,951 48,265 No No No No High school diploma or equivalent Yes No 47-5023 Explosives Workers, Ordnance Handling Experts, and Blasters 53,624 68,575 81,681 Yes Yes Yes High school diploma or equivalent Yes Yes												No
47-5012 Rotary Drill Operators, Oil and Gas 39,946 52,679 55,050 Yes No No No formal educational credential Yes Yes 47-5013 Service Unit Operators, Oil and Gas 36,423 52,881 60,923 Yes No No No formal educational credential Yes Yes 47-5022 Exevating and Loading Machine and Dragline Operators, Surface Mining 31,216 42,951 48,265 No No No No High school diploma or equivalent Yes No 47-5022 Explosives Workers, Ordnance Handling Experts, and Blasters 32,075 52,992 58,657 No No No No High school diploma or equivalent Yes Yes 47-5032 Explosives Workers, Ordnance Handling Experts, and Blasters 53,624 68,575 81,661 Yes Yes Yes High school diploma or equivalent Yes Yes												No Yes
47-5013 Service Unit Operators, Oil and Gas 36,423 52,981 60,923 Yes No No No formal educational credential Yes Yes 47-5022 Exavating and Loading Machine and Dragline Operators, Surface Mining 31,216 42,951 48,265 No No No No High school diploma or equivalent Yes No 47-5022 Explosives Workers, Ordnance Handling Experts, and Blasters 32,075 52,992 58,657 No No No No High school diploma or equivalent Yes Yes 47-5032 Explosives Workers, Ordnance Handling Experts, and Blasters 53,624 68,575 81,681 Yes Yes Yes High school diploma or equivalent Yes Yes				,=	,							Yes
47-5022 Exavating and Loading Machine and Oragline Operators, Surface Mining 31,216 42,951 48,265 No No No High school diploma or equivalent Yes No 47-5023 Earth Drillers, Except Dil and Gas 32,075 52,992 58,657 No No No No High school diploma or equivalent Yes Yes 47-5023 Explosives Workers, Ordnance Handling Experts, and Blasters 53,624 68,575 81,681 Yes Yes Yes High school diploma or equivalent Yes Yes			,-	. ,	,							Yes
47-5032 Explosives Workers, Ordnance Handling Experts, and Blasters 53,624 68,575 81,681 Yes Yes Yes High school diploma or equivalent Yes Yes												No
												Yes
47-5041 Continuous Mining Machine Operators 26,793 39,272 43,448 No No No No No formal educational credential Yes Yes												Yes
	47-5041	Continuous Mining Machine Operators	26,793	39,272	43,448	No	No	No	No formal educational credential	Yes	Yes	Yes

Wages - Workforce Re May 2022	gion 15	Annual W	ages (\$) by Occupat	tion	Wage Meet	s or Exceeds All C	Occupation Metric		Wage	Meets or Exceeds Educ	ational Level Metric
•			Average Annual	High-Level Wage	Representative	Average Annu			Representa		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting W		Threshold
									ļ. ļ		
47-5043	Roof Bolters, Mining								.		
47-5044 47-5049	Loading and Moving Machine Operators, Underground Mining	34,979	39,604	43,917	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5049 47-5051	Underground Mining Machine Operators, All Other Rock Splitters, Quarry	34,979 36,004	39,604 65.314	43,917 87.121	No No	No Yes	No Yes	No formal educational credential No formal educational credential	Yes Yes	Yes Yes	Yes Yes
47-5051	Roustabouts, Oil and Gas	33,379	48,268	59,655	No	No	No No	No formal educational credential	Yes	Yes	Yes
47-5071	HelpersExtraction Workers	28.676	34.267	37,594	No	No	No	High school diploma or equivalent	No No	No No	No No
47-5099	Extraction Workers, All Other	27,125	43,741	42,756	No	No	No	High school diploma or equivalent	No	No	No
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	43.327	69.126	81.011	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	31,242	41,163	46,618	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	37,253	57,294	70,193	Yes	No	Yes	Associate's degree	No	No	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	32,295	55,056	65,252	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-2091	Avionics Technicians	31,870	48,511	57,803	No	No	No	Associate's degree	No	No	No
49-2092	Electric Motor, Power Tool, and Related Repairers	37,540	51,324	59,561	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	44,050	64,603	69,509	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	38,741	52,823	63,045	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	40,562	91,667	119,763	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	37,329	44,949	47,204	Yes	No	No	Postsecondary nondegree award	Yes	No	No
49-2097	Audiovisual Equipment Installers and Repairers	38,748	44,946	45,999	Yes	No	No	Postsecondary nondegree award	Yes	No	No
49-2098 49-3011	Security and Fire Alarm Systems Installers	31,899	47,286	57,209	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians Automotive Body and Related Repairers	47,990 30,914	82,610 47,261	108,121 48,947	Yes No	Yes No	Yes No	Associate's degree	Yes No	Yes Yes	Yes No
49-3021	Automotive Body and Related Repairers Automotive Glass Installers and Repairers	36,914	47,261	48,947	No	No	No	Postsecondary nondegree award High school diploma or equivalent	Yes	No Yes	No No
49-3022	Automotive Glass Installers and Repairers Automotive Service Technicians and Mechanics	29.120	47,779	59.647	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3023	Bus and Truck Mechanics and Diesel Engine Specialists	38,934	59.010	65.844	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	30,179	46,454	48.317	No	No	No	High school diploma or equivalent	No	No	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	38.012	54.827	63,335	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	36,540	52,464	58.338	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	33.749	52,070	59,493	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	29,086	44,883	57,577	No	No	No	High school diploma or equivalent	No	No	Yes
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	26,702	39,862	45,381	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	22,890	35,682	42,619	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	31,077	51,955	63,125	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	24,670	33,416	37,209	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	31,766	41,851	47,460	No	No	No	High school diploma or equivalent	Yes	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	32,872	49,628	53,830	No	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	36,703	49,790	58,356	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	20,800	37,360	47,122	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	37,237	56,080	64,392	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	35,992	47,626	52,927	No	No	No	High school diploma or equivalent	Yes	No	No
49-9044	Millwrights	40,487	56,710	65,388	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	25,525	33,828	37,194	No	No	No	High school diploma or equivalent	No	No	No
49-9051 49-9052	Electrical Power-Line Installers and Repairers Telecommunications Line Installers and Repairers	39,170	67,956	84,873	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052		37,162	52,358	60,427	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9062	Camera and Photographic Equipment Repairers Medical Equipment Repairers	39,272 31,622	52,191 49.644	58,221 51.172	Yes No	No No	No No	Associate's degree Associate's degree	No No	No No	No No
49-9063	Musical Instrument Repairers and Tuners	27,837	40,980	50,278	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	24.168	28.754	28.052	No	No	No	High school diploma or equivalent	No	No	No
49-9069	Precision Instrument and Equipment Repairers, All Other	47,341	61,349	64,983	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	28,617	41,743	48,132	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	47,127	66,465	77,052	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	29,378	43,731	49,641	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	38,589	51,976	55,674	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	31,005	44,075	47,401	No	No	No	High school diploma or equivalent	Yes	No	No
49-9095	Manufactured Building and Mobile Home Installers	21,329	30,159	38,160	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	32,481	50,493	58,630	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	46,122	61,801	69,783	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	HelpersInstallation, Maintenance, and Repair Workers	28,088	34,357	37,197	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	29,617	41,232	45,861	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	37,440	64,308	79,223	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	32,267	45,927	54,493	No	No	No	Postsecondary nondegree award	No	No	No
51-2021	Coil Winders, Tapers, and Finishers	37,278	51,734	59,655	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders,										
51-2028	Tapers, and Finishers	24,465	36,476	40,911	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	32,852	42,414	47,088	No	No	No	High school diploma or equivalent	Yes	No	No
51-2041	Structural Metal Fabricators and Fitters	29,756	43,416	49,704	No	No	No No	High school diploma or equivalent	No	No.	No
51-2051	Fiberglass Laminators and Fabricators	28,748	39,103	45,614	No	No	No	High school diploma or equivalent	No	No	No
51-2061 51-2090	Timing Device Assemblers and Adjusters Miscellaneous Assemblers and Fabricators	26.028	34.989	38.070	- I N-	NI-	N-	High sales distance as a social .	1 1	N-	N-
51-2090	Miscellaneous Assemblers and Fabricators Rakers	26,028	34,989 32,230	38,070 36,473	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
51-3021	Butchers and Meat Cutters	24,328	32,230 41.758	36,473 47.411	No No	No No	No No	High school diploma or equivalent No formal educational credential	1 1	Yes	No Yes
51-3021	Meat, Poultry, and Fish Cutters and Trimmers	28,632	41,758 36,851	47,411	No No	No	No No	No formal educational credential No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers Slaughterers and Meat Packers	25,428	27.310	41,463 28.344	No No	No No	No No	No formal educational credential No formal educational credential	Yes	Yes No	Yes No
51-3023	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	25,973	36.150	35,496	No	No	No	No formal educational credential	Yes	Yes	Yes
21-2021	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders Food Batchmakers	24,285	36,150	46.927	No	No	No	High school diploma or equivalent	No	No No	No No
51-3092		25,820			NU	INU	IVO	mgn school dipionia of equivalent	1 1	INU	
51-3092 51-3093	Food Cooking Machine Operators and Tenders	26 159	33 389	35.050	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders Food Processing Workers. All Other	26,159 23,383	33,388 32,580	35,050 37,734	No No	No No	No No	High school diploma or equivalent No formal educational credential	No No	No Yes	No Yes
	Food Cooking Machine Operators and Tenders Food Processing Workers, All Other Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and	26,159 23,383	33,388 32,580	35,050 37,734	No No	No No	No No	High school diploma or equivalent No formal educational credential	No No	No Yes	No Yes

Wages - Workforce Re May 2022	tegion 15	Annual W	ages (\$) by Occupat	ion	Wage Meet	e or Evenade All C	Occupation Metric		Wage Mer	te or Evenade Educ	ational Level Metric
vidy 2022			Average Annual	High-Level Wage	Representative	Average Annu			Representative		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
						•		·	<u> </u>	<u> </u>	
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	29,613	39,116	44,678	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	29,935	40,912	44,190	No	No	No	High school diploma or equivalent	No	No	No
	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and										
51-4031	Plastic	27,539	39,054	44,952	No	No	No	High school diploma or equivalent	No	No	No
F4 4000	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and										
51-4032	Plastic	29,427	54,913	81,579	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	25.054	24.667	24 201	No	No	No	High select distance as assistance	N-		N-
31*4033	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and	25,954	31,667	34,301	INO	NO	NO	High school diploma or equivalent	No	No	No
51-4034	Plastic	27,261	37.994	46.678	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	30,774	41,146	45,058	No	No.	No.	Postsecondary nondegree award	No	No	No
51-4041	Machinists	33.996	49,675	59,300	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	40,409	51,108	50,283	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-4052	Pourers and Casters, Metal	29,125	45,536	55,225	No	No	No	High school diploma or equivalent	No	No	Yes
51-4061	Model Makers, Metal and Plastic	32.257	50.805	59.128	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	26,354	49,303	76,183	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-4071	Foundry Mold and Coremakers	22,715	39,233	53,645	No	No	No	High school diploma or equivalent	No	No	No
	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders,	/	,	,					1 1		
51-4072	Metal and Plastic	24,566	36,989	41,602	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	31,627	37,210	40,715	No	No	No	High school diploma or equivalent	Yes	No	No
51-4111	Tool and Die Makers	32,367	46,968	53,674	No	No	No	Postsecondary nondegree award	No	No	No
51-4121	Welders, Cutters, Solderers, and Brazers	35.113	47,624	54,080	No	No	No	Postsecondary nondegree award	Yes	Yes	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	31,696	35,793	37,937	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders Metal and Plastic	24.354	39,789	46,249	No	No	No.	High school diploma or equivalent	No.	No	No
51-4192	Layout Workers, Metal and Plastic	33,135	46,619	51,371	No.	No	No	High school diploma or equivalent	Yes	No	No
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	29.359	39.282	43.780	No	No	No	High school diploma or equivalent	No No	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	26,871	35,955	37.955	No.	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	29,264	37,371	39,697	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	32,725	42,973	44,329	No.	No	No	Postsecondary nondegree award	Yes	No	No
51-5112	Printing Press Operators	27,218	41,873	48,426	No	No	No		No	No	No
51-5113	Print Binding and Finishing Workers	28,495	39.445	46,420	No.	No.	No.	High school diploma or equivalent	No.	No.	No.
51-6011	Laundry and Dry-Cleaning Workers	22,322	27.060	29,286	No	No	No	High school diploma or equivalent No formal educational credential	No No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	23,145	28,670	29,280	No	No	No.	No formal educational credential	No.	No	No
51-6031	Sewing Machine Operators	23,145	31.830	35.669	No	No	No	No formal educational credential	No No	No No	Yes
51-6031		22,899	32,179	36,326	No	No	No		No No	No No	No.
51-6042	Shoe and Leather Workers and Repairers Shoe Machine Operators and Tenders	26,412	32,179	30,326 45.146	No	No	No	High school diploma or equivalent	No No	No	No No
51-6051	Sewers, Hand	-,						High school diploma or equivalent			
51-6052	Tailors, Dressmakers, and Custom Sewers	21,514 30.496	29,076 33.963	29,642 35.482	No No	No No	No No	No formal educational credential No formal educational credential	No Yes	No Yes	No Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	22,519	26,969	27,564	No	No	No		No	No	No
51-6062		27.076	32,374	35.526	No	No	No	High school diploma or equivalent	No No	No	No
51-6063	Textile Cutting Machine Setters, Operators, and Tenders Textile Knitting and Weaving Machine Setters, Operators, and Tenders	26,930	30,969	33,721	No	No	No	High school diploma or equivalent High school diploma or equivalent	No	No	No
51-0003		20,930	30,969	33,721	NO	NO	NO	riigh school dipiorna or equivalent	INO	NO	INO
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	22,705	32,774	37,253	No	No	No	High cabout dialogue as assistated	No	No	No
31-0004	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and	22,703	32,774	37,233	NO	INU	NO	High school diploma or equivalent	INU	INU	INU
51-6091	Glass Fibers	32,969	57,440	81.696	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092		26,354	49,303	76,183	No	No	Yes		No	Yes	Yes
51-6092	Fabric and Apparel Patternmakers Upholsterers	26,523	49,303 35.146	40.385	No	No	No No	High school diploma or equivalent	No No	No.	No.
51-6099		26,695	33,340	37,184	No	No	No	High school diploma or equivalent	No	No	No
51-0099	Textile, Apparel, and Furnishings Workers, All Other							High school diploma or equivalent			
51-7011	Cabinetmakers and Bench Carpenters Furniture Finishers	30,479	41,569	46,460	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Model Makers, Wood	30,013	44,658	52,493	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Patternmakers, Wood	32,257	50,805	59,128	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
		25.705	24.005	20.054					+ +		
51-7041 51-7042	Sawing Machine Setters, Operators, and Tenders, Wood Woodworking Machine Setters, Operators, and Tenders, Except Sawing	26,785 20.800	34,096 29,573	38,951 33,074	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing Woodworkers, All Other	20,800	29,573	33,074	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
51-7099	·	-,-	. ,	. ,				High school diploma or equivalent			
	Nuclear Power Reactor Operators Power Distributors and Dispatchers	47,371	74,739	94,624	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012 51-8013	Power Plant Operators	64,966	95,407	108,466	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
	Power Plant Operators	58,765	82,851	97,238	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	29,575	52,902	64,247	No No	No	No	Postsecondary nondegree award	No V	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	33,184	54,144	64,713	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	40,824	60,475	65,470	Yes	Yes	No	Associate's degree	No	Yes	No
51-8092	Gas Plant Operators	31,811	51,579	63,902	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	48,849	63,318	79,279	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	46,439	59,836	75,980	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	29,813	47,276	59,569	No	No	No	High school diploma or equivalent	No	No	Yes
F4 0040	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,				1			1	1 1		
51-9012	Operators, and Tenders	30,157	45,184	51,984	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	27,588	43,858	46,359	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	27,788	34,706	37,740	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	30,128	38,817	43,749	No	No	No	High school diploma or equivalent	No	No	No
	Cutters and Trimmers, Hand	21,417	34,794	39,087	No	No	No	No formal educational credential	No	Yes	Yes
51-9031		28,596	38,701	39,551	No	No	No	High school diploma or equivalent	No	No	No
	Cutting and Slicing Machine Setters, Operators, and Tenders				1						
51-9032	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and			l			l				
51-9032 51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	27,727	37,999	42,914	No	No	No	High school diploma or equivalent	No	No	No
51-9032 51-9041 51-9051	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	29,925	38,326	43,019	No	No	No	High school diploma or equivalent	No	No	No
51-9032 51-9041 51-9051 51-9061	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders Inspectors, Testers, Sorters, Samplers, and Weighers	29,925 28,408	38,326 45,682	43,019 50,344	No No	No No	No No	High school diploma or equivalent Postsecondary nondegree award	No No	No No	No No
51-9032 51-9041 51-9051	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	29,925	38,326	43,019	No	No	No	High school diploma or equivalent	No	No	No

Wages - Workforce Re May 2022	gion 15	Annual W	Vages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All O	ccupation Metric	1	Wage Meet	or Exceeds Educa	tional Level Metric
			Average Annual	High-Level Wage	Representative	Average Annua			Representative	Average Annu	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-9082	Medical Appliance Technicians	27,678	44,916	56,892	No	No	No	Postsecondary nondegree award	No	No	Yes
51-9083	Ophthalmic Laboratory Technicians	27,759	33,555	35,204	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	23,270	35,286	40,792	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	24,607	35,048	41,438	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	31,075	43,876	48,805	No	No	No	High school diploma or equivalent	Yes	No	No
51-9141	Semiconductor Processing Technicians	37,155	46,756	49,586	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9151	Photographic Process Workers and Processing Machine Operators	29,732	34,232	34,523	No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	31,343	41,876	47,183	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	43,366	59,523	68,240	Yes	No	No	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	23,270	30,637	38,078	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	25,427	35,184	46,122	No	No	No	High school diploma or equivalent	No	No	No
51-9193 51-9194	Cooling and Freezing Equipment Operators and Tenders	26,939 30.614	44,648	47,556 36.114	No No	No	No	High school diploma or equivalent	No	No	No
	Etchers and Engravers		33,715			No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	30,774	39,105	42,833	No	No	No	High school diploma or equivalent	No	No	No
51-9196 51-9197	Paper Goods Machine Setters, Operators, and Tenders Tire Builders	27,501 28,335	35,134 36,667	37,988 39,624	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No No	No No	No No
51-9197	HelpersProduction Workers	28,335	30,007	39,624	No	No.	No.	V	No No	No No	No.
51-9199	Production Workers, All Other	23,096	32,845	43.930	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No No	No No	No No
53-1041	Aircraft Cargo Handling Supervisors	32.826	55.066	75,428	No	No	Yes	0	Yes	Yes	Yes
33-1041	First-Line Supervisors of Transportation and Material Moving Workers, Except	32,020	33,000	73,420	INO	INU	ies	High school diploma or equivalent	162	162	162
53-1047	Aircraft Cargo Handling Supervisors	36,819	60,513	74,693	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airciair Cargo Handing Supervisors Airline Pilots, Copilots, and Flight Engineers	59.604	208,312	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	54,512	106.823	124.817	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	90,210	139,016	159,973	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	38,029	46,445	51,342	Yes	No	No	Some college, no degree	Yes	No	No
53-2031	Flight Attendants	49,425	60,649	57,158	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	22,262	34,138	39,479	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	20.800	35,524	41,971	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	33,419	49,755	58,247	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	26,817	43,149	47,444	No	No	No	High school diploma or equivalent	No	No	No
53-3051	Bus Drivers, School	32,802	38,800	38,204	No	No	No	High school diploma or equivalent	Yes	No	No
53-3052	Bus Drivers, Transit and Intercity	33,558	47,487	58,003	No	No	No	High school diploma or equivalent	Yes	No	Yes
53-3053	Shuttle Drivers and Chauffeurs	22,947	33,994	36,314	No	No	No	High school diploma or equivalent	No	No	No
53-3054	Taxi Drivers	20,363	30,920	31,164	No	No	No	No formal educational credential	No	No	No
53-3099	Motor Vehicle Operators, All Other	21,824	30,107	33,167	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	55,215	67,070	72,456	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	31,418	52,669	50,737	No	No	No	High school diploma or equivalent	Yes	Yes	No
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	38,180	57,733	60,387	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	61,831	69,793	72,505	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	28,510	40,746	51,176	No	No	No	High school diploma or equivalent	No	No	No
53-4099	Rail Transportation Workers, All Other	40,258	40,931	40,268	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-5011	Sailors and Marine Oilers	37,993	52,062	52,260	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
53-5021	Captains, Mates, and Pilots of Water Vessels	42,417	99,122	133,494	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	27,798	44,327	51,947	No	No	No	Postsecondary nondegree award	No	No	No
53-5031	Ship Engineers	52,157	96,727	107,607	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	23,495	31,262	35,496	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	21,674	27,362	28,223	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	24,851	31,436	35,483	No	No	No	No formal educational credential	Yes	No	Yes
53-6032 53-6041	Aircraft Service Attendants Traffic Technicians	30,502	34,332	35,829	No	No	No	High school diploma or equivalent	No	No	No
53-6051		31,545	49,989	65,974	No	No	No	Associate's degree	No	No	No
	Transportation Inspectors	44,990	90,928	113,880	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061 53-6099	Passenger Attendants	21,235	26,284	35,672	No	No No	No No	High school diploma or equivalent	No No	No No	No No
53-7011	Transportation Workers, All Other Conveyor Operators and Tenders	20,800 30,680	25,641 33,996	25,491 34,846	No No	No	No	High school diploma or equivalent No formal educational credential	No Yes	Yes	Yes
53-7011	Crane and Tower Operators	40,747	64,602	80,329	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7021	Dredge Operators	34,843	46,180	48,093	Yes No	Yes No	Yes No	High school diploma or equivalent High school diploma or equivalent	Yes	Yes No	Yes No
53-7031	Hoist and Winch Operators	31,476	49,322	50,542	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	28.970	40,011	45,120	No	No	No No	No formal educational credential No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	22,522	31.324	33,979	No	No	No	No formal educational credential	No No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	26,757	35,652	38,769	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7062	Machine Feeders and Offbearers	27,560	32,944	34,784	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7064	Packers and Packagers, Hand	20,800	26,770	28,439	No	No	No	No formal educational credential	No No	No	No
53-7065	Stockers and Order Fillers	27,260	33,277	34.389	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	29,954	35,731	33.194	No	No	No	High school diploma or equivalent	No	No	No
53-7072	Pump Operators, Except Wellhead Pumpers	31.685	46,736	49,304	No	No	No	High school diploma or equivalent	Yes	No	No
53-7073	Wellhead Pumpers	29,954	35,731	33,194	No	No	No	High school diploma or equivalent	No	No	No
	The second secon	-,	41.108	47.341	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7081	Refuse and Recyclable Material Collectors	30.105									
53-7081 53-7121	Tank Car, Truck, and Ship Loaders	30,105 42,307	41,108 58.962	59,870	Yes	No	No	No formal educational credential	Yes	Yes	Yes

^{*} indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

Summary - Workforce Region 15

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
-	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	36,352	60,363	68,864	829
No formal educational credential	23,809	31,939	34,459	85
High school diploma or equivalent	30,939	48,257	55,192	236
Some college, no degree	30,069	46,832	54,144	49
Postsecondary nondegree award	32,466	47,188	54,628	90
Associate's degree	40,948	59,201	67,180	68
Bachelor's degree	50,547	95,088	110,727	185
Master's degree	54,688	82,669	94,704	43
Doctoral or professional degree	73,054	148,313	158,413	73

	Representative	Starting Wage	Average Ar	nual Wage	High-Level Wa	age Threshold
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric
All Occupations	506	323	506	323	499	330
No formal educational credential	38.82%	61.18%	35.29%	64.71%	32.94%	67.06%
High school diploma or equivalent	67.37%	32.63%	82.20%	17.80%	80.51%	19.49%
Some college, no degree	40.82%	59.18%	40.82%	59.18%	44.90%	55.10%
Postsecondary nondegree award	46.67%	53.33%	36.67%	63.33%	42.22%	57.78%
Associate's degree	64.71%	35.29%	50.00%	50.00%	45.59%	54.41%
Bachelor's degree	66.49%	33.51%	68.11%	31.89%	68.65%	31.35%
Master's degree	65.12%	34.88%	48.84%	51.16%	46.51%	53.49%
Doctoral or professional degree	78.08%	21.92%	65.75%	34.25%	58.90%	41.10%

Nages - Workforce Re Nay 2022	egion 16	Annual W	ages (\$) by Occupat	tion	Wage Meet	te or Evenade All (Occupation Metric	T	1	Wage Meets	or Exceeds Education	aal Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
11-1011	Chief Executives	83,249	324,579	*	Yes	Yes	Yes*	Bachelor's degree		Yes	Yes	Yes*
11-1021 11-1031	General and Operations Managers	36,942 20.800	96,855 76.809	127,795	Yes No	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-1031	Legislators Advertising and Promotions Managers	20,800 51.830	76,809 111.875	98,938 135.048	Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	-	No Yes	No Yes	Yes
11-2011	Marketing Managers Marketing Managers	64.823	133,335	160.823	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2022	Sales Managers	52,219	129.161	149,855	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2032	Public Relations Managers	60,139	109,976	132,370	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2033	Fundraising Managers	63,528	120.686	146.942	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3012	Administrative Services Managers	55,399	105,586	130,536	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3013	Facilities Managers	47,981	95,405	126,191	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	81,911	141,846	167,183	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3031	Financial Managers	42,515	146,954	173,497	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-3051	Industrial Production Managers	37,849	79,742	106,049	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
11-3061	Purchasing Managers	79,354	122,418	142,850	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	50,446	95,486	108,419	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	71,344	118,939	148,962	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3121	Human Resources Managers	66,370	114,643	133,116	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3131 11-9013	Training and Development Managers Farmers, Ranchers, and Other Agricultural Managers	60,847	108,599	132,087	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9013	Construction Managers	23,583	86,663	121,076	No	Yes	Yes	Bachelor's degree	-	No	Yes	Yes
11-9021		57,013 35,412	127,951 49.088	145,273 53,706	Yes Yes	Yes	Yes No	Bachelor's degree	-	Yes No	Yes No	Yes No
11-9031	Education and Childcare Administrators, Preschool and Daycare Education Administrators, Kindergarten through Secondary	53,288	49,088 79,617	97,870	Yes	Yes	Yes	Bachelor's degree Master's degree	1	No	No No	Yes
11-9032	Education Administrators, Kindergarten through Secondary Education Administrators, Postsecondary	53,288	105.147	127.893	Yes	Yes	Yes	Master's degree Master's degree	1	No	Yes	Yes
11-9033	Education Administrators, Postsecondary Education Administrators, All Other	32,499	71.008	86.080	Yes	Yes	Yes	Master's degree	1	No	No.	No.
11-9039	Architectural and Engineering Managers	102.563	175,811	218.399	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9051	Food Service Managers	35,360	66.628	80.446	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
11-9071	Gambling Managers	60,201	115.563	116.783	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
11-9072	Entertainment and Recreation Managers, Except Gambling	39.832	72,386	77,472	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9081	Lodging Managers	40,560	80,822	85,706	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9111	Medical and Health Services Managers	51,713	124,053	126,556	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9121	Natural Sciences Managers	41,766	89,661	103,922	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-9131	Postmasters and Mail Superintendents	74,193	89,892	98,352	Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	29,261	63,342	63,331	No	Yes	Yes	Bachelor's degree		No	No	No
11-9151	Social and Community Service Managers	39,507	64,030	75,798	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9161	Emergency Management Directors	48,883	87,804	104,938	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9171	Funeral Home Managers	45,683	78,945	79,989	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
11-9179	Personal Service Managers, All Other	46,785	76,466	92,048	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
11-9199	Managers, All Other	52,153	119,557	136,793	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	29,262	93,863	152,923	No	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-1020	Buyers and Purchasing Agents	32,370	63,416	69,858	No	Yes	Yes	Bachelor's degree		No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	39,597	67,110	79,435	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	48,259	67,119	76,730	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
13-1041 13-1051	Compliance Officers Cost Estimators	39,469	66,800	69,594	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1051	Human Resources Specialists	37,359 37,230	67,731 69,462	81,350 92,713	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		No No	No No	No No
13-1071	Farm Labor Contractors	23,583	86,663	121,076	No Yes	Yes	Yes	No formal educational credential	-	No	Yes	Yes
13-1074	Labor Relations Specialists	44.589	125.607	172.002	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-1073	Logisticians	38.480	63,103	77,945	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1082	Project Management Specialists	48,039	89.155	105.617	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1111	Management Analysts	37,440	81,447	102,119	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
13-1121	Meeting, Convention, and Event Planners	30,641	52,295	58.440	No	Yes	Yes	Bachelor's degree	1	No	No	No
13-1131	Fundraisers	35,908	55,890	67,880	Yes	Yes	Yes	Bachelor's degree	1	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	42,563	62,261	69,993	Yes	Yes	Yes	Bachelor's degree	1	No	No	No
13-1151	Training and Development Specialists	31,200	57,774	73,341	No	Yes	Yes	Bachelor's degree		No	No	No
13-1161	Market Research Analysts and Marketing Specialists	34,893	66,174	79,757	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1199	Business Operations Specialists, All Other	34,590	65,779	80,721	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2011	Accountants and Auditors	45,870	77,694	83,222	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
13-2020	Property Appraisers and Assessors	30,215	59,212	77,398	No	Yes	Yes	Bachelor's degree		No	No	No
13-2031	Budget Analysts	50,143	68,289	82,290	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
13-2041	Credit Analysts	52,594	90,462	102,354	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-2051	Financial and Investment Analysts	51,426	104,409	118,423	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-2052	Personal Financial Advisors	35,554	75,646	76,760	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2053	Insurance Underwriters	45,595	70,788	83,365	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
13-2054	Financial Risk Specialists	40,069	84,344	97,934	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-2061	Financial Examiners	44,733	71,063	102,296	Yes	Yes No	Yes No	Bachelor's degree	-	No	No No	Yes
13-2071 13-2072	Credit Counselors Loan Officers	36,915	44,609	46,378	Yes			Bachelor's degree	-	No		No
13-2072 13-2081	Tax Examiners and Collectors, and Revenue Agents	35,368 28,933	66,564 35,772	79,477 33.925	Yes No	Yes No	Yes No	Bachelor's degree	1	No No	No No	No No
13-2081	Tax Preparers	28,933 24,941	35,772 48,639	33,925 80,039	No No	No No	No Yes	Bachelor's degree Postsecondary nondegree award	1	No No	No Yes	No Yes
13-2082	Financial Specialists, All Other	24,941	48,639	80,039 52.806	No No	No No	Yes No	Bachelor's degree		No No	Yes No	Yes No
15-1211	Computer Systems Analysts	29,789 52,894	49,648 95,061	108,277	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	1	Yes	Yes	Yes
15-1211	Information Security Analysts	52,894	110.230	129,453	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	77,257	128.716	173.081	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
15-1231	Computer Network Support Specialists	36,296	63,512	69.344	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
15-1232	Computer User Support Specialists	33,193	56.162	66,128	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
15-1241	Computer Network Architects	53,520	98.802	128.310	Yes	Yes	Yes	Bachelor's degree	1	Yes	Yes	Yes
15-1242	Database Administrators	51,662	90,772	112,878	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1243	Database Architects	72,203	129,155	154,484	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
		1 ,2,200	,1	13-1,-10-7	1							

Wages - Workforce Re May 2022	egion 16	Annual M	ages (\$) by Occupat	tion	Wage Meet	s or Evenade All (Occupation Metric	1		Wago Moots	or Exceeds Education	anal Lovel Matris
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
15-1244	Network and Computer Systems Administrators	41,649	84,971	101,745	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
15-1251 15-1252	Computer Programmers	42,095 55,322	81,288 104.208	103,484 130,455	Yes	Yes	Yes	Bachelor's degree	1	No	No	Yes
15-1252 15-1253	Software Developers Software Quality Assurance Analysts and Testers	55,322 39,926	92.110	130,455	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		Yes No	Yes	Yes Yes
15-1253	Web Developers	47,533	92,110 84.872	107,767	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1255	Web and Digital Interface Designers	47,333	73.368	97.782	Yes	Yes	Yes	Associate's degree	1 1	No	Yes	Yes
15-1299	Computer Occupations, All Other	26,554	59,412	78,208	No	Yes	Yes	Bachelor's degree		No	No	No
15-2011	Actuaries	69,266	122,295	131,828	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2021	Mathematicians	39,028	92,741	127,535	Yes	Yes	Yes	Master's degree		No	Yes	Yes
15-2031	Operations Research Analysts	34,965	64,542	78,236	Yes	Yes	Yes	Bachelor's degree		No	No	No
15-2041	Statisticians	39,731	81,784	99,064	Yes	Yes	Yes	Master's degree		No	No	Yes
15-2051	Data Scientists	51,728	96,976	116,776	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2099	Mathematical Science Occupations, All Other											
17-1011	Architects, Except Landscape and Naval	60,606	102,797	103,867	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-1012	Landscape Architects	37,311	65,334	75,032	Yes	Yes	Yes	Bachelor's degree	1	No	No	No
17-1021 17-1022	Cartographers and Photogrammetrists	49,165	61,709	63,871	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-1022	Surveyors Aerospace Engineers	38,114 75,461	71,955 113,046	81,347 131,565	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		No Yes	No Yes	No Yes
17-2011	Agricultural Engineers	75,401	113,046	131,505	res	res	res	Bacrieior's degree	+	res	res	res
17-2021	Bioengineers and Biomedical Engineers	58,025	96,400	120,754	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
17-2041	Chemical Engineers	65,743	106,479	130,979	Yes	Yes	Yes	Bachelor's degree	1	Yes	Yes	Yes
17-2051	Civil Engineers	51,888	102,392	121,065	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	65,285	116,753	135,731	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
17-2071	Electrical Engineers	59,808	96,942	117,352	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	65,247	98,393	104,061	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2081	Environmental Engineers	76,293	93,795	111,688	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	48,854	83,179	101,913	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2112	Industrial Engineers	59,733	93,552	106,120	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	50,278	76,115	89,512	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2131	Materials Engineers	55,459	90,634	111,036	Yes	Yes	Yes	Bachelor's degree	1	Yes	Yes	Yes
17-2141 17-2151	Mechanical Engineers	56,753	85,207	100,297	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers Nuclear Engineers	45,312 79,130	94,380 114.051	106,157 123,613	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		No Yes	Yes	Yes Yes
17-2101	Petroleum Engineers	79,130 65.568	128.101	153,684	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2171	Engineers, All Other	50,440	80.369	95,648	Yes	Yes	Yes	Bachelor's degree	+	Yes	No	Yes
17-3011	Architectural and Civil Drafters	38,534	65,809	79,187	Yes	Yes	Yes	Associate's degree	1	No	Yes	Yes
17-3012	Electrical and Electronics Drafters	45,136	57,167	67,207	Yes	Yes	Yes	Associate's degree	1 1	Yes	Yes	Yes
17-3013	Mechanical Drafters	38,126	51,918	67,600	Yes	Yes	Yes	Associate's degree		No	No	Yes
17-3019	Drafters, All Other	35,672	54,113	61,528	Yes	Yes	Yes	Associate's degree		No	No	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	35,457	76,242	104,245	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	35,565	54,698	63,958	Yes	Yes	Yes	Associate's degree		No	No	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	37,351	50,128	58,748	Yes	No	Yes	Associate's degree		No	No	No
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	44,853	69,451	78,447	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	30,628	45,088	50,961	No	No	No	Associate's degree		No	No	No
17-3026	Industrial Engineering Technologists and Technicians	35,740	53,531	61,640	Yes	Yes	Yes	Associate's degree		No	No	No
17-3027	Mechanical Engineering Technologists and Technicians	38,258	58,386	65,197	Yes	Yes	Yes	Associate's degree	1	No	Yes	Yes
17-3028 17-3029	Calibration Technologists and Technicians Engineering Technologists and Technicians, Except Drafters, All Other	38,150 34,235	61,967 68,444	78,662 93,047	Yes Yes	Yes	Yes Yes	Associate's degree		No No	Yes	Yes Yes
17-3029	Surveying and Mapping Technicians	34,235	47,552	49,094	No Yes	No	No No	Associate's degree Associate's degree		No	No	No
19-1011	Animal Scientists	30,520	47,332	45,054	NO	NO	INU	Associate's degree	1 1	NO	NO	INU
19-1012	Food Scientists and Technologists	38.716	76,876	105.904	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	Yes
19-1013	Soil and Plant Scientists	38,882	81,033	101,064	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	Yes
19-1021	Biochemists and Biophysicists	39,126	85,687	107,992	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-1022	Microbiologists	35,526	58,426	71,568	Yes	Yes	Yes	Master's degree		No	No	No
19-1023	Zoologists and Wildlife Biologists	33,093	47,825	50,814	No	No	No	Master's degree		No	No	No
19-1029	Biological Scientists, All Other	41,309	59,482	57,200	Yes	Yes	No	Bachelor's degree		No	No	No
19-1031	Conservation Scientists	29,120	53,528	75,026	No	Yes	Yes	Bachelor's degree		No	No	No
19-1032	Foresters	37,378	51,403	60,083	Yes	No	Yes	Bachelor's degree		No	No	No
19-1041	Epidemiologists	56,474	84,994	100,020	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-1042	Medical Scientists, Except Epidemiologists	53,820	96,742	121,388	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-1099 19-2011	Life Scientists, All Other Astronomers	55,040	84,526	90,331	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	No
19-2011 19-2012	Astronomers Physicists	76,008 76,008	155,470 155,470	218,091 218,091	Yes Yes	Yes	Yes Yes	Doctoral or professional degree	+	No No	No No	Yes Yes
19-2012	Atmospheric and Space Scientists	76,008 61.079	155,470 81.911	218,091 88,243	Yes	Yes	Yes	Doctoral or professional degree Bachelor's degree	+	Yes	Yes	Yes No
19-2021	Chemists	37.914	65,146	78.484	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	1-1	No No	No.	No No
19-2032	Materials Scientists	67,197	113,329	132,579	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	36,546	68,383	71,838	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	47,068	89,951	108,372	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-2043	Hydrologists	42,287	66,553	79,374	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2099	Physical Scientists, All Other	44,161	105,377	130,560	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
19-3011	Economists	59,109	93,873	114,441	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
19-3022	Survey Researchers	51,615	98,332	124,705	Yes	Yes	Yes	Master's degree		No	Yes	Yes
19-3032	Industrial-Organizational Psychologists	72,622	124,979	151,235	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3033	Clinical and Counseling Psychologists	39,725	101,053	119,995	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3034	School Psychologists	51,948	57,701	63,905	Yes	Yes	Yes	Doctoral or professional degree	1 .	No	No	No
19-3039	Psychologists, All Other	70,059	107,276	122,678	Yes	Yes	Yes	Doctoral or professional degree	1 1	No	No	No
19-3041	Sociologists Urban and Regional Planners	28,637	57,274	49,615	No	Yes	No	Master's degree	1 1	No	No	No
19-3051	Urban and Regional Planners	47,648	68,674	77,834	Yes	Yes	Yes	Master's degree		No	No	No

Wages - Workforce Re May 2022	egion 16	Annual W	ages (\$) by Occupat	ion	Wage Meet	or Evenade All (Occupation Metric		Wage Me	ate or Evenode Educ	tional Level Metric
iviay 2022			Average Annual	High-Level Wage	Representative	Average Annu			Representative		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
19-3091 19-3092	Anthropologists and Archeologists Geographers	39,087	61,538	72,798	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Historians	35.126	70.163	95,502	Yes	Yes	Yes	Master's degree	No	No	Yes
19-3094	Political Scientists	33,120	70,103	33,302	103	1.03	163	muster's degree	110		103
19-3099	Social Scientists and Related Workers, All Other	50,099	82,279	87,298	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
19-4012	Agricultural Technicians	29,320	38,999	45,273	No	No	No	Associate's degree	No	No	No
19-4013	Food Science Technicians	31,789	51,498	70,944	No	No	Yes	Associate's degree	No	No	Yes
19-4021	Biological Technicians	29,516	43,053	49,546	No	No	No	Bachelor's degree	No.	No	No
19-4031 19-4042	Chemical Technicians Environmental Science and Protection Technicians, Including Health	30,235 27,662	46,947 37,222	49,411 46.624	No No	No No	No No	Associate's degree	No No	No No	No No
19-4043	Geological Technicians, Except Hydrologic Technicians	30,891	39,721	43,400	No.	No	No	Associate's degree Associate's degree	No	No	No
19-4044	Hydrologic Technicians	35,233	55,069	65,860	Yes	Yes	Yes	Associate's degree	No	No	Yes
19-4051	Nuclear Technicians	38,150	61,967	78,662	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
19-4061	Social Science Research Assistants	36,883	45,529	51,097	Yes	No	No	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	33,194	46,034	54,776	Yes	No	No	Associate's degree	No	No	No
19-4092 19-4099	Forensic Science Technicians Life, Physical, and Social Science Technicians, All Other	37,111 21,529	49,622 39.581	62,461 44.791	Yes No	No No	Yes No	Bachelor's degree	No No	No No	No No
19-5011	Occupational Health and Safety Specialists	42,622	80,165	99,601	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	No	No	Yes
19-5012	Occupational Health and Safety Technicians	39,360	60,826	67,812	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	35,916	54,432	64,205	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	33,301	44,278	47,429	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	24,595	44,657	47,174	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	35,338	51,934	59,808	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1019 21-1021	Counselors, All Other Child, Family, and School Social Workers	28,267 31,244	39,170 46,196	42,994 49,490	No No	No No	No No	Master's degree Bachelor's degree	No No	No No	No No
21-1021	Healthcare Social Workers	28.812	59.317	72,407	No	Yes	Yes	Master's degree	No No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	27,118	38,531	48,413	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	34,965	53,568	59,372	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	29,621	52,818	75,602	No	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	32,282	43,343	49,150	No	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	28,038	38,657	46,109	No	No	No	Some college, no degree	Yes	No	No
21-1094 21-1099	Community Health Workers	33,490 27,019	50,853 76,956	63,691 167,619	Yes No	No Yes	Yes Yes	Bachelor's degree	No No	No No	No Yes
21-2011	Community and Social Service Specialists, All Other Clergy	34,091	53,482	59,545	Yes	Yes	Yes	Bachelor's degree Master's degree	No No	No	No Yes
21-2021	Directors, Religious Activities and Education	30,155	48,531	63,361	No.	No	Yes	Bachelor's degree	No.	No	No
21-2099	Religious Workers, All Other	28,588	47,263	59,548	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	57,678	117,276	140,577	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	36,462	55,274	61,977	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	41,604	91,444	113,553	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022 23-1023	Arbitrators, Mediators, and Conciliators Judges, Magistrate Judges, and Magistrates	41,604	91,444	113,553	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-2011	Paralegals and Legal Assistants	34,403	55,344	63,970	Yes	Yes	Yes	Associate's degree	No	No	Yes
23-2093	Title Examiners, Abstractors, and Searchers	30,940	52,230	60,982	No.	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	27,040	77,523	153,171	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	48,401	85,967	97,413	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	47,068	88,887	110,148	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	48,664	66,013	83,041	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031 25-1032	Architecture Teachers, Postsecondary	37,867 45,917	100,479 88,136	125,984 121,251	Yes	Yes	Yes	Doctoral or professional degree	No No	No No	No No
25-1032	Engineering Teachers, Postsecondary Agricultural Sciences Teachers, Postsecondary	43,848	60,836	73,969	Yes Yes	Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	51,371	87,102	97,659	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	43,848	60,836	73,969	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	45,683	62,777	60,826	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	38,970	79,716	95,746	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053 25-1054	Environmental Science Teachers, Postsecondary Physics Teachers, Postsecondary	43,458	70,641	88,068	Yes	Yes	Yes	Doctoral or professional degree	No No	No No	No No
25-1054 25-1061	Physics Teachers, Postsecondary Anthropology and Archeology Teachers, Postsecondary	46,815 45,683	62,924 83,238	62,182 97,795	Yes Yes	Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	47,449	65,421	75,110	Yes	Yes	Yes	Doctoral or professional degree	No No	No	No No
25-1063	Economics Teachers, Postsecondary	45,907	58,133	53,371	Yes	Yes	No	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	45,683	62,777	60,826	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	44,327	62,416	57,635	Yes	Yes	No	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	46,561	79,940	90,926	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	46,756	98,459	117,593	Yes	Yes	Yes	Doctoral or professional degree	No No	No	No No
25-1069 25-1071	Social Sciences Teachers, Postsecondary, All Other	45,263 46,454	63,694 91,639	74,944 99,376	Yes	Yes	Yes Yes	Doctoral or professional degree Bachelor's degree	No Yes	No Ver	No Yes
25-1071	Health Specialties Teachers, Postsecondary Nursing Instructors and Teachers, Postsecondary	47,078	78,213	92,468	Yes Yes	Yes	Yes	Master's degree	No	Yes No	No
25-1072	Education Teachers, Postsecondary	37,018	72,915	83,706	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	47,302	72,456	79,842	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	41,741	56,855	59,450	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	44,278	137,936	203,962	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
25-1113	Social Work Teachers, Postsecondary	59,811	68,602	75,383	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121 25-1122	Art, Drama, and Music Teachers, Postsecondary Communications Teachers, Postsecondary	48,262 44,863	103,700 78.193	99,905 96,995	Yes Yes	Yes	Yes Yes	Master's degree	No No	Yes No	Yes No
25-1122	English Language and Literature Teachers, Postsecondary	44,863 43.390	78,193 67,061	96,995 76.808	Yes Yes	Yes	Yes Yes	Doctoral or professional degree	No No	No No	No No
25-1124	Foreign Language and Literature Teachers, Postsecondary	43,390	66,319	77,003	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No No	No	No No
		.,	54,337	47,820		Yes	No		No	No	No
25-1125	History Teachers, Postsecondary	41,038	54,537	47,020	Yes		140	Doctoral or professional degree	INU	INU	
	History Teachers, Postsecondary Philosophy and Religion Teachers, Postsecondary	41,038 46,480 37,018	76,646 72,915	79,737 83,706	Yes	Yes	Yes	Doctoral or professional degree	No	No No	No

Wages - Workforce Re Way 2022	egion 16	Annual W	ages (\$) by Occupat	tion	Waga Maat	s or Evenode All (Occupation Metric			Wage Mosts	or Evenode Educat	ional Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	42,980	73,334	77,354	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1194 25-1199	Career/Technical Education Teachers, Postsecondary Postsecondary Teachers, All Other	30,360 38,652	69,682 64,696	103,193 77,547	No	Yes	Yes	Master's degree		No	No	Yes
25-1199 25-2011	Preschool Teachers, Except Special Education	38,652 22.839	30.619	77,547 35,534	Yes No	Yes No	Yes No	Doctoral or professional degree Associate's degree		No No	No No	No No
25-2011	Kindergarten Teachers, Except Special Education	37.876	53,195	56,740	Yes	Yes	No	Bachelor's degree	-	No	No	No
25-2021	Elementary School Teachers, Except Special Education	48.286	50.602	49,696	Yes	No	No	Bachelor's degree	1 1	Yes	No	No
25-2021	Middle School Teachers, Except Special and Career/Technical Education	47,130	50,179	48,753	Yes	No	No	Bachelor's degree	1 1	Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	46,512	64.280	72,847	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	48,474	52,326	50,029	Yes	Yes	No	Bachelor's degree		Yes	No	No
25-2032	Career/Technical Education Teachers, Secondary School	48,701	52,066	48,883	Yes	Yes	No	Bachelor's degree		Yes	No	No
25-2051	Special Education Teachers, Preschool	38,166	49,857	61,310	Yes	No	Yes	Bachelor's degree		No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	33,926	48,160	49,351	Yes	No	No	Bachelor's degree		No	No	No
25-2057	Special Education Teachers, Middle School	49,537	52,638	61,491	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2058	Special Education Teachers, Secondary School	47,479	49,938	47,479	Yes	No	No	Bachelor's degree		Yes	No	No
25-2059	Special Education Teachers, All Other	30,919	45,614	49,222	No	No	No	Bachelor's degree		No	No	No
	Adult Basic Education, Adult Secondary Education, and English as a Second											
25-3011	Language Instructors	30,754	50,244	64,766	No	No	Yes	Bachelor's degree		No	No	No
25-3021 25-3031	Self-Enrichment Teachers Substitute Teachers Short-Term	23,482	36,336	48,066	No	No	No	Some college, no degree	-	No	No	Yes
25-3031	Tutors	21,076 22,545	72,544 38,818	38,404 48,419	No No	Yes No	No No	Bachelor's degree Bachelor's degree		No No	No No	No No
25-3041	Teachers and Instructors, All Other	22,545	38,818 52,982	48,419 62,909	No No	Yes	Yes			No No	No No	No No
25-4011	Archivists	28,253	52,982 45,888	54,796	No No	Yes No	Yes No	Bachelor's degree Master's degree	1 1	No	No	No No
25-4011	Curators	28,657 30.745	45,888 55,176	69,002	No No	Yes	Yes	Master's degree Master's degree	1 1	No No	No	No No
25-4013	Museum Technicians and Conservators	29.174	46.044	54.893	No	No.	No.	Bachelor's degree	1 1	No	No	No.
25-4022	Librarians and Media Collections Specialists	40.059	55,862	61.009	Yes	Yes	Yes	Master's degree	1 1	No	No	No
25-4031	Library Technicians	28,080	32,166	32,718	No	No	No	Associate's degree		No	No	No
25-9021	Farm and Home Management Educators	28,735	46,229	56,845	No	No	No	Master's degree		No	No	No
25-9031	Instructional Coordinators	48,084	55,988	63,413	Yes	Yes	Yes	Master's degree		No	No	No
25-9044	Teaching Assistants, Postsecondary	20,800	30,428	33,110	No	No	No	Bachelor's degree		No	No	No
25-9045	Teaching Assistants, Except Postsecondary	22,752	31,533	36,685	No	No	No	Some college, no degree		No	No	No
25-9099	Educational Instruction and Library Workers, All Other	36,874	56,724	61,545	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1011	Art Directors	48,464	86,614	97,639	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
27-1012	Craft Artists	20,744	33,496	38,628	No	No	No	Some college, no degree		No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	26,822	46,102	46,454	No	No	No	Bachelor's degree		No	No	No
27-1014	Special Effects Artists and Animators	45,166	64,660	74,213	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1019	Artists and Related Workers, All Other	25,827	49,712	57,811	No	No	No	Some college, no degree		No	Yes	Yes
27-1021	Commercial and Industrial Designers	22,761	58,807	75,895	No	Yes	Yes	Bachelor's degree		No	No	No
27-1022	Fashion Designers	36,521	65,948	77,549	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1023 27-1024	Floral Designers	23,661 35,743	33,340 50.346	35,233 57,739	No Yes	No	No	High school diploma or equivalent		No	No	No
27-1024	Graphic Designers Interior Designers	35,743	50,346	63,084	No Yes	No No	No Yes	Bachelor's degree		No No	No No	No No
27-1025	Merchandise Displayers and Window Trimmers	32,195 29,062	35,209	37,593		No	Yes No	Bachelor's degree			No No	No No
27-1020	Set and Exhibit Designers	35,604	45,010	46,600	No Yes	No	No	Some college, no degree Bachelor's degree	+ - 1	Yes No	No	No
27-1027	Designers, All Other	28.413	59.743	73,598	No	Yes	Yes	Bachelor's degree	-	No	No	No
27-2011	Actors	29,388	33,516	31,311	No	No	No	Some college, no degree	1 1	Yes	No	No
27-2012	Producers and Directors	32.813	65,650	76,629	No	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-2021	Athletes and Sports Competitors	24,773	63,206	62,855	No	Yes	Yes	Some college, no degree		No	Yes	Yes
27-2022	Coaches and Scouts	24,710	64,009	81,875	No	Yes	Yes	Bachelor's degree		No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	20,705	45,195	45,429	No	No	No	Some college, no degree		No	Yes	No
27-2031	Dancers	29,388	33,516	31,311	No	No	No	High school diploma or equivalent		No	No	No
27-2032	Choreographers	29,388	33,516	31,311	No	No	No	Some college, no degree		Yes	No	No
27-2041	Music Directors and Composers	30,979	68,456	81,277	No	Yes	Yes	Bachelor's degree		No	No	No
27-2042	Musicians and Singers	29,388	33,516	31,311	No	No	No	Some college, no degree		Yes	No	No
27-2091	Disc Jockeys, Except Radio	21,661	59,226	58,650	No	Yes	Yes	Bachelor's degree		No	No	No
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	21,661	59,226	58,650	No	Yes	Yes	Some college, no degree	1 .	No	Yes	Yes
27-3011	Broadcast Announcers and Radio Disc Jockeys	21,661	59,226	58,650	No	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-3023 27-3031	News Analysts, Reporters, and Journalists Public Relations Specialists	35,369	70,680	84,331	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No No
27-3031 27-3041	Public Relations Specialists Editors	35,229 29.660	62,450	76,200 66,724	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-3041 27-3042	Editors Technical Writers		53,935		No Vos	Yes	Yes	Bachelor's degree	1 1	No	No No	No No
27-3042 27-3043	Technical Writers Writers and Authors	45,499 39.317	63,818 73,856	72,934 77,728	Yes	Yes	Yes	Bachelor's degree	1 1	No No	No No	No No
27-3043	Writers and Authors Interpreters and Translators	39,317 38,104	73,856 70,668	77,728 83,904	Yes	Yes	Yes Yes	Bachelor's degree	1 1	No No	No No	No No
27-3091	Court Reporters and Simultaneous Captioners	38,104 27,521	70,668 49.858	62.286	Yes No	Yes No	Yes	Bachelor's degree Postsecondary nondegree award	+	No No	NO Yes	NO Yes
27-3092	Media and Communication Workers, All Other	27,521	49,858	52,286 57.030	No No	No No	Yes No	Associate's degree	1 1	No No	Yes No	Yes No
27-4011	Audio and Video Technicians	30.987	60.388	78.649	No	Yes	Yes	Associate's degree	1 1	No	Yes	Yes
27-4012	Broadcast Technicians	26,598	62,563	82,662	No	Yes	Yes	Associate's degree	1 1	No	Yes	Yes
27-4014	Sound Engineering Technicians	26,383	66,114	98,381	No	Yes	Yes	Associate's degree	1 1	No	Yes	Yes
27-4015	Lighting Technicians	29,262	48,083	59,177	No	No	Yes	Associate's degree		No	No	No
27-4021	Photographers	26,813	42,531	51,078	No	No	No	Some college, no degree	1 1	No	Yes	Yes
27-4031	Camera Operators, Television, Video, and Film	37,440	71,798	70,013	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-4032	Film and Video Editors	32,355	53,986	63,421	No	Yes	Yes	Bachelor's degree		No	No	No
27-4099	Media and Communication Equipment Workers, All Other	27,242	65,656	90,331	No	Yes	Yes	Associate's degree		No	Yes	Yes
29-1011	Chiropractors	45,497	85,902	97,561	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
29-1021	Dentists, General	125,721	152,510	155,457	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	No
29-1022	Oral and Maxillofacial Surgeons	51,254	221,789	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*
29-1023	Orthodontists	68,700	166,778	207,729	Yes	Yes	Yes	Doctoral or professional degree		No	Yes	Yes
29-1024	Prosthodontists	51,254	221,789	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*
29-1029	Dentists, All Other Specialists	51,254	221,789	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*
		•			•							

Properties Pro	Wages - Workforce Re	egion 16	A	/ (¢) b 0	d	W M	F d- All /	O			14/ 844-	F d- Fd	
Nome	May 2022									 		Average Annua	
2000 Commerce 1,000 Comm	Occupational Code	Occupational Title							Educational Requirement				Threshold
Second									·				
Manuscale				,	,===								No
				. ,									Yes No
1.00 Personne 1.00 1.0			,	,	,								Yes
Second Company Seco			,	, .	,								Yes
19-10-19-19-19-19-19-19-19-19-19-19-19-19-19-													Yes
20.125			-,		,								No
19.11													Yes
Second Column	29-1125	Recreational Therapists	31,078	47,814	58,184	No	No	Yes		N	No	No	No
20.11	29-1126	Respiratory Therapists	63,838	71,860	76,135	Yes	Yes	Yes	Associate's degree	Y	'es	Yes	Yes
19-11-15 Marsan, Add Humber 19-15 19-1	29-1127	Speech-Language Pathologists	66,628	94,007	102,540	Yes	Yes	Yes		Υ	'es	Yes	Yes
1931 Manifesting							Yes	No	Master's degree				No
1911 1912 1912 1913 1914 1915 1915													No
1921-15													No
23-121 March Mahous													No
Section Sect													Yes
2-141													Yes
20.2007 Manufacelespack 120,277 120,250 100													Yes No
19.50 Continospin					104,021								Yes*
2011 Sommakingster Control of the property Meelline Property					*								Yes*
\$2.110					*								Yes*
20.11 From Machine Proposer 1.0.0 177.998 28.129 19.1					*								Yes*
23-236 General Internative Microlan Proposation 50,777 23.13.65 * * * * * * * * *					228,279								Yes
Section Sect	29-1216	General Internal Medicine Physicians	60,757	253,655	*	Yes	Yes	Yes*	Doctoral or professional degree	N	No	Yes	Yes*
23-1212 Pediatricans, General 111/24 130,009 23,04,074 Ves				,	*				Doctoral or professional degree				Yes*
20-2222 Psychotrapits 99,995 248,474 Ves V			,		*				Doctoral or professional degree				Yes*
20.1232 Psychiatrists					232,443		Yes	Yes	Doctoral or professional degree	Y	'es	Yes	Yes
\$2.12.29 Paymoran, All Other 123,006 79,007 1 76 76 76 76 76 76 76			,		*								Yes*
2012-12 Physicians, Al Other 129,206 277,007 1 1 1 1 1 1 1 1 1					*								Yes*
20-22-12 Ophenbarkouppen, Except Predance 96,532 12,746 * * * * * * * * * * * * * * * * * *			,	,									Yes*
20-12-13 Orthogenic teapron. Energe Presents: 63,421 131,867 ** ** ** ** ** ** **		, .	-,	,	*								Yes* Yes*
2-24-28 Pedartis Suggeon 18,421 131,647 100			,	,	*								Yes*
22-289 Surgeon, Al Other					*								Yes*
20.1322 Delignostic Personal Registration Person					*								Yes*
20-1292 Devial Hygiqueinst		•			53.264								No
20-239 Heathbrant Diagnosting or Treating Particitioners, All Other 30,852 54,132 70,154 No													Yes
2-2010 Clinical Laboratory Technologists and Technicians 31,084 53,282 71,500 No Yes Yes Associate's degree No Yes Yes Associate's degree No Yes Yes Associate's degree No Yes Yes Associate's degree No Yes Yes Yes Associate's degree No Yes			30,852	54,132	70,154			Yes				No	No
2-2032 Dagnost Keefcal Snorgraphers 61,255 73,041 80,960 Ves Ves	29-2010	Clinical Laboratory Technologists and Technicians	31,084	53,282	71,900	No	Yes	Yes		N	No	No	Yes
20.233 Nuclear Medicine Technologies 16.7.280 84.191 85.638 70.906 70.	29-2031	Cardiovascular Technologists and Technicians	31,025	57,827	77,679	No	Yes	Yes	Associate's degree	N	No	Yes	Yes
2-2-234 Fadiologist sent chericians 48,344 62,258 70,096 Ves Ves						Yes	Yes	Yes		Y	es es	Yes	Yes
29-2035 Magnetic Resonance Imaging Technologists 63,334 71,999 79,000 Ves Ves Ves Ves Pes 29-2046 Postsecondary nondegree award 1 No No No No No No No													Yes
29-2036 Medical Dosimetrists 98,566 124,696 138,619 Ves Ves Ves Postsecondary nondegree award No No No 29-2043 Parametics 40,756 57,624 74,075 Ves Ves Ves Postsecondary nondegree award No No No 29-2043 Parametics 28,766 35,777 37,574 No													Yes
29-20/22 Emergeny Medical Technicians 29.395 41,398 48,818 No No No No Postsecondary nondegree award Ves Ves 29-2051 Dietett Erchnicians 28,766 35,277 37,524 No													Yes
29-2043 Parameles													Yes
29-2051 Dieteric Ferbincians 28,766 39,277 37,524 No			-,	,	-,								No
29.505.2 Pharmary Technicians 29.589 37.084 39.630 No No No No Polytecondary pondegree award No													Yes No
Psychiatric Technicians Psychiatric Tech													No
29.2055 Surgical Technologists and Technicians 27.596 33.024 62.205 Yes Yes Yes Postsecondary nondegree award Yes Yes Postsecondary nondegree award Yes No No No No No No No N													No
29-2056 Veterinary Technologists and Technicians 29,282 38,041 45,569 No No No Associate-dagree ward 1 / 20 / 20 / 20 / 20 / 20 / 20 / 20 /	29-2055												Yes
29-2057 Ophthalmic Medical Technicians 31,610 41,338 47,482 No No No Postsecondary nondegree award Yes No 29-2051 Liensed Practical and Liensed Practical Liensed Practical and Liensed Practical and Liensed Practical and Liensed Practical And Liensed Practical Practica									, , , , , , , , , , , , , , , , , , , ,				No
29-2061 Ucensed Practical and Ucensed Vocational Nurses 39,098 50,285 56,415 Ves No No No Postsecondary nondegree award Ves Ves 29-2081 Opticians, Dispensing 31,165 50,686 58,645 No No No Ves Postsecondary nondegree award Ves Ve	29-2057												No
29-2072 Medical Records Specialists 31,100 46,327 48,729 No				50,285	56,415	Yes	No	No				Yes	Yes
29-2081 Opticians, Dispensing S1,165 S0,686 S8,645 No No Yes Postsecondary nondegree award Yes Yes Yes	29-2072		31,100		48,729		No	No					No
29-2091 Orthotists and Prosthetists A1,604 81,452 94,693 Ves Yes Yes Master's degree No No No No Part of Stand Fronticians, All Other A1,604 81,452 94,693 Ves Yes Yes Pes Postsecondary nondegree award Yes Y												Yes	Yes
29-2093 Helath Technologists and Technicians, All Other 31,665 43,964 50,520 No No No No Postsecondary nondegree award Yes Yes 29-9021 Health Information Technologists and Medical Registrars 34,903 54,066 65,700 Yes Yes Yes Yes Postsecondary nondegree award Yes Ye		Orthotists and Prosthetists					Yes	Yes					Yes
29-9021 Helath Information Technologists and Medical Registrars 34,903 54,060 65,700 Yes Yes Yes Postsecondary nondegree award Yes Yes													Yes
29-9091													Yes
29-9092 Genetic Counselors So,191 86,614 100,479 Yes Yes Yes Yes Master's degree No Yes Yes 29-9033 Surgical Assistants 34,334 51,778 42,049 Yes No No No Postsecondary nondegree award Yes Ye													Yes
29-9093 Surgical Assistants 34,334 51,778 42,049 Yes No No Postsecondary nondegree award Yes Yes 29-9099 Healthcare Practitioners and Technical Workers, All Other 30,862 48,880 \$8,034 No													No
29-9099 Healthcare Practitioners and Technical Workers, All Other 30,862 48,880 58,034 No No No No No High school diploma or equivalent No				,									Yes No
31-1120 Home Health and Personal Care Aides 22,433 28,502 30,643 No No No No High school diploma or equivalent No			. ,	. , .									No Yes
31-1131 Nursing Assistants 26,807 32,625 35,189 No No No Postsecondary nondegree award No No No No No Postsecondary nondegree award No				,									No
31-1132													No
31-1133 Psychiatric Aldes 26,188 31,750 33,789 No No No No High school diploma or equivalent No													No
31-2011 Occupational Therapy Assistants 50,701 6A,030 73,383 Yes Yes Yes Associate's degree Yes Ye													No
31-2012 Occupational Therapy Aides 29,213 54,659 66,61 No Yes Yes Postsecondary nondegree award No Yes 31-2021 Physical Therapist Assistants 50,990 67,563 76,512 Yes Yes Yes Associate's degree Yes Yes Yes No													Yes
31-2021 Physical Therapist Assistants 50,990 67,563 76,512 Yes Yes Yes Associate's degree Yes													Yes
31-2022 Physical Therapits Aides 22,676 30,696 33,08 No No No Postsecondary nondegree award No No 31-9011 Massage Fhrapists 51,269 51,269 57,068 No No No No Postsecondary nondegree award Yes Yes 31-9091 Dental Assistants 38,878 46,924 48,083 Yes No No No Postsecondary nondegree award Yes Yes 31-9092 Medical Assistants 30,114 37,442 39,782 No No No No Postsecondary nondegree award Yes Yes 31-9093 Medical Requipment Preparers 29,785 37,694 43,269 No No No No High school diplomar or equivalent Yes No	31-2021		,	67,563						Y	'es	Yes	Yes
31-9011 Massage Therapits 31,826 51,269 57,068 No No No Postsecondary nondegree award Yes Yes 31-9091 Detnal Assistants 38,878 46,924 48,083 Yes No No No Postsecondary nondegree award Yes Yes No 31-9092 Medical Assistants 30,114 37,442 39,782 No No No Postsecondary nondegree award Yes No 31-9093 Medical Equipment Preparers 29,785 37,694 43,269 No No No High school diploma or equivalent Yes No	31-2022		22,676	30,696	33,038			No		N	No	No	No
31-9091 Dental Assistants 38,878 46,924 48,083 Yes No No Postsecondary nondegree award Yes Yes 31-9092 Medical Assistants 30,114 37,442 39,782 No No No No Hgstscondary nondegree award Yes No 31-9093 Medical Equipment Preparers 29,785 37,694 43,269 No No No High school diploma or equivalent Yes No	31-9011		31,826	51,269	57,068					Υ	'es	Yes	Yes
31-9093 Medical Equipment Preparers 29,785 37,694 43,269 No No No High school diploma or equivalent Yes No			38,878	46,924		Yes		No		Υ	'es		No
													No
31-9094 Medical Transcriptionists 28,949 33,794 36,729 No No No Postsecondary nondegree award No No													No
	31-9094	Medical Transcriptionists	28,949	33,794	36,729	No	No	No	Postsecondary nondegree award	N	No.	No	No

Wages - Workforce Re Way 2022	egion 16	Annual W	ages (\$) by Occupat	tion	Wage M	eets or Exceeds All C	Occupation Matric	1		Maga Magts	or Evenode Educa	tional Level Metric
viay 2022			Average Annual	High-Level Wage	Representative				Re	epresentative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		tarting Wage	Wage	Threshold
31-9095	Pharmacy Aides	23,066	33,223	38,921	No	No	No	High school diploma or equivalent	N		No	No
31-9096 31-9097	Veterinary Assistants and Laboratory Animal Caretakers	27,436	33,336	36,132	No	No	No	High school diploma or equivalent	No		No	No
31-9097 31-9099	Phlebotomists Healthcare Support Workers, All Other	30,858 28,053	37,387 41.227	37,921 45.988	No No	No No	No No	Postsecondary nondegree award	Ye No		No No	No No
33-1011	First-Line Supervisors of Correctional Officers	42,099	45,940	47,050	Yes	No	No	High school diploma or equivalent	Ye		Yes	Yes
33-1011	First-Line Supervisors of Police and Detectives	61.923	87.541	103,404	Yes	Yes	Yes	Some college, no degree Bachelor's degree	Ye		Yes	Yes
33-1022	First-Line Supervisors of Firefighting and Prevention Workers	53,373	73,487	83,835	Yes	Yes	Yes	Associate's degree	Ye		Yes	Yes
33-1091	First-Line Supervisors of Security Workers	30,734	48.163	56,613	No	No	No	Bachelor's degree	N.		No	No
33-1099	First-Line Supervisors of Protective Service Workers, All Other	44,194	63,515	75,262	Yes	Yes	Yes	Some college, no degree	Ye		Yes	Yes
33-2011	Firefighters	31,447	43,533	51,226	No	No	No	Postsecondary nondegree award	Υe	es	Yes	Yes
33-2021	Fire Inspectors and Investigators	44,916	60,050	67,742	Yes	Yes	Yes	Postsecondary nondegree award	Ye	es	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	54,308	89,307	100,820	Yes	Yes	Yes	Some college, no degree	Ye	as	Yes	Yes
33-3011	Bailiffs	28,471	54,025	63,626	No	Yes	Yes	High school diploma or equivalent	N	0	Yes	Yes
33-3012	Correctional Officers and Jailers	38,750	43,676	46,071	Yes	No	No	High school diploma or equivalent	Ye	≙S	No	No
33-3021	Detectives and Criminal Investigators	38,351	54,129	61,216	Yes	Yes	Yes	Some college, no degree	Ye		Yes	Yes
33-3031	Fish and Game Wardens	26,383	28,608	28,774	No	No	No	Bachelor's degree	N ₁		No	No
33-3041	Parking Enforcement Workers	30,979	39,741	41,360	No	No	No	High school diploma or equivalent	Ye		No	No
33-3051 33-3052	Police and Sheriff's Patrol Officers	48,358	61,953	63,067	Yes	Yes	Yes	Associate's degree	Ye		Yes	No
33-9011	Transit and Railroad Police Animal Control Workers	58,269 35,663	72,398 39,075	59,421 39,772	Yes	Yes No	Yes	Associate's degree	Ye		Yes	No No
33-9011		35,663			Yes		No No	Postsecondary nondegree award	Ye		No	
33-9021	Private Detectives and Investigators Gambling Surveillance Officers and Gambling Investigators	27.681	51,158 34,765	56,413 37,682	No No	No No	No No	Bachelor's degree High school diploma or equivalent	No.		No No	No No
33-9031	Security Guards	27,681	34,765	37,682	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No.		No No	No No
33-9032	Crossing Guards and Flaggers	23,411	28.007	34,672 29.471	No No	No No	No No	No formal educational credential	No.		No No	No No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	20,800	23,970	26,922	No No	No	No No	No formal educational credential No formal educational credential	N		No	No
33-9093	Transportation Security Screeners	34.423	42,795	46,737	Yes	No	No	High school diploma or equivalent	Ye		No	No.
33-9094	School Bus Monitors	23,144	30,524	36,646	No	No	No	High school diploma or equivalent	N		No	No
33-9099	Protective Service Workers, All Other	26,468	34,252	43,637	No	No	No	High school diploma or equivalent	N		No	No
35-1011	Chefs and Head Cooks	36,872	54,430	63,375	Yes	Yes	Yes	Associate's degree	N		No	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	27,441	40,287	46,966	No	No	No	High school diploma or equivalent	N		No	No
35-2011	Cooks, Fast Food	22,059	26,107	29,350	No	No	No	No formal educational credential	N		No	No
35-2012	Cooks, Institution and Cafeteria	25,421	33,696	37,944	No	No	No	No formal educational credential	Ye	es	Yes	Yes
35-2013	Cooks, Private Household	31,564	57,430	70,768	No	Yes	Yes	Postsecondary nondegree award	Ye		Yes	Yes
35-2014	Cooks, Restaurant	27,019	32,305	35,106	No	No	No	High school diploma or equivalent	N	0	No	No
35-2015	Cooks, Short Order	25,330	28,846	32,304	No	No	No	No formal educational credential	Υe	es	No	No
35-2019	Cooks, All Other	26,510	32,716	34,618	No	No	No	No formal educational credential	Ye	es	Yes	Yes
35-2021	Food Preparation Workers	24,275	31,091	35,164	No	No	No	No formal educational credential	Ye	es	No	Yes
35-3011	Bartenders	21,284	33,833	36,261	No	No	No	No formal educational credential	N-	0	Yes	Yes
35-3023	Fast Food and Counter Workers	22,144	26,531	28,239	No	No	No	No formal educational credential	N	0	No	No
35-3031	Waiters and Waitresses	21,213	32,601	36,214	No	No	No	No formal educational credential	N		Yes	Yes
35-3041	Food Servers, Nonrestaurant	21,849	26,801	29,120	No	No	No	No formal educational credential	N	0	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	21,039	27,497	29,776	No	No	No	No formal educational credential	N		No	No
35-9021	Dishwashers	22,335	27,394	28,718	No	No	No	No formal educational credential	N ₁		No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	21,484	28,619	29,664	No	No	No	No formal educational credential	Ne		No	No
35-9099	Food Preparation and Serving Related Workers, All Other	21,651	27,554	28,188	No	No	No	No formal educational credential	N		No	No
37-1011 37-1012	First-Line Supervisors of Housekeeping and Janitorial Workers	27,896	44,928	52,565	No	No	No	High school diploma or equivalent	No		Yes	Yes
37-1012 37-2011	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	35,308 22,501	50,482 28,429	59,042 31,213	Yes No	No No	Yes No	Some college, no degree	Ye No		Yes No	Yes No
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners				No No			High school diploma or equivalent				
37-2012	Maids and Housekeeping Cleaners Building Cleaning Workers, All Other	22,473 23,846	27,491 29,681	29,292 32,394	No	No No	No No	No formal educational credential	No Ye		No No	No No
37-2021	Pest Control Workers	30,208	40,999	45,527	No	No	No	No formal educational credential High school diploma or equivalent	Ye		No	No
37-3011	Landscaping and Groundskeeping Workers	27.040	32.003	34.908	No	No	No	No formal educational credential	Ye		Yes	Yes
37-3011	Pesticide Handlers, Sprayers, and Applicators, Vegetation	23,597	37,978	45,921	No	No	No	High school diploma or equivalent	No.		No	No
37-3012	Tree Trimmers and Pruners	25,602	41,550	48,319	No	No	No	High school diploma or equivalent	N		No	No
37-3019	Grounds Maintenance Workers, All Other	,	,	,	-	-		3	1 1		-	-
39-1013	First-Line Supervisors of Gambling Services Workers	32,198	56,328	69,129	No	Yes	Yes	Some college, no degree	Ye	es	Yes	Yes
	First-Line Supervisors of Entertainment and Recreation Workers, Except	1		,	-							
39-1014	Gambling Services	29,114	52,675	62,184	No	Yes	Yes	Some college, no degree	Ye	es	Yes	Yes
39-1022	First-Line Supervisors of Personal Service Workers	29,483	46,194	56,440	No	No	No	Some college, no degree	Ye		Yes	Yes
39-2011	Animal Trainers	26,393	36,345	38,443	No	No	No	High school diploma or equivalent	N		No	No
39-2021	Animal Caretakers	24,284	30,464	30,893	No	No	No	High school diploma or equivalent	N		No	No
39-3011	Gambling Dealers	20,948	34,345	46,385	No	No	No	High school diploma or equivalent	N		No	No
39-3012	Gambling and Sports Book Writers and Runners	20,909	27,905	30,023	No	No	No	High school diploma or equivalent	N		No	No
39-3019	Gambling Service Workers, All Other	20,295	31,603	36,745	No	No	No	High school diploma or equivalent	N	0	No	No
39-3021	Motion Picture Projectionists	31,047	37,526	41,956	No	No	No	No formal educational credential	Ye		Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	20,919	25,710	27,681	No	No	No	No formal educational credential	N		No	No
39-3091	Amusement and Recreation Attendants	20,807	25,542	27,195	No	No	No	No formal educational credential	N		No	No
39-3092	Costume Attendants	25,232	40,531	47,166	No	No	No	High school diploma or equivalent	N		No	No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	22,110	29,554	32,316	No	No	No	High school diploma or equivalent	N		No	No
39-3099	Entertainment Attendants and Related Workers, All Other	22,724	28,286	28,335	No	No	No	High school diploma or equivalent	N		No	No
39-4011	Embalmers	31,876	45,556	51,039	No	No	No	Associate's degree	N		No	No
39-4012	Crematory Operators	30,325	38,648	46,190	No	No	No	High school diploma or equivalent	Ye		No	No
39-4021	Funeral Attendants	23,076	29,749	32,950	No	No	No	High school diploma or equivalent	N		No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	33,838	54,162	63,041	Yes	Yes	Yes	Associate's degree	N		No	No
39-5011	Barbers	21,310	32,959	36,384	No	No	No	Postsecondary nondegree award	N ₁		No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	21,771	36,153	46,918	No	No	No	Postsecondary nondegree award	N	D	No	No
39-5091	Makeup Artists, Theatrical and Performance	21.024	22.725	24.255	N-	N-	N-	Donton and a second and a second as a seco	1		N-	N-
39-5092	Manicurists and Pedicurists	21,934	32,735	34,365	No	No	No	Postsecondary nondegree award	N	J	No	No

Wages - Workforce Re	egion 16	A	(f) h O	e	14/ 14		O	1		14/ 84	F d- E-d	
May 2022			ages (\$) by Occupat Average Annual	High-Level Wage	Representative	Average Annu	Occupation Metric ual High-Level Wage		Re	wage Meets presentative	Average Annua	tional Level Metric al High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		arting Wage	Wage	Threshold
			-			•		·			•	
39-5093	Shampooers	20,295	23,944	25,837	No	No	No	High school diploma or equivalent	No		No	No
39-5094	Skincare Specialists	22,266	40,141	44,141	No	No	No	Postsecondary nondegree award	No		No	No
39-6011	Baggage Porters and Bellhops	21,095	28,949	33,613	No	No	No	High school diploma or equivalent	No		No	No
39-6012	Concierges	24,120	34,843	37,311	No	No	No	High school diploma or equivalent	No		No	No
39-7010 39-9011	Tour and Travel Guides Childcare Workers	22,246 22,289	35,506	39,058	No	No	No	High school diploma or equivalent	No		No	No
39-9011	Exercise Trainers and Group Fitness Instructors	22,289	28,584 39,629	30,506 48,672	No No	No No	No No	High school diploma or equivalent	No No		No No	No No
39-9032	Recreation Workers	22,161	39,029	48,672 33,548	No No	No	No No	Postsecondary nondegree award Bachelor's degree	No.		No	No No
39-9041	Residential Advisors	24,867	37,239	44,999	No	No	No	Some college, no degree	No		No	No
39-9099	Personal Care and Service Workers, All Other	20.295	30,032	31.876	No	No	No	High school diploma or equivalent	No		No	No
41-1011	First-Line Supervisors of Retail Sales Workers	28,391	49,587	56,231	No	No	No	Some college, no degree	Ye		Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	37,769	89,330	99,963	Yes	Yes	Yes	Some college, no degree	Ye		Yes	Yes
41-2011	Cashiers	22,224	26,395	28,034	No	No	No	No formal educational credential	No		No	No
41-2012	Gambling Change Persons and Booth Cashiers	20,714	32,472	33,642	No	No	No	No formal educational credential	No)	Yes	No
41-2021	Counter and Rental Clerks	24,490	37,428	38,994	No	No	No	No formal educational credential	Ye	s	Yes	Yes
41-2022	Parts Salespersons	22,488	35,685	42,330	No	No	No	High school diploma or equivalent	No)	No	No
41-2031	Retail Salespersons	22,605	32,887	34,385	No	No	No	High school diploma or equivalent	No		No	No
41-3011	Advertising Sales Agents	33,090	55,554	64,215	No	Yes	Yes	Some college, no degree	Ye	s	Yes	Yes
41-3021	Insurance Sales Agents	35,633	80,642	83,266	Yes	Yes	Yes	Postsecondary nondegree award	Ye		Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	38,468	57,383	59,831	Yes	Yes	Yes	Bachelor's degree	No		No	No
41-3041	Travel Agents	24,129	42,629	48,903	No	No	No	Some college, no degree	No)	Yes	Yes
41 2001	Sales Representatives of Services, Except Advertising, Insurance, Financial	20.002	60.044	77.070	No	Voc	Voc	Pacholaris dograe			No	No
41-3091	Services, and Travel Sales Representatives, Wholesale and Manufacturing, Technical and Scientific	30,862	68,811	77,079	No	Yes	Yes	Bachelor's degree	No)	No	No
41 4011		20.420	00.555	447.505			.,					.,
41-4011	Products Sales Representatives, Wholesale and Manufacturing, Except Technical and	38,128	89,665	117,536	Yes	Yes	Yes	Bachelor's degree	No)	Yes	Yes
41-4012	Scientific Products	30.709	67.713	77.201	No	Yes	Yes	Some college, no degree	Ye	_	Yes	Yes
41-9011	Demonstrators and Product Promoters	20.666	47.898	76,252	No	No.	Yes	Some college, no degree No formal educational credential	No.		Yes	Yes
41-9012	Models	21,446	31,886	34,286	No	No	No	High school diploma or equivalent	No		No	No
41-9021	Real Estate Brokers	42,863	76,696	76,980	Yes	Yes	Yes	Postsecondary nondegree award	Ye		Yes	Yes
41-9022	Real Estate Sales Agents	29,994	59.950	70,580 82.510	No.	Yes	Yes		Ye		Yes	Yes
41-9031	Sales Engineers	47.595	120.471	156.816	Yes	Yes	Yes	Postsecondary nondegree award Bachelor's degree	Ye		Yes	Yes
41-9041	Telemarketers	22.288	26.666	30.168	No	No	No.	High school diploma or equivalent	No		No	No.
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	21,563	31.741	32,773	No	No	No	High school diploma or equivalent	No		No	No
41-9099	Sales and Related Workers, All Other	22,733	35,119	33,771	No	No	No	Some college, no degree	No		No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	36,573	58.887	65.140	Yes	Yes	Yes	Some college, no degree	Ye		Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	26,133	31,874	35,271	No	No	No	High school diploma or equivalent	No		No	No
43-2021	Telephone Operators	25,427	30,549	33,447	No	No	No	High school diploma or equivalent	No		No	No
43-2099	Communications Equipment Operators, All Other	22,666	47,995	56,289	No	No	No	High school diploma or equivalent	No		Yes	Yes
43-3011	Bill and Account Collectors	30.116	38.459	43,154	No	No	No	High school diploma or equivalent	Ye		No	No
43-3021	Billing and Posting Clerks	31,168	42,721	47,613	No	No	No	High school diploma or equivalent	Ye		No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	29,657	43,813	49,651	No	No	No	Some college, no degree	Ye		Yes	Yes
43-3041	Gambling Cage Workers	21.651	31,272	37,204	No	No	No	High school diploma or equivalent	No		No	No
43-3051	Payroll and Timekeeping Clerks	29,718	46,066	50,687	No	No	No	Some college, no degree	Ye	s	Yes	Yes
43-3061	Procurement Clerks	30,989	39,182	44,549	No	No	No	Associate's degree	No)	No	No
43-3071	Tellers	34,893	39,267	43,899	Yes	No	No	High school diploma or equivalent	Ye	s	No	No
43-3099	Financial Clerks, All Other	35,008	53,079	59,450	Yes	Yes	Yes	Some college, no degree	Ye	s	Yes	Yes
43-4011	Brokerage Clerks	36,355	54,123	58,738	Yes	Yes	Yes	Some college, no degree	Ye	s	Yes	Yes
43-4021	Correspondence Clerks	32,628	36,443	39,614	No	No	No	High school diploma or equivalent	Ye	s	No	No
43-4031	Court, Municipal, and License Clerks	31,602	37,629	40,188	No	No	No	Some college, no degree	Ye	s	No	No
43-4041	Credit Authorizers, Checkers, and Clerks	28,169	42,619	49,673	No	No	No	Some college, no degree	Ye	s	Yes	Yes
43-4051	Customer Service Representatives	26,849	37,009	39,372	No	No	No	High school diploma or equivalent	No)	No	No
43-4061	Eligibility Interviewers, Government Programs	31,325	41,599	49,546	No	No	No	High school diploma or equivalent	Ye		No	No
43-4071	File Clerks	24,340	35,186	39,000	No	No	No	High school diploma or equivalent	No		No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	24,234	28,701	29,167	No	No	No	High school diploma or equivalent	No		No	No
43-4111	Interviewers, Except Eligibility and Loan	30,592	39,701	45,424	No	No	No	High school diploma or equivalent	Ye		No	No
43-4121	Library Assistants, Clerical	23,405	30,996	33,467	No	No	No	Some college, no degree	No		No	No
43-4131	Loan Interviewers and Clerks	31,681	46,697	56,972	No	No	No	High school diploma or equivalent	Ye		Yes	Yes
43-4141	New Accounts Clerks	35,379	42,375	45,897	Yes	No	No	High school diploma or equivalent	Ye		No	No
43-4151	Order Clerks	28,227	40,608	45,281	No	No	No	High school diploma or equivalent	No		No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	27,666	39,505	47,695	No	No	No	Associate's degree	No		No	No
43-4171 43-4181	Receptionists and Information Clerks	24,091	31,936	35,474 47,302	No	No	No	High school diploma or equivalent	No		No	No
43-4181 43-4199	Reservation and Transportation Ticket Agents and Travel Clerks Information and Record Clerks, All Other	28,559 27.300	41,214 38.033	47,302 44,288	No No	No No	No No	High school diploma or equivalent	No No		No No	No No
43-4199	Cargo and Freight Agents	27,300 36.317	38,U33 55.445	44,288 78.751	Yes			High school diploma or equivalent	Ye			No Yes
43-5011	Couriers and Messengers	24,363	31,001	78,751 32,541	Yes No	Yes	Yes No	High school diploma or equivalent High school diploma or equivalent	Ye No		Yes No	Yes No
43-5021	Public Safety Telecommunicators	24,363 34,360	41,772	32,541 41,376	Yes	No No	No No		Ye		No No	No No
43-5031	Dispatchers, Except Police, Fire, and Ambulance	34,360 27.597	41,772	41,376	Yes No	No No	No No	High school diploma or equivalent	Ye No		No No	No No
43-5041	Meter Readers, Utilities	30,267	39,593	39,816	No	No	No	High school diploma or equivalent High school diploma or equivalent	Ye		No	No
43-5051	Postal Service Clerks	30,267	54.826	64.272	Yes	Yes	Yes	High school diploma or equivalent	Ye		Yes	Yes
43-5052	Postal Service Ciercs Postal Service Mail Carriers	39,645	54,826	69,930	Yes	Yes	Yes	High school diploma or equivalent	Ye		Yes	Yes
43-5052	Postal Service Mail Carriers Postal Service Mail Sorters, Processors, and Processing Machine Operators	37,643	50,893	65,529	Yes	No.	Yes	High school diploma or equivalent	Ye		Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	30,992	48.844	59.854	No No	No	Yes	Some college, no degree	Ye		Yes	Yes
43-5001	Shipping, Receiving, and Inventory Clerks	25.398	36,204	40.139	No	No	No	High school diploma or equivalent	No		No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	25,398 31.394	40.374	40,139	No No	No	No No	High school diploma or equivalent	Ye		No	No No
43-6011	Executive Secretaries and Executive Administrative Assistants	38.030	56,965	64,086	Yes	Yes	Yes	Some college, no degree	Ye		Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	31.841	46,386	60.130	No	No	Yes	Some college, no degree	Ye		Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	30,089	37,401	38,601	No	No	No	Some college, no degree	Ye		No	No
		,	,	,			-		1 1			

Representative Average Annual High-Level Wage Representative Average Annual High-Level Wage Representative Average Annual High-Level Wage	Vages - Workforce Re	egion 16	A	/ (¢) b 0			14/ 14	Furnada All C		<u> </u>		14/ 844-	F d- Fd#	
Name	May 2022					Re					i F			
Section Sect	Occupational Code	Occupational Title								Educational Requirement				Threshold
Section Sect		·						-		·	一		•	
Section Sect				,		No)							
Section Process Company Comp			,	. ,	, .									
Section				,	,									
April March Marc			-,	-,	,					· ·				
Sept. Sept. Approximate 12,127	43-9051													
1985 March Markes			25,473	40,066	46,857	No)	No	No			No	No	No
18-11					. ,									
1995 1995														
Section Processing Section Sec				,	,									
4-201 Agent American Services Agent American Agen														
Accordance Control Agent Agent Control A	45-2011													
Aground to September (September 1)	45-2021	Animal Breeders	26,393	36,345	38,443	No)	No	No	High school diploma or equivalent		No	No	No
5000000000000000000000000000000000000			, .											
August Service Servi														
March Marc														
Second Pales and humble windows														
Section Section and Conservation Network 1,025 4,124 4,126 1,025														
Second S	45-4011													
Second Top Communication content 12,775	45-4021		38,199	45,380	51,322	Yes	!S	No	No	High school diploma or equivalent		Yes	Yes	
Segreg Workson, Al Other														
67-001 First for fourments of Construction Finder on Protection Find		.0												
2002 Shimmaker 2,345 4,717 5,855 No					-,									
20-2013 Discussmoon 25,144 Cu, 177 display Discussion Di														
20.2022 Stommanum Stomma														
20-2061 Corport Installation	47-2022		28,442	45,351	56,308	No)	No	No			No	Yes	Yes
## 47-2026 Foot Lyens, Expect Arroys, Wood, and frund Tiles 32,300 42,331 49,371 10					51,900			No	No	Postsecondary nondegree award		Yes	Yes	Yes
## 47-2064 Fig. of Sanders and Finderine 12,1700 12,1700 12,1700 12,1700 10,000			,	,	,									
\$7.2001 The and Stone Setters			. ,	,	- , .									
47-2955 Cemerk Marions and Concrete Finishers				,	,									
47.2056 Tenrazo Workers and Frinibers 14.277 50,278 50,377 50,778 50,377 50,778 50,377 50,778 50,377 50,778 50,377 50,778 50,377 50,778 50,377 50,778 50,377 50,778 50,377 50,378 50,377 50,378 50,377 50,378 50,377 50,378 50,3			,	,-	-7									
24-2071 Pawey, Suffering, and Tamping Equipment Operators 22,935 39,428 43,722 No No No No High school diploman or equivalent Vec No No No No High school diploman or equivalent Vec Vec No No No No High school diploman or equivalent Vec Vec No No No No High school diploman or equivalent Vec Vec No No No No No No High school diploman or equivalent Vec Vec No No No No No No No No	47-2053					Yes	!S	No	No					
147-2072 Pile Driver Operators 133,789 47,185 48,600 196 1		Construction Laborers	27,969	37,366	39,416	No)	No	No	No formal educational credential		Yes	Yes	Yes
24.2073 Operating prigmens and Other Construction Equipment Operators 33,324 43,544 50,206 No			-,	, .	-,									
47.2082 Types 22.023 36.337 46.511 No		·									\sqcup			
47-2022 Tapers 27,005 40,551 45,966 No											\vdash			
## 1972111 Electricans											1			
47-2121 Glazers 27,905 40,951 45,966 No		1-1-1-1												
Insulation Workers, Proc., Ceiling, and Wall 28,569 42,434 47,146 No No No High school diploma or equivalent No No No No Proc. No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No No	47-2121	Glaziers	27,905	40,951	45,966	No)	No	No			No	No	No
## 47-2141 Painters, Construction and Maintenance 29,697 41,117 46,566 No		Insulation Workers, Floor, Ceiling, and Wall	28,569	42,434	47,146	No)	No	No	High school diploma or equivalent		No	No	No
47-2142 Paperhangers		·												
Ppelayers 15,052 43,312 47,267 Ves No No No formal educational credential Ves			-,		.,									
## 17-2152 Plumbers, Pipefitters, and Staemfitters ## 17-2156 Plumbers, Pipefitters, and Staemfitters ## 17-2156 Platters and Staemfitters ## 17-2157 Platters and Sta					-, -									
Plasteres and Stucco Masons														
47-2171 Reinforcing from and Rebar Workers 34,394 45,790 53,752 Ves No No High-schold diploma or equivalent Ves Ves Ves Ves 47-2181 Sheet Metal Workers 33,135 46,619 51,371 Ves No No No No High-schold diploma or equivalent Ves														
47-2211 Sheet Metal Workers 33.13 46.619 51.171 Ves No No High school diploma or equivalent Ves Ve	47-2171	Reinforcing Iron and Rebar Workers		45,790	53,752									
47-2221 Structural from and Steel Workers		****								No formal educational credential		Yes	Yes	Yes
47-231 Solar Photovoltaic Installers Sal,667 42,414 45,673 Yes No No High school diploma or equivalent Yes No No No No No No No N			,								\sqcup			
47-3011 HelpersBickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters 20,295 33,486 37,233 No			,	-,	. ,						\vdash			
47-3012 Helpers-Carpenters														
47-3013														
47-3015 Helpers-Painters, Paperhangers, Plasterers, and Stucco Massons 26,012 30,686 32,130 No						No)							
47-3016 Helpers-Roofers 29,154 35,369 37,594 No No No No formal educational credential Yes Yes <t< td=""><td>47-3014</td><td></td><td></td><td></td><td></td><td></td><td></td><td>No</td><td></td><td>No formal educational credential</td><td></td><td>Yes</td><td>No</td><td>No</td></t<>	47-3014							No		No formal educational credential		Yes	No	No
47-3019 Helpers, Construction Trades, All Other 27,281 36,101 39,877 No No No No No formal educational credential Yes														
47-4011 Construction and Building Inspectors 36,597 56,572 66,587 Yes Yes Yes Postsecondary nondegree award Yes Yes Yes 47-4021 Elevator and Escalator Installers and Repairers 47,605 82,555 100,518 Yes Yes Pes Pes Pes Pes Yes Yes </td <td></td>														
47-4021 Elevator and Escalator installers and Repairers 47,605 82,555 100,518 Yes Yes Yes Yes Postecondary nondegree award Yes Yes Yes Yes 47-4031 Fence Erectors 28,403 39,126 45,400 No				,	,						\vdash			
47-4031 Fence Erectors 28,403 39,126 45,400 No No No No No Firmal educational credential Yes Yes Yes Yes 47-4041 Hagardous Materials Removal Workers 27,930 33,936 35,133 No No No No High school diploma or equivalent Yes No No No A7-4061 Rail-Track Laying and Maintenance Equipment Operators 43,975 53,508 60,748 Yes Yes Yes Yes High school diploma or equivalent Yes Yes Yes Yes Yes High school diploma or equivalent No			,		,						\vdash			
47-4041 Hazardous Materials Removal Workers 32,937 36,130 36,133 No No No No High school diploma or equivalent Yes No No No A7-4051 Highway Maintenance Workers 27,930 33,986 38,558 No No No No High school diploma or equivalent No														
47-4051 Highway Maintenance Workers 27,930 33,966 38,558 No N														
47-4071 Septic Tank Servicers and Sewer Pipe Cleaners 27,401 44,786 50,880 No No No No High school diploma or equivalent No Yes Yes 47-4090 Miscellaneous Construction and Related Workers 31,766 37,592 42,640 No No No No High school diploma or equivalent Yes No No 47-5011 Derrick Operators, Oil and Gas 40,940 50,972 54,148 Yes No No No No formal educational credential Yes Yes Yes Yes 47-5012 Service Unit Operators, Oil and Gas 36,423 52,991 60,923 Yes Yes No No formal educational credential Yes Yes Yes 47-5022 Excavating and Loading Machine and Dragline Operators, Surface Mining 34,684 45,976 56,835 Yes No No No High school diploma or equivalent Yes Yes Yes 47-5022 Exavating and Loading Machine and Dragline Operators, Surface Mining 34,684 45,976 <td< td=""><td></td><td>Highway Maintenance Workers</td><td></td><td>33,986</td><td>38,558</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>		Highway Maintenance Workers		33,986	38,558									
47-4090 Miscellaneous Construction and Related Workers 31,766 37,592 42,640 No No No No No No High school diploma or equivalent Yes No														
47-5011 Derrick Operators, Oil and Gas 4 9 54_148 Yes No No No formal educational credential Yes											\sqcup			
47:5012 Rotary Dnill Operators, Oil and Gas 40,940 50,972 54,148 Yes No No No formal educational credential Yes Yes Yes 47:5013 Service Unit Operators, Oil and Gas 36,423 52,981 60,923 Yes Yes No formal educational credential Yes Yes Yes 47:5022 Exavating and Loading Machine and Dragline Operators, Surface Mining 34,684 45,976 55,835 Yes No No High school diploma or equivalent Yes Yes Yes 47:5022 Explosives Workers, Ordnance Handling Experts, and Blasters 31,188 47,460 53,591 No No No High school diploma or equivalent Yes Yes 47:5032 Explosives Workers, Ordnance Handling Experts, and Blasters 51,869 69,149 77,666 Yes Yes Yes Yes Yes Yes			31,/bb	37,592	42,640	No)	INO	NO	riigii scnool dipioma or equivalent	\vdash	Tes	INO	INO
47-5013 Service Unit Operators, Oil and Gas 36,423 52,981 60,923 Yes Yes Yes No formal educational credential Yes Yes Yes 47-5022 Exavating and Loading Machine and Dragline Operators, Surface Mining 34,684 45,976 56,835 Yes No No High school diploma or equivalent Yes Yes Yes Yes 47-5023 Earth Drillers, Except Oil and Gas 11,188 47,460 53,591 No No No No High school diploma or equivalent Yes Yes Yes 47-5032 Explosives Workers, Ordnance Handling Experts, and Blasters 51,869 69,149 79,666 Yes Yes Yes Yes High school diploma or equivalent Yes Yes Yes			40.940	50.972	54.148	Yes	is .	No	No	No formal educational credential	\vdash	Yes	Yes	Yes
47-5022 Excavating and Loading Machine and Dragline Operators, Surface Mining 34,684 45,976 56,835 Yes No No High school diploma or equivalent Yes Yes Yes 47-5023 Earth Drillers, Except Oil and Gas 31,188 47,460 53,591 No No No High school diploma or equivalent Yes Yes Yes 47-5032 Explosives Workers, Ordnance Handling Experts, and Blasters 51,869 69,149 79,666 Yes Yes Yes High school diploma or equivalent Yes Yes					. , .						\vdash			
47-5032 Explosives Workers, Ordnance Handling Experts, and Blasters 51,869 69,149 79,696 Yes Yes Yes High school diploma or equivalent Yes Yes Yes														
47-5041 Continuous Mining Machine Operators 26,793 39,272 43,448 No No No No No of No Operators Yes Yes Yes											\Box			
	47-5041	Continuous Mining Machine Operators	26,793	39,272	43,448	No)	No	No	No formal educational credential	டட	Yes	Yes	Yes

Nages - Workforce Re Nay 2022	egion 10	Annual W	Vages (\$) by Occupat	tion	Wage Meet	s or Exceeds All (Occupation Metric			Wage Meets	or Exceeds Educati	ional Level Metric
•	†		Average Annual	High-Level Wage	Representative	Average Annu			Rep	resentative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Sta	ting Wage	Wage	Threshold
47-5043	Roof Bolters, Mining								L			
47-5044 47-5049	Loading and Moving Machine Operators, Underground Mining	34,979	39,604	43,917	Yes	No	No	No formal educational credential	Yes		Yes	Yes
47-5049 47-5051	Underground Mining Machine Operators, All Other Rock Splitters, Quarry	34,979 36.004	39,604 65,314	43,917 87.121	Yes Yes	No Yes	No Yes	No formal educational credential No formal educational credential	Yes Yes		Yes	Yes Yes
47-5051	Roustabouts, Oil and Gas	33,379	48,268	59,655	Yes	No	Yes	No formal educational credential	Yes		Yes	Yes
47-5071	HelpersExtraction Workers	28.676	34.267	37,594	No.	No	No	High school diploma or equivalent	No.		No	No.
47-5099	Extraction Workers, All Other	27,125	43,741	42,756	No	No	No	High school diploma or equivalent	No		No	No
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	41.683	67.329	79,477	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	25,684	39,557	45,830	No	No	No	Postsecondary nondegree award	No		No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	46,711	57,229	67,540	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	36,200	56,961	72,086	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-2091	Avionics Technicians	37,438	66,817	76,574	Yes	Yes	Yes	Associate's degree	No		Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	30,042	44,522	49,771	No	No	No	High school diploma or equivalent	Yes		Yes	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	39,106	54,893	62,075	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	38,739	47,425	44,512	Yes	No	No	Postsecondary nondegree award	Yes		Yes	No
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	38,970	74,593	96,527	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	32,403	43,282	47,400	No	No	No	Postsecondary nondegree award	Yes		No	No
49-2097	Audiovisual Equipment Installers and Repairers	37,282	45,975	49,332	Yes	No	No	Postsecondary nondegree award	Yes		Yes	No
49-2098 49-3011	Security and Fire Alarm Systems Installers	34,973	49,453	56,831	Yes	No	No	Postsecondary nondegree award	Yes		Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	43,345 30,508	65,160	72,789 47,708	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
49-3021	Automotive Body and Related Repairers Automotive Glass Installers and Repairers	30,508 29.533	48,021 46,330	47,708 56.087	No No	No No	No No	Postsecondary nondegree award High school diploma or equivalent	Yes No		Yes	No Yes
49-3022	Automotive Glass Installers and Repairers Automotive Service Technicians and Mechanics	29,533	46,330	56,087	No No	No No	Yes		No No		Yes	Yes
49-3023	Bus and Truck Mechanics and Diesel Engine Specialists	29,120 36.473	46,788 50.736	59,254 59,609		No No	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	30,179	46,454	48.317	Yes No	No	No Yes	Postsecondary nondegree award High school diploma or equivalent	Yes		Yes	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	35,517	52.027	60.921	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-3043	Rail Car Repairers	36,540	52,464	58.338	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	31,574	47,218	59.111	No	No	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-3052	Motorcycle Mechanics	29,086	44,883	57,577	No	No	No	High school diploma or equivalent	No		Yes	Yes
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	26,429	38,205	44,345	No	No	No	High school diploma or equivalent	No		No	No
49-3091	Bicycle Repairers	22,890	35,682	42,619	No	No	No	High school diploma or equivalent	No		No	No
49-3092	Recreational Vehicle Service Technicians	36,162	53,104	63,706	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
49-3093	Tire Repairers and Changers	24,459	33,307	35,940	No	No	No	High school diploma or equivalent	No		No	No
49-9011	Mechanical Door Repairers	30,442	44,922	53,040	No	No	No	High school diploma or equivalent	Yes		Yes	Yes
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	27,345	54,369	63,279	No	Yes	Yes	Postsecondary nondegree award	No		Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	36,614	47,945	57,552	Yes	No	No	Postsecondary nondegree award	Yes		Yes	Yes
49-9031	Home Appliance Repairers	20,800	39,172	48,897	No	No	No	Postsecondary nondegree award	No		No	No
49-9041	Industrial Machinery Mechanics	32,339	51,877	63,550	No	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-9043	Maintenance Workers, Machinery	33,280	44,918	55,268	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
49-9044	Millwrights	39,838	54,591	64,446	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	25,525	33,828	37,194	No	No	No	High school diploma or equivalent	No		No	No
49-9051	Electrical Power-Line Installers and Repairers	39,168	72,685	97,652	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
49-9052 49-9061	Telecommunications Line Installers and Repairers	36,391	49,686	58,004	Yes	No	No	Postsecondary nondegree award	Yes		Yes	Yes
49-9062	Camera and Photographic Equipment Repairers Medical Equipment Repairers	39,272 34.197	52,191 46.892	58,221 50,709	Yes	Yes	Yes	Associate's degree	No		No	No
49-9062	Musical Instrument Repairers and Tuners	27,837	40,980	50,709	Yes No	No No	No No	Associate's degree	No No		No No	No Yes
49-9063	Watch and Clock Repairers	24,168	28.754	28.052	No No	No	No	High school diploma or equivalent	No No		No	No Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	39,585	56,308	64,436	Yes	Yes	Yes	High school diploma or equivalent High school diploma or equivalent	Yes		Yes	Yes
49-9071	Maintenance and Repair Workers, General	28,080	40,387	46,716	No	No	No	High school diploma or equivalent	No		No	No
49-9081	Wind Turbine Service Technicians	20,000	40,307	40,710	NO	140	140	Tilgit school diplottia of equivalent	140		140	140
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	26,734	39,370	47,302	No	No	No	High school diploma or equivalent	No		No	No
49-9092	Commercial Divers	38,589	51,976	55.674	Yes	Yes	No	Postsecondary nondegree award	Yes		Yes	Yes
49-9094	Locksmiths and Safe Repairers	30,989	43,710	57,595	No	No	No	High school diploma or equivalent	Yes		No	Yes
49-9095	Manufactured Building and Mobile Home Installers	21,329	30,159	38,160	No	No	No	High school diploma or equivalent	No		No	No
49-9096	Riggers	32,481	50,493	58,630	No	No	Yes	High school diploma or equivalent	Yes		Yes	Yes
49-9097	Signal and Track Switch Repairers	46,122	61,801	69,783	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
49-9098	HelpersInstallation, Maintenance, and Repair Workers	26,230	32,783	36,159	No	No	No	High school diploma or equivalent	No		No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	29,036	38,800	45,183	No	No	No	High school diploma or equivalent	No		No	No
51-1011	First-Line Supervisors of Production and Operating Workers	38,899	61,258	74,984	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	32,267	45,927	54,493	No	No	No	Postsecondary nondegree award	Yes		Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	32,433	44,414	47,322	No	No	No	High school diploma or equivalent	Yes		Yes	No
	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders,											
51-2028	Tapers, and Finishers	24,845	37,076	39,234	No	No	No	High school diploma or equivalent	No		No	No
51-2031	Engine and Other Machine Assemblers	32,852	42,414	47,088	No	No	No	High school diploma or equivalent	Yes		No	No
51-2041	Structural Metal Fabricators and Fitters	29,808	42,512	48,073	No	No	No	High school diploma or equivalent	Yes		No	No
51-2051	Fiberglass Laminators and Fabricators	28,813	36,901	39,565	No	No	No	High school diploma or equivalent	No		No	No
51-2061	Timing Device Assemblers and Adjusters							1,01,1,101,				
51-2090	Miscellaneous Assemblers and Fabricators Rakers	26,500	35,364	38,700	No No	No	No No	High school diploma or equivalent	No		No	No No
51-3011 51-3021	bukers	24,342	33,570	37,285	No No	No	No No	High school diploma or equivalent	No		No	No
	Butchers and Meat Cutters Moat Poultry and Fish Cutters and Trimmers	28,632	41,384	44,674	No No	No	No No	No formal educational credential	Yes		Yes	Yes
51-3022 51-3023	Meat, Poultry, and Fish Cutters and Trimmers	24,709 25.973	34,743 27.310	39,460 28,344	No No	No No	No No	No formal educational credential No formal educational credential	Yes Yes		Yes No	Yes No
51-3023 51-3091	Slaughterers and Meat Packers Food and Tobacco Roasting, Baking, and Doving Machine Operators and Tonders	25,973	27,310 36.150	28,344 35.496	No No	No No	No No					No Yes
51-3091 51-3092	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders Food Batchmakers	24,285	,	35,496 37,077				No formal educational credential	Yes		Yes	
51-3092	Food Cooking Machine Operators and Tenders	22,217	32,481 31,242	37,077 34,599	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No No		No No	No No
51-3099	Food Processing Workers, All Other	24,500	31,242	34,599 35,279	No No	No	No No	No formal educational credential	Yes		Yes	Yes
	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and	27,001	33,303	33,273	140	.40	NO	No totalial educational credential	162		. 03	.63
51-4021	Plastic	30,462	39,506	43,800	No	No	No	High school diploma or equivalent	Yes		No	No
022		30,402	33,300	43,000	1			on sensor diploma of equivalent	1 1 1 2 3			

Wages - Workforce R	egion 16										
May 2022			ages (\$) by Occupat Average Annual	High-Level Wage	Representative	Average Annu	Occupation Metric ual High-Level Wage		Representative		ational Level Metric ual High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	29,613	39,116	44,678	No	No	No	High school diploma or equivalent	Yes	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	29,935	40,912	44,190	No	No	No	High school diploma or equivalent	Yes	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	27.788	37,575	43,029	No	No	No	High cohoot distance or control or	No	No	No
51-4031	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and	27,788	37,575	43,029	NO	NO	NO	High school diploma or equivalent	NO	NO	NO
51-4032	Plastic	29.427	54,913	81,579	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
31 4032	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and	23,421	34,513	61,575	NO	163	163	Tilgii school dipiona of equivalent	140	163	163
51-4033	Tenders, Metal and Plastic	25,484	34,037	35,878	No	No	No	High school diploma or equivalent	No	No	No
	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and										
51-4034	Plastic	27,261	37,994	46,678	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	32,810	41,845	47,062	No	No	No	Postsecondary nondegree award	Yes	No	No
51-4041	Machinists	30,420	41,693	47,189	No	No	No	Postsecondary nondegree award	Yes	No	No
51-4051	Metal-Refining Furnace Operators and Tenders	38,209	48,717	49,625	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-4052 51-4061	Pourers and Casters, Metal	29,125 32,257	45,536 50.805	55,225 59.128	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-4062	Model Makers, Metal and Plastic Patternmakers, Metal and Plastic	26,354	49,303	59,128 76,183	No No	No No	Yes Yes	High school diploma or equivalent	Yes No	Yes	Yes Yes
51-4062	Foundry Mold and Coremakers				No	No		Postsecondary nondegree award	No		
31-40/1	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders,	22,715	39,233	53,645	INU	INU	No	High school diploma or equivalent	INU	No	Yes
51-4072	Metal and Plastic	24,924	38,880	49.486	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	29,617	38,234	40,461	No	No	No	High school diploma or equivalent	Yes	No	No
51-4111	Tool and Die Makers	38,189	56,874	64,172	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	32,121	45,525	50,581	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	29,027	36,775	39,994	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	24,354	39,789	46,249	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic										
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	29,359	39,282	43,780	No	No	No	High school diploma or equivalent	No	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	26,871	35,955	37,955	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	25,631	38,943	46,959	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	30,998	44,034	48,122	No	No	No	Postsecondary nondegree award	Yes	Yes	No
51-5112 51-5113	Printing Press Operators	30,075	43,416	46,843 45,146	No	No	No	High school diploma or equivalent	Yes	No	No
51-6011	Print Binding and Finishing Workers	26,412 22.022	38,160 25.559	45,146 27.319	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
51-6021	Laundry and Dry-Cleaning Workers Pressers, Textile, Garment, and Related Materials	22,022	25,559	27,319	No	No	No No	No formal educational credential No formal educational credential	No No	No	No
51-6031	Sewing Machine Operators	22,526	30.474	32,483	No	No	No	No formal educational credential	No	No	No No
51-6041	Shoe and Leather Workers and Repairers	22,988	32,179	36,326	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	,	,	,					1		
51-6051	Sewers, Hand	21,514	29,076	29,642	No	No	No	No formal educational credential	No	No	No
51-6052	Tailors, Dressmakers, and Custom Sewers	31,200	32,852	31,200	No	No	No	No formal educational credential	Yes	Yes	No
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	22,519	26,969	27,564	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	27,076	32,374	35,526	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	26,930	30,969	33,721	No	No	No	High school diploma or equivalent	No	No	No
	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and										
51-6064	Tenders	22,705	32,774	37,253	No	No	No	High school diploma or equivalent	No	No	No
F4 5004	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and										
51-6091	Glass Fibers	32,969	57,440	81,696	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092 51-6093	Fabric and Apparel Patternmakers Upholsterers	26,354 27.378	49,303 37.096	76,183 41.848	No No	No No	Yes No	High school diploma or equivalent High school diploma or equivalent	No No	Yes No	Yes No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	26,695	33,340	37,184	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	30,881	42,913	50,008	No	No	No	High school diploma or equivalent	Yes	No	No
51-7021	Furniture Finishers	30,013	44,658	52,493	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-7031	Model Makers, Wood	,	,	,					1 1		
51-7032	Patternmakers, Wood								1 1		
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	25,525	33,828	37,194	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	25,437	33,594	37,604	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	26,871	31,818	32,159	No	No	No	High school diploma or equivalent	No	No	No
51-8011	Nuclear Power Reactor Operators	47,371	74,739	94,624	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	54,452	89,280	101,259	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	49,945	64,537	79,489	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	47,068	61,470	66,465	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031 51-8091	Water and Wastewater Treatment Plant and System Operators Chemical Plant and System Operators	35,106 40.824	48,799 60.475	51,820 65.470	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators Gas Plant Operators	40,824 33,730	60,475 50,854	65,470 61,489	Yes Yes	Yes No	Yes Yes	Associate's degree High school diploma or equivalent	No Yes	Yes	Yes Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	47.302	61.392	77.354	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	39.360	56,503	63.343	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	28,999	42,094	47,512	No	No	No	High school diploma or equivalent	No	No	No
-	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,	-,	,	,		-			1 1	-	-
51-9012	Operators, and Tenders	27,613	41,721	48,444	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	33,396	38,236	44,861	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9022	Grinding and Polishing Workers, Hand	27,788	34,706	37,740	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	28,132	34,578	38,583	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	21,417	34,794	39,087	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	27,935	37,858	43,341	No	No	No	High school diploma or equivalent	No	No	No
F4 0044	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and								1 1		
51-9041	Tenders	29,813	35,860	38,585	No	No	No	High school diploma or equivalent	Yes	No	No
51-9051 51-9061	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	29,925	38,326	43,019	No No	No	No No	High school diploma or equivalent	Yes	No	No V
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers Jewelers and Precious Stone and Metal Workers	24,960 24.568	41,748 47.781	49,556 55.850	No No	No No	No No	Postsecondary nondegree award	No No	No Yes	Yes Yes
51-9071	Dental Laboratory Technicians	24,568	47,781 52,154	55,850 57,022	No No	Yes	No No	High school diploma or equivalent Postsecondary nondegree award	Yes	Yes	Yes
11-3001	Dental Laboratory recinicians	29,771	32,134	57,022	NU	162	INU	r ostsecondary nondegree award	162	162	162

Wages - Workforce Region 16

Wages - Workforce Re May 2022	egion 16	Annual \	Wages (\$) by Occupa	tion	Wage Meet	ts or Exceeds All Occ	upation Metric	1	Wage Meets	or Exceeds Education	nal Level Metric
		Representative Average Annual		High-Level Wage	Representative	Average Annual High-Level Wage			Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-9082	Medical Appliance Technicians	27,700	39,331	48,678	No	No	No	Postsecondary nondegree award	No	No	No
51-9083	Ophthalmic Laboratory Technicians	30,190	34,462	36,281	No	No	No	High school diploma or equivalent	Yes	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	28,275	39,028	45,483	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	20,800	34,074	42,175	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	29,811	44,567	47,350	No	No	No	High school diploma or equivalent	Yes	Yes	No
51-9141 51-9151	Semiconductor Processing Technicians	37,155	46,756	49,586	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-9151	Photographic Process Workers and Processing Machine Operators Computer Numerically Controlled Tool Operators	22,841 31,434	34,540	37,194	No No	No No	No No	High school diploma or equivalent	No V	No No	No No
51-9162		31,434	42,605 58.847	48,279 62.400		Yes	Yes	Postsecondary nondegree award	Yes No	Yes	No No
51-9102	Computer Numerically Controlled Tool Programmers	22,705	32,774	. ,	Yes No	No.	No.	Associate's degree		No.	No No
51-9191	Adhesive Bonding Machine Operators and Tenders Classing Washing and Matal Rickling Equipment Operators and Tenders	,		37,253				High school diploma or equivalent	No.		
51-9193	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders Cooling and Freezing Equipment Operators and Tenders	25,427 26,939	35,184 44,648	46,122 47,556	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No No	No Yes	No No
51-9194	Etchers and Engravers	28,520	34,013	37.487	No	No	No	High school diploma or equivalent	No No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	20,800	33,412	38,896	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	28,471	43,400	51,127	No	No	No	High school diploma or equivalent	No	No	Yes
51-9197	Tire Builders	20,471	45,400	31,127	140	140	140	riigii scriooi dipionia oi equivalent	INO .	140	163
51-9198	HelpersProduction Workers	21.766	29,730	33.862	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	24,960	36.819	37,338	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	36,940	55,703	60,767	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
	First-Line Supervisors of Transportation and Material Moving Workers, Except	,							1 1		
53-1047	Aircraft Cargo Handling Supervisors	33.798	54.386	65,232	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	78,964	204,710	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	46,018	83,672	105,856	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	78,018	123,291	153,430	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	78,018	123,291	153,430	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	34,355	67,597	77,188	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	25,125	29,915	31,759	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	20,800	32,255	37,940	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	23,293	45,807	49,359	No	No	No	Postsecondary nondegree award	No	Yes	No
53-3033	Light Truck Drivers	23,487	39,761	45,955	No	No	No	High school diploma or equivalent	No	No	No
53-3051	Bus Drivers, School	31,960	38,020	39,882	No	No	No	High school diploma or equivalent	Yes	No	No
53-3052	Bus Drivers, Transit and Intercity	25,918	34,424	41,296	No	No	No	High school diploma or equivalent	No	No	No
53-3053	Shuttle Drivers and Chauffeurs	23,359	32,284	34,705	No	No	No	High school diploma or equivalent	No	No	No
53-3054	Taxi Drivers	20,363	30,920	31,164	No	No	No	No formal educational credential	No	No	No
53-3099	Motor Vehicle Operators, All Other	23,036	27,642	29,970	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	55,215	67,070	72,456	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	31,418	52,669	50,737	No	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	38,180	57,733	60,387	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	61,831	69,793	72,505	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	28,510	40,746	51,176	No	No	No	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	40,258	40,931	40,268	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-5011	Sailors and Marine Oilers	28,413	44,434	49,020	No	No	No	High school diploma or equivalent	No	Yes	No
53-5021 53-5022	Captains, Mates, and Pilots of Water Vessels	27,026	51,858	57,833	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators Ship Engineers	27,798 70,807	44,327 95,903	51,947 106,733	No Yes	No Yes	No Yes	Postsecondary nondegree award	No Yes	Yes Yes	Yes Yes
53-6011	Bridge and Lock Tenders	23,495	31,262	35,496	No	No	No No	Postsecondary nondegree award High school diploma or equivalent	No No	No	No No
53-6021	Parking Attendants	21,672	26,581	28,607	No	No	No No	No formal educational credential	No No	No	No
53-6031	Automotive and Watercraft Service Attendants	26,091	33,373	38,576	No	No	No	No formal educational credential	Yes	Yes	Yes
53-6032	Aircraft Service Attendants	29,076	36,072	36,453	No	No	No	High school diploma or equivalent	No.	No	No
53-6041	Traffic Technicians	37,571	44,777	51,866	Yes	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	39,224	83,433	105,260	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	20,763	31,798	37.165	No.	No	No	High school diploma or equivalent	No	No	No
53-6099	Transportation Workers, All Other	20,703	29,993	31,779	No	No	No	High school diploma or equivalent	No.	No	No
53-7011	Conveyor Operators and Tenders	28,822	33,789	34,940	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7021	Crane and Tower Operators	35,834	58,882	70,990	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	34,843	46,180	48.093	Yes	No	No.	High school diploma or equivalent	Yes	Yes	No
53-7041	Hoist and Winch Operators	31,476	49,322	50,542	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	35,976	44,095	47,505	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	22,089	30,199	33,978	No	No	No	No formal educational credential	No	No	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	25,105	32,794	35,708	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	41,827	45,763	47,982	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7064	Packers and Packagers, Hand	23,488	26,251	25,482	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	25,149	31,618	34,614	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	29,954	35,731	33,194	No	No	No	High school diploma or equivalent	Yes	No	No
53-7072	Pump Operators, Except Wellhead Pumpers	32,023	45,039	50,561	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7073	Wellhead Pumpers	29,954	35,731	33,194	No	No	No	High school diploma or equivalent	Yes	No	No
	Refuse and Recyclable Material Collectors	27,592	41,094	57,011	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7081											
53-7081	Tank Car, Truck, and Ship Loaders	42,307	58,962	59,870	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes

 $[\]ensuremath{^{*}}$ indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

Summary - Workforce Region 16

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	33,097	51,871	58,017	815
No formal educational credential	23,824	31,328	33,936	83
High school diploma or equivalent	29,564	44,341	50,199	232
Some college, no degree	27,362	40,679	46,787	49
Postsecondary nondegree award	29,698	43,313	49,524	89
Associate's degree	41,258	55,490	63,133	67
Bachelor's degree	45,546	81,584	93,047	182
Master's degree	56,281	82,338	94,662	40
Doctoral or professional degree	77,688	160,731	162,451	73

	Representative	Starting Wage	Average Ar	nual Wage	High-Level Wage Threshold		
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	
All Occupations	468	347	458	357	451	364	
No formal educational credential	40.96%	59.04%	33.73%	66.27%	33.73%	66.27%	
High school diploma or equivalent	62.50%	37.50%	72.41%	27.59%	75.00%	25.00%	
Some college, no degree	26.53%	73.47%	28.57%	71.43%	28.57%	71.43%	
Postsecondary nondegree award	28.09%	71.91%	28.09%	71.91%	35.96%	64.04%	
Associate's degree	71.64%	28.36%	46.27%	53.73%	40.30%	59.70%	
Bachelor's degree	60.44%	39.56%	62.64%	37.36%	58.79%	41.21%	
Master's degree	82.50%	17.50%	67.50%	32.50%	55.00%	45.00%	
Doctoral or professional degree	82.19%	17.81%	69.86%	30.14%	64.38%	35.62%	

Companies Comp	ages - Workforce Reg ay 2022	ion 17	Annual W	ages (\$) by Occupat	ion	Wage Meet	e or Evenade All C	Occupation Matric		1 1	Waga Maats	or Exceeds Education	al Level Metric
1905 Def recibes 1,125	19 2022											Average Annual	High-Level Wage
10.000 Cornel and Openion disagrages	Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
10.000 Cornel and Openion disagrages													
Light Ligh			,	,	420.004							Yes	Yes*
1995 Section of Processing Angles 19,005												Yes No	Yes Yes
1985 Marcing Shangam 1980 198		0	,	,=	,					-		No No	No.
13.000 Sept trigger			.,	-,	-, -					-		Yes	Yes
130000 Patrick Confessor Strategy												Yes	Yes
13-101			, .									Yes	Yes
13000 Positive Monogers 46,401 97,504 12,000 10,000	1-2033											Yes	Yes
1995 Computer and information Systems Managers			36,248	99,154		Yes	Yes	Yes			No	Yes	Yes
1987 Proceed Management	1-3013		46,432	97,054	122,400	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
1995 Marchard Production Managers	1-3021	Computer and Information Systems Managers	90,667	147,942	168,277	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
1950 Profesting Mercagne and all and an artist and			67,727			Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
18.07 Transportents Months Months 18.07 Months Month												Yes	Yes
1991 Composition on Sendert Managers												Yes	Yes
11-1213 The Bostown Antonyon CALAS 111-66 111-67 111-6												Yes	Yes
1931 Transpress from the Managers									ų –			Yes	Yes
1999				,	,							Yes	Yes
1990 Contraction Register 1990			,	,	. ,							Yes	Yes
1991										-		No Yes	No Yes
18-90										-		No.	No
14999 Countin Amburstants (Notes of September No. 14999 No.										-		Yes	Yes
14-900 Exaction Administrator, All Other 19,044 37,466 54,251 19,052 1												Yes	Yes
1996 Architectural and Engineering Minagens 10,022 14,875 132,978 12,978			.,						-			No	No
1990 Food Service Managers 2,325 39,929 75,938 No. **rel **vel **v	1-9041	Architectural and Engineering Managers	101.012	148,759	162.874							Yes	Yes
1997 Cambring Managers 95,500 12,277 131,467 174, 174, 174, 174, 174, 174, 174, 174,	1-9051			59,929	75,933							Yes	Yes
14-991 1	1-9071	Gambling Managers	58,500	112,297	113,482	Yes	Yes	Yes			Yes	Yes	Yes
1991 Medical and feather Services Managers 59,551 173,96 135,22 Ves Ves Ves Ves Ves Received of degree 7 Pes Ves Ves	1-9072	Entertainment and Recreation Managers, Except Gambling	37,161	90,698	97,600	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
1.911 Natural solomone Managers	1-9081	Lodging Managers	32,257	70,387	81,668	No	Yes	Yes	Bachelor's degree		No	No	No
19-11 Polymarker and Mail Supprintenderies 19-73.14 88.811 92.89 19-8 19				127,366		Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-914 Property, Real Estate, and Community Association Managers 19,774 67,213 77,665 78 78 78 78 78 8 8 8			,									Yes	Yes
1991 Social and Community Serice Managers 17/991 6,815 77,224 Ves Ves Ves Ves Ves Bachelor's degree No												Yes	Yes
19-16 Emergency Management Directors 48,480 83,662 107,549 107,540 107,571 109,131 109,171 109,131 109,171 109,131 109,171 109,131 109,171 109,131 109,171 109,131 109,171 109,131 109,171 109,131 109,171 109,171 109,131 109,171 109,131 109,171 109,131 109,171 109,131 109,171 109,131 109,		., .,		,								No	No
19-171 Funeral home Managers 10-19-re 4,4-63 7-1,971 94,311 10-19-re 10-			. ,									No	No
19-197 Personal Favires Managers, All Other			,									Yes	Yes
19.19 Manager, Al Other Manager, Al Othe												Yes	Yes
13-1011 Agents and Business Managers of Artists, Ferformers, and Athletes 28,434 9,120 146,600 No Yes Yes Bachelor's degree No No 13-1013 Claims Against, Esaminers, and Investigation 48,597 68,145 81,371 Yes Yes Yes Yes Some college, no degree No Yes Y												No	No
19-1020 Suyers and Furthating Agents 12-116 62-26 85,655 No Yes Yes Ves No Superior of General College, no degree 1 No No 19-1031 No No No No No No No N												Yes	Yes
13-1031 Claims Aglysters, Examiners, and investigators 46,899 65,222 74,561 Ves Ves Ves Ves Pes Some college, no degree Ves												Yes	Yes
13-1012												No	No
13-1041 Complance Officers 36,275 62,306 77,654 Ves Ves Ves Ves Ves Bachelor's degree No												Yes	Yes
13-1051 Cott Estimators 141,380 65,897 78,850 Ves Ve												Yes	Yes
13-1071												No	No
13-1074 Fam Labor Contractors 22.916 84.213 117.653 No Yes Yes No No Family Specialists No No No No No No No N										-		No No	No No
13-1075 Labor Relations Specialists 46,443 71,512 83,357 Ves Ves Ves Ves Bachelor's degree No										-		Yes	Yes
13-1081 Logisticians Logistici										-		No	No
13-1082 Project Management Specialists 43,910 86,817 100,759 Ves Ves Ves Ves Ves Specialists Ves Ves					,					-		No	No
13-1111 Management Analysts 43,680 85,662 105,609 10 10 10 10 10 10 10			,		, .							Yes	Yes
13-1121 Meeting, Convention, and Event Planners 28,395 46,414 51,400 No No No No Bachelor's degree No												Yes	Yes
13-1131 Fundraisers Fundraisers Fundraisers Sachelor's degree No No Yes Yes Yes Sachelor's degree No No No Yes Yes Yes Sachelor's degree No No No No Yes Yes Yes Sachelor's degree No No No Yes Yes Yes Yes No No Yes Yes Yes No No No No Yes Yes Yes No No No No No No Yes Yes No No No No No No No N												No	No
13-1141 Compensation, Benefits, and Job Analysis Specialists 39,624 \$8,860 64,381 Yes Yes Yes Bachelor's degree No	3-1131	Fundraisers		53,923	70,361			Yes				No	No
13-1151 Training and Development Specialists 28,938 61,910 73,636 No Yes Yes Bachelor's degree No 13-1161 Market Research Analysts 36,988 68,679 83,723 Yes Yes Yes Bachelor's degree No 13-1199 Business Operations Specialists, All Other 22,082 62,568 77,315 No Yes Yes Bachelor's degree No 13-2011 Accountants and Auditors 43,628 74,553 83,922 Yes Yes Yes Bachelor's degree No 13-2020 Property Appraisers and Assessors 40,993 64,564 77,5006 Yes Yes Yes Bachelor's degree No 13-2031 Budget Analysts 44,727 63,106 74,396 Yes Yes Yes Yes Bachelor's degree No 13-2041 Credit Analysts 83,553 77,966 87,953 Yes Yes Yes Yes Bachelor's degree No 13-2051 Financial and Investment Analysts 55,660 84,503 98,490 Yes Yes Yes Yes Bachelor's degree No 13-2052 Personal Financial Advisors 36,334 89,283 91,446 Yes Yes Yes Bachelor's degree No 13-2053 Insurance Underwriters 46,619 66,824 77,336 Yes Yes Yes Bachelor's degree Yes 13-2054 Financial Examiners 50,015 100,869 133,068 Yes Yes Yes Bachelor's degree Yes 13-2054 Financial Examiners 42,333 74,457 91,276 Yes Yes Yes Bachelor's degree Yes 13-2071 Credit Counselors 23,331 46,610 46,913 No No No Bachelor's degree No 13-2072 Loan Officers 34,495 75,999 92,634 Yes Yes Yes Yes Bachelor's degree No 13-2082 Tax Preparers 22,053 43,214 57,855 No No No Bachelor's degree No 13-2082 Tax Preparers 22,053 43,214 57,855 No No No Bachelor's degree No 13-2081 Tax Examiners and Collectors, and Revenue Agents 22,053 43,214 57,855 No No No Postsecondry nondegree award No 13-2121 Computer Systems Analysts 60,533 101,054 116,218 Yes Yes Yes Yes Bachelor's degree No 15-12121 Computer Systems Analysts 60	3-1141	Compensation, Benefits, and Job Analysis Specialists					Yes	Yes	Bachelor's degree	T	No	No	No
13-109 Business Operations Specialists, All Other 22,082 62,568 77,315 No Yes Yes Secondary Segree No 13-2011 Accountants and Auditors 43,628 74,553 83,922 Yes Yes Yes Yes Secondary Segree No 13-2020 Property Appraisers and Assessors 40,993 64,564 75,006 Yes Yes Yes Yes Bachelor's degree No 13-2031 Budget Analysts 44,727 63,106 74,396 Yes Yes Yes Yes Secondary Segree No 13-2041 Credit Analysts 38,553 77,986 87,983 Yes Yes Yes Yes Secondary Segree No 13-2051 Financial and Investment Analysts 55,660 84,503 98,490 Yes Yes Yes Yes Secondary Segree Yes 13-2053 Insurance Underwriters 46,619 66,824 77,336 Yes Yes Yes Yes Secondary Segree Yes 13-2053 Insurance Underwriters 46,619 66,824 77,336 Yes Yes Yes Yes Secondary Segree Yes 13-2054 Financial Risk Specialists 50,015 100,869 133,068 Yes Yes Yes Yes Secondary Segree Yes 13-2051 Financial Secondary Segree Yes Yes		Training and Development Specialists	28,938	61,910	73,636	No		Yes				No	No
13-2011 Accountants and Auditors						Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2020 Property Appraisers and Assessors 40,993 64,564 75,006 Yes Yes Yes Yes Bachelor's degree No 13-2031 Budget Analysts 44,727 63,106 74,396 Yes Yes Yes Yes Bachelor's degree No 13-2041 Credit Analysts 38,553 77,986 87,963 Yes Yes Yes Yes Bachelor's degree No 13-2051 Financial and Investment Analysts 55,660 84,503 98,490 Yes Yes Yes Bachelor's degree Yes 13-2052 Personal Financial Advisors 36,354 89,283 91,446 Yes Yes Yes Yes Bachelor's degree No 13-2053 Insurance Underwriters 46,619 66,824 77,336 Yes Yes Yes Bachelor's degree Yes 13-2054 Financial Examiners 40,015 100,869 133,068 Yes Yes Yes Bachelor's degree Yes 13-2051 Financial Examiners 42,353 74,457 91,276 Yes Yes Yes Bachelor's degree No 13-2071 Credit Counselors 32,331 46,610 46,913 No No No No 13-2072 Loan Officers 40,495 75,999 92,624 Yes Yes Yes Bachelor's degree No 13-2081 Tax Examiners and Collectors, and Revenue Agents 29,536 47,567 54,725 No No No No 13-2082 Tax Preparers 22,053 43,214 57,855 No No No No Bachelor's degree No 15-1211 Computer Systems Analysts 60,533 101,054 116,218 Yes Yes Yes Bachelor's degree No 15-1212 Computer Westwork Support Specialists 40,011 74,977 84,739 Yes Yes Yes Yes Bachelor's degree Yes 15-12231 Computer Westwork Support Specialists 40,011 74,977 84,739 Yes Yes Yes Pes Postscondary nondegree award Yes 13-2081 Computer Westwork Support Specialists 40,011 74,977 84,739 Yes Yes Yes Pes Postscondary nondegree award Yes 15-12121 Computer Network Support Specialists 40,011 74,977 84,739 Yes Yes Yes Pes Postscondary nondegree award Yes 15-12121 Computer Westwork Support Specialists 40,011 74,977 84,739 Yes Yes Yes Pes P			,	,				Yes				No	No
13-2031 Budget Analysts 44,727 63,106 74,396				,								No	No
13-2051 Credit Analysts Sachelor's degree Society Financial and Investment Analysts Sachelor's degree Society Sachelor's degree Society												No	No
13-2051 Financial and Investment Analysts 55,660 84,503 98,490 Ves Yes Yes Yes Yes Personal Financial Advisors 36,54 89,283 91,466 Yes Yes Yes Yes Yes Bachelor's degree Yes												No	No
13-2052 Personal Financial Advisors 36,354 89,283 91,446 Yes Yes Yes Bachelor's degree No 13-2053 Insurance Underwriters 46,619 66,824 77,336 Yes Yes Yes Bachelor's degree Yes 13-2054 Financial Risk Specialists 50,015 100,869 133,068 Yes Yes Yes Bachelor's degree Yes 13-2054 Financial Examiners 42,353 74,457 91,276 Yes Yes Yes Yes Bachelor's degree No 13-2071 Credit Counselors 32,331 46,610 46,913 No No No No No 13-2072 Loan Officers 34,495 75,999 92,634 Yes Yes Yes Bachelor's degree No 13-2081 Tax Examiners and Collectors, and Revenue Agents 29,536 47,567 54,725 No No No No Bachelor's degree No 13-2099 Financial Specialists, All Other 33,855 57,776 76,086 Yes Yes Yes Yes Bachelor's degree No 15-1211 Computer Systems Analysts 33,193 83,494 105,741 Yes Yes Yes Bachelor's degree No 15-1221 Computer and Information Research Scientists 75,073 125,077 184,189 Yes Yes Yes Bachelor's degree No 15-1231 Computer Systems Support Specialists 40,051 74,972 84,739 Yes Yes Yes Pes Bachelor's degree Yes 15-1232 Computer Network Support Specialists 36,605 51,825 62,072 Yes Yes Yes Postecondary nondegree award Yes 15-1231 Computer Systems Support Specialists 36,605 51,825 62,072 Yes Yes Yes Postecondary nondegree award Yes 15-1232 Computer Network Support Specialists 36,605 51,825 62,072 Yes Yes Yes Postecondary nondegree award Yes 15-1231 Computer Systems Support Specialists 36,605 51,825 62,072 Yes Yes Yes Postecondary nondegree award Yes 15-1232 Computer Network Support Specialists 36,605 51,825 62,072 Yes Yes Yes Postecondary nondegree award Yes 15-1231 Computer Systems Support Specialists 36,605 51,825 62,072 Yes Yes Yes Postecondary nondegree award												No	No
13-2053 Insurance Underwriters										1 1		Yes	Yes
13-2054 Financial Risk Specialists 50,015 100,869 133,068 133,068 133,068 133,068 133,068 133,068 133,061 132,061 132,061 132,061 132,061 132,061 132,07										-		Yes	No
13-2061 Financial Examiners 42,353 74,457 91,276 Yes Yes Yes Bachelor's degree No 13-2071 Credit Counselors 32,331 46,610 46,913 No No No Bachelor's degree No 13-2072 Loan Officers 34,495 75,999 92,634 Yes Yes Yes Bachelor's degree No 13-2081 Tax Examiners and Collectors, and Revenue Agents 29,536 47,567 54,725 No No No No Bachelor's degree No 13-2099 Tax Perparers 22,053 43,214 57,855 No No No Postsecondary nondegree award No 13-2099 Financial Specialists, All Other 33,855 57,776 76,086 Yes Yes Yes Bachelor's degree No 15-1211 Computer Systems Analysts 60,533 101,054 116,218 Yes Yes Yes Bachelor's degree Yes 15-1221 Computer and Information Security Analyst			,		,					1 - 1		No	No
13-2071 Credit Counselors 32,331 46,610 46,913 No No No No Bachelor's degree No 13-2072 Loan Officers 34,495 75,999 92,634 Yes Yes Yes Bachelor's degree No 13-2081 Tax Examiners and Collectors, and Revenue Agents 22,953 47,567 54,725 No No No No Bachelor's degree No 13-2082 Tax Preparers 22,053 43,214 57,855 No No No Postsecondary nondegree award No 13-2099 Financial Specialists, All Other 33,855 57,776 76,066 Yes Yes Yes Bachelor's degree No 15-1211 Computer Systems Analysts 60,533 101,054 116,218 Yes Yes Yes Bachelor's degree Yes 15-1212 Computer and Information Research Scientists 75,073 125,077 168,189 Yes Yes Yes Master's degree Yes 15-1231 Computer Network Support Specialists 36,605 51,825 62,072 Yes Yes Yes Postsecondary nondegree award Yes 15-1232 Computer Development Specialists 36,605 51,825 62,072 Yes Yes Yes Postsecondary nondegree award Yes 15-1232 Computer Development Specialists 36,605 51,825 62,072 Yes Yes Yes Postsecondary nondegree award Yes 15-1232 Computer Development Specialists 36,605 51,825 62,072 Yes Yes Yes Postsecondary nondegree award Yes 15-1232 Computer Development Specialists 36,605 51,825 62,072 Yes Yes Yes Postsecondary nondegree award Yes 15-1232 Computer Development Specialists 36,605 51,825 62,072 Yes Yes Yes Postsecondary nondegree award Yes 15-1232 Computer Development Specialists 36,605 51,825 62,072 Yes Yes Yes Postsecondary nondegree award Yes 15-1232 Computer Development Specialists Yes Yes Yes Postsecondary nondegree award Yes 15-1232 Computer Development Specialists Yes Yes Yes Postsecondary nondegree award Yes 15-1232 Computer Development Specialists Yes Yes Yes Postsecondary nondegree award Yes 15-1232 Compute										1 1		Yes	Yes
13-2072 Loan Officers 34,495 75,999 92,634 Yes Yes Yes Yes Bachelor's degree No 13-2081 Tax Examiners and Collectors, and Revenue Agents 29,556 47,567 54,725 No No No No Bachelor's degree No 13-2082 Tax Preparers 22,053 43,214 57,855 No No No No Postsecondary nondegree award No 13-2099 Financial Specialists, All Other 33,855 57,776 76,086 Yes Yes Yes Yes Bachelor's degree No 15-1211 Computer Systems Analysts 33,193 83,494 105,741 Yes Yes Yes Bachelor's degree No 15-1221 Computer and Information Research Scientists 33,193 83,494 105,741 Yes Yes Yes Bachelor's degree No 15-1231 Computer and Information Research Scientists 75,073 125,077 188,189 Yes Yes Yes Yes Master's degree Yes 15-1232 Computer Network Support Specialists 36,605 51,825 62,072 Yes Yes Yes Pestecondary nondegree award Yes 15-1232 Computer User Support Specialists 36,605 51,825 62,072 Yes Yes Yes Pestecondary nondegree award Yes 15-1232 Computer User Support Specialists 36,605 51,825 62,072 Yes Yes Yes Pestecondary nondegree award Yes 15-1232 Computer User Support Specialists 36,605 51,825 62,072 Yes Yes Yes Pestecondary nondegree award Yes 15-1232 Computer User Support Specialists 36,605 51,825 62,072 Yes Yes Yes Pestecondary nondegree award Yes 15-1235 Computer User Support Specialists 36,605 51,825 62,072 Yes Yes Yes Pestecondary nondegree award Yes 15-1236 Tax Examiners and Collectors and Person and Pers				,								No No	No No
13-2081 Tax Examiners and Collectors, and Revenue Agents 29,536 47,567 54,725 No No No Bachelor's degree No										1 1		No	No
13-2082 Tax Preparers 22,053 43,214 57,855 No No No Postsecondary nondegree award No 13-2099 Financial Specialists, All Other 63,855 57,776 76,086 Yes Yes Yes Bachelor's degree No 15-1211 Computer Systems Analysts 60,533 101,054 116,218 Yes Yes Yes Bachelor's degree Yes 15-1212 Information Security Analysts 33,193 83,494 105,741 Yes Yes Yes Bachelor's degree No 15-1221 Computer and Information Research Scientists 75,073 125,077 168,189 Yes Yes Yes Master's degree Yes 15-1231 Computer Network Support Specialists 40,051 74,972 84,739 Yes Yes Postsecondary nondegree award Yes 15-1232 Computer User Support Specialists 36,605 51,825 62,072 Yes Yes Postsecondary nondegree award Yes										1 - 1		No No	No No
13-2099 Financial Specialists, All Other 33,855 57,776 76,086 Yes Yes Yes Bachelor's degree No 15-1211 Computer Systems Analysts 60,533 101,054 116,218 Yes Yes Yes Bachelor's degree Yes 15-1221 Information Security Analysts 33,193 83,494 105,741 Yes Yes Yes Bachelor's degree No 15-1221 Computer and Information Research Scientists 75,073 125,077 168,189 Yes Yes Yes Master's degree Yes 15-1231 Computer Network Support Specialists 40,051 74,972 84,739 Yes Yes Yes Postsecondary nondegree award Yes 15-1232 Computer User Support Specialists 36,605 51,825 62,072 Yes Yes Postsecondary nondegree award Yes										1 1		No	Yes
15-1211 Computer Systems Analysts 60,533 101,054 116,218 Yes Yes Yes Bachelor's degree Yes 15-1212 Information Security Analysts 33,193 83,494 105,741 Yes Yes Yes Bachelor's degree No 5-1221 Computer and Information Research Scientists 75,073 125,077 168,189 Yes Yes Yes Assater's degree Yes 15-1231 Computer Network Support Specialists 40,051 74,972 84,799 Yes Yes Yes Assactier's degree Yes 15-1232 Computer User Support Specialists 36,605 51,825 62,072 Yes Yes Yes Postsecondary nondegree award Yes										1 1		No No	No.
15-1212 Information Security Analysts 33,193 83,494 105,741 Yes Yes Yes Bachelor's degree No 15-1221 Computer and Information Research Scientists 75,073 125,077 168,189 Yes Yes Yes Master's degree Yes 15-1231 Computer Network Support Specialists 40,051 74,972 84,739 Yes Yes Yes Associate's degree Yes 15-1232 Computer User Support Specialists 36,605 51,825 62,072 Yes Yes Yes Postsceondary nondegree award Yes										1 - 1		Yes	Yes
15-1221 Computer and Information Research Scientists 75,073 125,077 168,189 Yes Yes Yes Master's degree Yes 15-1231 Computer New No support Specialists 40,051 74,972 84,739 Yes Yes Yes Associate's degree Yes 15-1232 Computer User Support Specialists 36,605 51,825 62,072 Yes Yes Yes Postsecondary nondegree award Yes										1 1		Yes	Yes
15-1231 Computer Network Support Specialists 40,051 74,972 84,739 Yes Yes Yes Associate's degree Yes 15-1232 Computer User Support Specialists 36,605 51,825 62,072 Yes Yes Yes Postsecondary nondegree award Yes					,					1 1		Yes	Yes
15-1232 Computer User Support Specialists 36,605 51,825 62,072 Ves Yes Postsecondary nondegree award Yes			-,		,					1 1		Yes	Yes
1,111										1 1		Yes	Yes
												Yes	Yes
15-1242 Database Administrators 48,847 90,337 120,612 Yes Yes Yes Bachelor's degree Yes										1 1		Yes	Yes
15-1243 Database Architects 59,491 111,242 139,739 Yes Yes Ves Bachelor's degree Yes										1 1		Yes	Yes

May 2022 Occupational Code 15-1244 15-1251 15-1252 15-1253 15-1254 15-1255 15-1299 15-2011 15-2021 15-2031 15-2041 15-2051 15-2089 17-1011 17-1021 17-1021 17-1021 17-2021 17-2011 17-2021 17-2021 17-2031 17-2041 17-2051	Occupational Title Network and Computer Systems Administrators Computer Programmers Software Developers Software Quality Assurance Analysts and Testers Web Developers Web and Digital Interface Designers Computer Occupations, All Other Actuaries Mathematicians Operations Research Analysts Statisticians Data Scientists Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects		ages (5) by Occupat Average Annual Wage (5) 83,556 84,504 103,531 68,727 74,339 73,265 76,850 118,839 90,120 68,577	High-Level Wage Threshold (\$) 100,516 109,765 125,798 80,425 99,659 91,626 96,102 128,102	Yes	Yes Yes Yes Yes Yes Yes Yes	al High-Level Wage Threshold Yes Yes Yes Yes	Educational Requirement Bachelor's degree Bachelor's degree		Representative Starting Wage	or Exceeds Education Average Annual Wage Yes Yes	High-Level Wage Threshold Yes
15-1244 15-1251 15-1252 15-1253 15-1255 15-1255 15-1255 15-1255 15-2021 15-2031 15-2041 15-2051 15-2099 17-1012 17-1012 17-1012 17-1021 17-2021 17-2031 17-2031	Network and Computer Systems Administrators Computer Programmers Software Developers Software Developers Software Developers Web Developers Web and Digital Interface Designers Computer Occupations, All Other Actuaries Mathematicians Operations Research Analysts Statisticians Data Scientists Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects	\$0,588 50,588 50,620 64,691 45,347 37,171 41,714 36,963 67,308 37,925 36,760 38,608 41,278	Wage (\$) 83,556 84,504 103,531 68,727 74,339 73,265 76,850 118,839 90,120 68,577	Threshold (\$) 100,516 109,765 125,798 80,425 99,459 91,626 96,102	Yes	Yes Yes Yes Yes	Threshold Yes Yes Yes Yes	Bachelor's degree Bachelor's degree		Starting Wage	Wage	Threshold
15-1251 15-1252 15-1254 15-1254 15-1255 15-1299 15-2011 15-2051 15-2051 15-2064 15-2051 15-2064 17-1011 17-1012 17-1012 17-1012 17-1021 17-2051 17-2061 17-2061 17-2061 17-2061	Computer Programmers Software Developers Software Quality Assurance Analysts and Testers Web Developers Web and Digital Interface Designers Computer Occupations, All Other Actuaries Mathematicians Operations Research Analysts Statisticians Data Scientists Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects	50,620 64,691 45,347 37,171 41,714 36,963 67,308 37,925 36,760 38,608 41,278	84,504 103,531 68,727 74,339 73,265 76,850 118,839 90,120 68,577	109,765 125,798 80,425 99,459 91,626 96,102	Yes Yes Yes Yes Yes Yes	Yes Yes Yes	Yes Yes	Bachelor's degree		Yes		
15-1251 15-1252 15-1253 15-1254 15-1254 15-1259 15-2021 15-2031 15-2051 15-2061 15-2061 17-1011 17-1012 17-1021 17-1021 17-2021 17-2031 17-2041 17-2041 17-2041 17-2041	Computer Programmers Software Developers Software Quality Assurance Analysts and Testers Web Developers Web and Digital Interface Designers Computer Occupations, All Other Actuaries Mathematicians Operations Research Analysts Statisticians Data Scientists Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects	50,620 64,691 45,347 37,171 41,714 36,963 67,308 37,925 36,760 38,608 41,278	84,504 103,531 68,727 74,339 73,265 76,850 118,839 90,120 68,577	109,765 125,798 80,425 99,459 91,626 96,102	Yes Yes Yes Yes Yes Yes	Yes Yes Yes	Yes Yes	Bachelor's degree		Yes		
15-1252 15-1253 15-1254 15-1254 15-1255 15-1299 15-2011 15-2021 15-2021 15-2031 15-2041 15-2051 15-2099 17-1011 17-1012 17-1012 17-1012 17-1021 17-2021 17-2031 17-2031 17-2041 17-2051	Software Developers Software Quality Assurance Analysts and Testers Web Developers Web and Digital Interface Designers Computer Occupations, All Other Actuaries Mathematicians Operations Research Analysts Statisticians Data Scientists Mathematical Science Occupations, All Other Architects, Except Landscape and Naval	64,691 45,347 37,171 41,714 36,963 67,308 37,925 36,760 38,608 41,278	103,531 68,727 74,339 73,265 76,850 118,839 90,120 68,577	125,798 80,425 99,459 91,626 96,102	Yes Yes Yes Yes	Yes Yes	Yes					
15-1253 15-1254 15-1255 15-1299 15-2011 15-2011 15-2031 15-2031 15-2051 15-2051 15-2051 17-1011 17-1012 17-1012 17-1012 17-1021 17-2021 17-2031 17-2041 17-2041 17-2041 17-2051	Software Quality Assurance Analysts and Testers Web Developers Web and Digital Interface Designers Computer Occupations, All Other Actuaries Mathematicians Operations Research Analysts Statisticians Data Scientists Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects	45,347 37,171 41,714 36,963 67,308 37,925 36,760 38,608 41,278	68,727 74,339 73,265 76,850 118,839 90,120 68,577	80,425 99,459 91,626 96,102	Yes Yes Yes	Yes				Yes	Yes	Yes
15-1254 15-1255 15-1299 15-2011 15-2021 15-2031 15-2041 15-2061 15-2061 15-2061 15-2061 17-1012 17-1012 17-1012 17-1012 17-1012 17-2021 17-2031 17-2031 17-2041 17-2051	Web Developers Web and Digital Interface Designers Computer Occupations, All Other Actuaries Mathematicians Operations Research Analysts Statisticians Data Scientists Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects	37,171 41,714 36,963 67,308 37,925 36,760 38,608 41,278	74,339 73,265 76,850 118,839 90,120 68,577	99,459 91,626 96,102	Yes Yes		Yes	Bachelor's degree Bachelor's degree	_	No Yes	Yes No	Yes No
15-1255 15-1299 15-2011 15-2021 15-2031 15-2041 15-2041 15-2051 15-2099 17-1011 17-1012 17-1021 17-1021 17-2031 17-2031 17-2031 17-2041 17-2051	Web and Digital Interface Designers Computer Occupations, All Other Actuaries Mathematicians Operations Research Analysts Statisticians Data Scientists Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects	41,714 36,963 67,308 37,925 36,760 38,608 41,278	73,265 76,850 118,839 90,120 68,577	91,626 96,102	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
15-1299 15-2011 15-2021 15-2031 15-2041 15-2051 15-2061 15-2099 17-1011 17-1012 17-1012 17-1022 17-2011 17-2021 17-2031 17-2051 17-2051	Computer Occupations, All Other Actuaries Mathematicians Operations Research Analysts Statisticians Data Scientists Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects	36,963 67,308 37,925 36,760 38,608 41,278	76,850 118,839 90,120 68,577	96,102		Yes	Yes	Associate's degree		Yes	Yes	Yes
15-2021 15-2031 15-2041 15-2051 15-2099 17-1011 17-1012 17-1021 17-2021 17-2031 17-2041 17-2041 17-2041 17-2051	Actuaries Mathematicians Operations Research Analysts Statisticians Data Scientists Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects	67,308 37,925 36,760 38,608 41,278	118,839 90,120 68,577			Yes	Yes	Bachelor's degree		No	No	Yes
15-2021 15-2031 15-2041 15-2051 15-2099 17-1011 17-1012 17-1021 17-1021 17-2021 17-2021 17-2031 17-2041 17-2051	Operations Research Analysts Statisticilans Data Scientists Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects	36,760 38,608 41,278	68,577		Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2031 15-2041 15-2051 15-2059 17-1011 17-1012 17-1021 17-1021 17-2021 17-2031 17-2041 17-2041	Statisticians Data Scientists Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects	36,760 38,608 41,278	68,577	123,930	Yes	Yes	Yes	Master's degree		No	Yes	Yes
15-2051 15-2099 17-1011 17-1012 17-1021 17-1021 17-2011 17-2021 17-2031 17-2041 17-2051	Data Scientists Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects	41,278		81,194	Yes	Yes	Yes	Bachelor's degree		No	No	No
15-2099 17-1011 17-1012 17-1021 17-1021 17-1022 17-2011 17-2021 17-2031 17-2041 17-2051	Mathematical Science Occupations, All Other Architects, Except Landscape and Naval Landscape Architects		79,472	96,264	Yes	Yes	Yes	Master's degree		No	Yes	Yes
17-1011 17-1012 17-1021 17-1022 17-2011 17-2021 17-2031 17-2041 17-2051	Architects, Except Landscape and Naval Landscape Architects	38 608	93,032	113,309	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
17-1012 17-1021 17-1022 17-2011 17-2021 17-2031 17-2041 17-2051	Landscape Architects		79,472	96,264	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
17-1021 17-1022 17-2011 17-2021 17-2031 17-2041 17-2051		49,497	111,183	137,686	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-1022 17-2011 17-2021 17-2031 17-2041 17-2051		36,256	63,487	72,911	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2011 17-2021 17-2031 17-2041 17-2051	Cartographers and Photogrammetrists	47,704	69,146	61,974	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2021 17-2031 17-2041 17-2051	Surveyors	34,624	62,554	76,861	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2031 17-2041 17-2051	Aerospace Engineers	73,328	109,850	127,846	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2041 17-2051	Agricultural Engineers	55.005	02.575	447.044	v							
17-2051	Bioengineers and Biomedical Engineers	56,385	93,675	117,341	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
	Chemical Engineers Civil Engineers	48,506 59,809	96,514 103,853	116,316 123,446	Yes Yes	Yes Yes	Yes Yes	Bachelor's degree Bachelor's degree	_	Yes	Yes Yes	Yes Yes
	Computer Hardware Engineers	63,439	113,453	131,894	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
17-2001	Electrical Engineers	63,439	97.404	131,894	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
17-2071	Electronics Engineers, Except Computer	75,706	92,253	98,758	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2081	Environmental Engineers	41.314	85.752	101.241	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	51,569	87,011	105.650	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2112	Industrial Engineers	60,789	95,899	115,533	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	48,857	73,964	86,981	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2131	Materials Engineers	53,892	88,072	107,897	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2141	Mechanical Engineers	48,936	81,553	92,530	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	44,031	91,713	103,157	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
17-2161	Nuclear Engineers	76,893	110,827	120,119	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2171	Petroleum Engineers	63,714	124,480	149,340	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2199	Engineers, All Other	47,362	76,611	87,904	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-3011	Architectural and Civil Drafters	37,759	59,767	73,542	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3012	Electrical and Electronics Drafters	43,860	55,551	65,307	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3013	Mechanical Drafters	35,321	56,585	64,832	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3019	Drafters, All Other	37,220	56,440	61,164	Yes	Yes	Yes	Associate's degree		No	Yes	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	34,455	74,087	101,298	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3022 17-3023	Civil Engineering Technologists and Technicians	33,493	58,686	74,443	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians Electro-Mechanical and Mechatronics Technologists and Technicians	28,956 43,586	56,390	71,815	No Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3024	Environmental Engineering Technologists and Technicians	29,762	67,488 43,813	76,230 49,521	No	Yes No	Yes No	Associate's degree Associate's degree		Yes No	Yes No	Yes No
17-3025	Industrial Engineering Technologists and Technicians	39,074	55,250	63,489	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	37,176	56,736	63,354	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3028	Calibration Technologists and Technicians	46,736	55,683	61.696	Yes	Yes	Yes	Associate's degree		Yes	Yes	No
17-3029	Engineering Technologists and Technicians, Except Drafters, All Other	37,003	63,736	81,661	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3031	Surveying and Mapping Technicians	30,527	45.069	51,395	No	No	No	Associate's degree		No	No	No
19-1011	Animal Scientists	35,384	77,405	115,406	Yes	Yes	Yes	Master's degree		No	No	Yes
19-1012	Food Scientists and Technologists	48,285	73,162	84,177	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19-1013	Soil and Plant Scientists	56,992	91,988	117,901	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-1021	Biochemists and Biophysicists	38,020	83,265	104,939	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-1022	Microbiologists	34,521	56,774	69,545	Yes	Yes	Yes	Master's degree		No	No	No
19-1023	Zoologists and Wildlife Biologists	34,798	46,269	49,171	Yes	No	No	Master's degree		No	No	No
19-1029	Biological Scientists, All Other	36,046	57,827	54,080	Yes	Yes	No	Bachelor's degree		No	No	No
19-1031	Conservation Scientists	29,383	56,603	71,138	No	Yes	Yes	Bachelor's degree		No	No	No
19-1032	Foresters	35,441	57,277	67,450	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1041	Epidemiologists	54,878	82,592	97,193	Yes	Yes	Yes	Doctoral or professional degree	_	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	51,631	69,415	76,995	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19-1099 19-2011	Life Scientists, All Other Astronomers	53,484	82,137	87,778	Yes	Yes	Yes	Bachelor's degree	-	Yes	No No	No
19-2011	Physicists	73,859 73.859	151,075 151,075	211,926 211,926	Yes Yes	Yes	Yes Yes	Doctoral or professional degree		No No	No No	Yes Yes
19-2012	Atmospheric and Space Scientists	73,859 59.353	79.596	211,926 85.749	Yes	Yes	Yes	Doctoral or professional degree Bachelor's degree	-	Yes	No No	Yes No
19-2021	Chemists	59,353 45.531	79,596	88,506	Yes	Yes	Yes	Bachelor's degree		No No	No	No No
19-2031	Materials Scientists	45,531 65,298	110,125	128.832	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	37,493	57,295	62,428	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	29,732	78,682	99,822	No	Yes	Yes	Bachelor's degree		No	No	Yes
19-2043	Hydrologists	41,092	64,672	77,130	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2099	Physical Scientists, All Other	42,912	102,398	126,869	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
19-3011	Economists	57,438	91,220	111,206	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
19-3022	Survey Researchers	50,156	95,553	121,180	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
19-3032	Industrial-Organizational Psychologists	70,569	121,446	146,960	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3033	Clinical and Counseling Psychologists	31,639	86,730	119,847	No	Yes	Yes	Doctoral or professional degree		No	No	No
19-3034	School Psychologists	49,527	66,057	77,347	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3039	Psychologists, All Other	46,695	95,353	114,382	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3041	Sociologists	27,828	55,655	48,212	No	Yes	No	Master's degree		No	No	No
19-3051	Urban and Regional Planners	42,043	70,745	81,172	Yes	Yes	Yes	Master's degree		No	No	No

Wages - Workforce Re May 2022	egion 17	Annual W	ages (\$) by Occupat	tion	Wage Meet	s or Evenade All (Occupation Metric	ı	Wa	no Moots or Evco	eds Educational Level Metric
Way 2022			Average Annual	High-Level Wage	Representative	Average Annu			Represe		rage Annual High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting		
									ļ		
19-3091 19-3092	Anthropologists and Archeologists Geographers	37,982	59,799	70,740	Yes	Yes	Yes	Master's degree	No	No	No
19-3093	Historians	34.133	68.180	92.803	Yes	Yes	Yes	Master's degree	No	No	Yes
19-3094	Political Scientists	36,465	91,068	123,636	Yes	Yes	Yes	Master's degree	No	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	58,574	72,391	77,230	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-4012	Agricultural Technicians	28,491	37,897	43,993	No	No	No	Associate's degree	No	No	No
19-4013	Food Science Technicians	28,202	45,775	47,278	No	No	No	Associate's degree	No	No	No
19-4021 19-4031	Biological Technicians Chemical Technicians	28,371 38,146	42,984 57,225	55,162 66,408	No Yes	No Yes	No Yes	Bachelor's degree Associate's degree	No Yes	No Yes	No Yes
19-4042	Environmental Science and Protection Technicians, Including Health	38,228	55,165	61,951	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
19-4043	Geological Technicians, Except Hydrologic Technicians	30,873	39,450	43,108	No	No	No	Associate's degree	No	No	No
19-4044	Hydrologic Technicians	34,237	53,512	63,999	Yes	Yes	Yes	Associate's degree	No	No	Yes
19-4051	Nuclear Technicians	37,072	60,216	76,438	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
19-4061	Social Science Research Assistants	29,174	46,762	53,702	No	No	No	Bachelor's degree	No	No	No
19-4071 19-4092	Forest and Conservation Technicians Forensic Science Technicians	32,255 35,574	44,733 57,826	53,228 70,986	No Yes	No Yes	No Yes	Associate's degree	No No	No No	No No
19-4092	Life, Physical, and Social Science Technicians, All Other	27.040	40.543	46.811	No	No	No.	Bachelor's degree Bachelor's degree	No.	No	No
19-5011	Occupational Health and Safety Specialists	42,087	67,956	81.721	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	39,804	54,632	57,956	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	33,735	48,922	58,264	Yes	No	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	32,614	44,304	47,903	No	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	24,946 38.074	41,344	39,896	No	No	No	Master's degree	No	No	No
21-1018 21-1019	Substance Abuse, Behavioral Disorder, and Mental Health Counselors Counselors. All Other	38,074 28,852	58,322 40.447	73,355 43.538	Yes No	Yes No	Yes No	Bachelor's degree	No No	No No	No No
21-1015	Child, Family, and School Social Workers	29,235	44,408	54,443	No	No	No	Master's degree Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	24,188	50,631	64,159	No	No	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	30,920	49,509	66,093	No	No	Yes	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	39,603	50,343	58,053	Yes	No	No	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	34,285	51,070	63,921	Yes	No	Yes	Bachelor's degree	No	No	No
21-1092 21-1093	Probation Officers and Correctional Treatment Specialists Social and Human Service Assistants	33,114 24.172	41,978 36.031	47,819 42,327	No No	No No	No No	Bachelor's degree	No No	No No	No No
21-1093	Community Health Workers	32,136	44,599	50.392	No No	No	No No	Some college, no degree Bachelor's degree	No No	No No	No No
21-1099	Community and Social Service Specialists, All Other	20.800	40,989	47.241	No	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	30,159	50,014	56,936	No	No	No	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	26,627	55,468	67,053	No	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	27,780	45,927	57,864	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	57,752	127,402	159,975	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
23-1012 23-1021	Judicial Law Clerks Administrative Law Judges, Adjudicators, and Hearing Officers	35,432 40,428	53,712 88,859	60,225 110,343	Yes Yes	Yes	Yes Yes	Doctoral or professional degree	No No	No No	No No
23-1021	Arbitrators, Mediators, and Conciliators	41,788	62,965	74.984	Yes	Yes	Yes	Doctoral or professional degree Bachelor's degree	No	No	No
23-1023	Judges, Magistrate Judges, and Magistrates	40,428	88,859	110,343	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-2011	Paralegals and Legal Assistants	35,090	50,062	57,072	Yes	No	No	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	32,808	51,820	58,443	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	30,430	49,753	51,548	No	No	No	Associate's degree	No	No	No
25-1011	Business Teachers, Postsecondary	36,349	82,948	98,084	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021 25-1022	Computer Science Teachers, Postsecondary Mathematical Science Teachers, Postsecondary	46,994 47.118	82,204 67.000	98,589 77.618	Yes Yes	Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No
25-1022	Architecture Teachers, Postsecondary	36,797	97,638	122,423	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	44,619	85,645	117,824	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	42,609	59,116	71,878	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	47,621	74,943	79,751	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	42,609	59,116	71,878	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051 25-1052	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary Chemistry Teachers, Postsecondary	44,391 37.868	61,003 77,462	59,106 93,040	Yes Yes	Yes	Yes Yes	Doctoral or professional degree	No No	No No	No No
25-1052	Environmental Science Teachers, Postsecondary	42,230	68,645	93,040 85.578	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No No	No	No No
25-1054	Physics Teachers, Postsecondary	45,491	61,145	60,424	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	44,391	80,885	95,031	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	46,108	63,572	72,987	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	44,610	56,490	51,863	Yes	Yes	No	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	44,391	61,003	59,106	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065 25-1066	Political Science Teachers, Postsecondary Psychology Teachers, Postsecondary	43,074 48,438	60,652 77,847	56,006 89,259	Yes	Yes	No Yes	Doctoral or professional degree	No No	No No	No No
25-1066	Sociology Teachers, Postsecondary Sociology Teachers, Postsecondary	48,438 45,434	95.676	89,259 114,269	Yes Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No
25-1069	Social Sciences Teachers, Postsecondary, All Other	43,984	61,894	72,826	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	45,237	82,672	94,565	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
25-1072	Nursing Instructors and Teachers, Postsecondary	47,840	72,641	77,231	Yes	Yes	Yes	Master's degree	No	No	No
25-1081	Education Teachers, Postsecondary	21,563	71,492	81,425	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	45,965	70,408	77,585	Yes	Yes	Yes	Doctoral or professional degree	No No	No	No No
25-1111 25-1112	Criminal Justice and Law Enforcement Teachers, Postsecondary Law Teachers, Postsecondary	44,551 43.026	62,253 134.037	61,928 198.197	Yes	Yes	Yes Yes	Doctoral or professional degree	No No	No No	No Yes
25-1112	Social Work Teachers, Postsecondary	43,026 58,120	66,663	73,253	Yes Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	Yes No
25-1113	Art, Drama, and Music Teachers, Postsecondary	46,974	93,855	95,822	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	45,977	69,345	81,038	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	46,619	63,937	74,075	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	38,978	64,444	74,826	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	39,878	52,801	46,468	Yes	Yes	No	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	43,225	63,970	74,978	Yes	Yes	Yes	Doctoral or professional degree	No No	No No	No No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	35,972	70,854	81,340	Yes	Yes	Yes	Master's degree	No	No	No

Commission Com	iges - Workforce Reg	jion 17	Annual W	ages (¢) by Ossumat	ion	Waga Maat	s or Evenode All C	Occupation Motris			Waga Moats	or Exceeds Education	anal Loyal Matric
Segment December	iy 2022									R		Average Annual	High-Level Wage
20.000 Control Person Marker Services 15,000 15,0	ccupational Code	Occupational Title							Educational Requirement			Wage	Threshold
19.15													
Additional Content			,	,								No	No
April Proceed Services April Process A												No No	No No
2-2021 Mantener Frances Mantener State Mantener S			,	,	,							No No	No No
Security Stand Teacher, Secu			, .	,	,							No	No
2002 Selection Technology Company of Communication												No	No
Section Control Control Medician Technical Medician Control Co												No	No
2-2001												No	No
2002 Service (Friendles Exposer) (Service)												No	No
25.005 Special Education Section (Section 1997 16.007 17.0		Career/Technical Education Teachers, Secondary School						Yes	Bachelor's degree	N	No	No	No
25250 Special Education Sections (1998) 66,938 66	5-2051	Special Education Teachers, Preschool	37,033	44,976	47,389	Yes	No	No	Bachelor's degree	N	No	No	No
2-2009		Special Education Teachers, Kindergarten and Elementary School	41,689	54,783	61,685	Yes	Yes	Yes	Bachelor's degree	N	No	No	No
2,900 Serie Machine Merkers - All Debre 1000		.,							Bachelor's degree			No	No
Add the Control Adult Secretary Secretary, and region as Secretary 1,000		.,										No	No
1-2-1-11	5-2059		30,001	47,462	57,610	No	No	No	Bachelor's degree	N	No	No	No
2-9201 Self-Ordinanter Facility of Mode 19,000 19													
2-2000 Substitute Funders, Shart-Free 100		. 0	,	,	,							No	No
2-3-900 Typico			.,	,	,							No	Yes
24.00 Transferre and functions, Al Option												No No	No No
2-401												No No	No No
25-901												No No	No No
24-912 Maximum Technolograe Genomerators 2,8,19 4,1/2 3,3,1/4 10, 10 10 10 10 10 10 10												No No	No No
2-402 Universisted Medical Collections Specialists 2-0.00 1.0.1 1.0.									· ·			No	No.
25-401			20,0.0									No	No
25-901			-,	- '								No	No
2-9911 Instructional Confidence 3-5,861 54,799 74,799 74 76 76 76 76 76 76 76			,									No	No
25-966 Teaching Antication, Energy Poststonominy 22-398 28-248 No				58,799	74,679		Yes	Yes				No	No
25-909	5-9044	Teaching Assistants, Postsecondary	21,553	39,524	47,780	No	No	No	Bachelor's degree	N	No	No	No
25-909	5-9045	Teaching Assistants, Except Postsecondary	22,598	26,748	28,243	No	No	No	Some college, no degree	N	No	No	No
2-1012	5-9099									N	No	No	No
2-1013			64,100	90,261	108,994	Yes	Yes	Yes	Bachelor's degree	Y	'es	Yes	Yes
27-1014 Special Effects Artifles and Allamators 43,889 62,883 72,115 Ves Ves Bachelor's degree No			,	,	0.,000							No	No
2-7.019				,								No	No
27-1021 Commercial and Industrial Designers 37,941 62,229 72,266 Ves Ves Ves Bachelor's degree No			,						Bachelor's degree			No	No
Fashion Designers 33,489 64,084 75,379 ves ves 8acheber's degree No No No No No No No												Yes	Yes
27-1023									· ·			No	No
27-1024 Graphic Designers 33,841 \$2,304 60,906 Yes Yes Yes Bachelor's degree No												No	No
27-1025 Interior Designers 33,851 59,708 66,728 Ves Ves Ves Sacher's degree No												No	No
27-1026												No No	No No
27-1017												No No	No No
27-1029												No	No
27-2011												No	No
27-2012												No	No
27-2021		*** *										No	No
27-2023 Umprès, Referees, and Other Sports Officials 20,119 43,917 44,145 No No No No Some college, no degree No 27-2032 Choregraphers 28,558 32,558 30,425 No No No No No High-shoot officials of no degree No 27-2032 Choregraphers 28,558 32,558 30,425 No No No No No No High-shoot officials of no degree No No No No No No No No High-shoot officials of no degree No												Yes	Yes
27-2023 Umprès, Referees, and Other Sports Officials 20,119 43,917 44,145 No No No No Some college, no degree No 27-2032 Choregraphers 28,558 32,558 30,425 No No No No No High-shoot officials of no degree No 27-2032 Choregraphers 28,558 32,558 30,425 No No No No No No High-shoot officials of no degree No No No No No No No No High-shoot officials of no degree No	7-2022		25,142	60,085		No	Yes	Yes		N	No	No	No
27-2031 Dancers 28,558 32,568 30,425 No No No No High school diploma or equivalent No			20,119				No	No	Some college, no degree	N	No	Yes	No
27-2041 Music Directors and Composers 31,808 52,824 58,192 No Yes No Bachelor's degree No 27-2042 Musicians and Singers 31,808 52,824 58,192 No Yes No	7-2031	Dancers	28,558	32,568	30,425	No	No	No		N	No	No	No
27-2042 Musicians and Singers 28,558 32,568 30,425 No No No No No No No Research No 27-2091 Disc Lockeys, Except Radio 21,048 57,551 56,992 No Yes No Bachelor's degree No 27-2099 Entertainers and Performers, Sports and Related Workers, All Other 21,048 57,551 56,992 No Yes No Some college, no degree No No 27-2011 Broadcast Announcers and Radio Disc Lockeys 21,048 57,551 56,992 No Yes No Bachelor's degree No No Yes No No No No No No No No							No	No	Some college, no degree	N	No	No	No
27-2091 Disc Jockeys, Except Radio 21,048 57,551 56,992 No Yes No Bachelor's degree No 27-2099 Entertainers and Featomers, Sports and Related Workers, All Other 21,048 57,551 56,992 No Yes No Some college, no degree No 27-3011 Broadcast Announcers and Radio Disc Jockeys 21,048 57,551 56,992 No Yes No Bachelor's degree No 27-3023 News Analysts, Reporters, and Journalists 34,370 68,683 81,947 Yes Yes Yes Bachelor's degree No No 27-3024 Public Relations Specialists 34,370 68,683 81,947 Yes Yes Yes Bachelor's degree No No 27-3024 Editors 27-3024 Editor												No	No
27-2099 Entertainers and Performers, Sports and Related Workers, All Other 21,048 57,551 56,992 No Yes No Some college, no degree No 27-3013 Post Announcers and Radio Disc Jockeys 21,048 57,551 56,992 No Yes No Bachelor's degree No No 27-3023 New Analysts, Reporters, and Journalists 34,70 68,683 81,947 Yes Yes Yes Sachelor's degree No No 27-3014 Public Relations Specialists 30,971 56,799 68,494 No Yes Yes Bachelor's degree No No 27-3041 Editors Specialists 31,760 62,484 76,194 Yes Yes Yes Bachelor's degree No No 27-3042 Technical Writers 41,316 69,102 83,513 Yes Yes Yes Bachelor's degree No No 27-3042 Technical Writers 41,316 69,102 83,513 Yes Yes Yes Bachelor's degree No No 27-3091 Interpreters and Translators 23,748 58,304 63,190 No Yes Yes Bachelor's degree No No 27-3092 Interpreters and Translators 26,823 49,985 60,576 No No Yes Yes Bachelor's degree No No 27-3099 Media and Communication Workers, All Other 20,053 44,780 55,418 No No No No Associate's degree No No 27-4011 Audio and Video Technicians 30,091 46,440 51,105 No No No Associate's degree No No 27-4014 Sound Engineering Technicians 25,637 64,245 95,600 No Yes Yes 48 Associate's degree No No 27-4014 Sound Engineering Technicians 25,637 64,245 95,600 No Yes Yes Associate's degree No No No No No No No												No	No
27-3011 Broadcast Announcers and Radio Disc Jockeys 21,048 57,551 56,992 No Yes No Bachelor's degree No												No	No
27-3023 News Analysts, Reporters, and Journalists 34,370 68,683 81,947 Yes Yes Yes Bachelor's degree No												Yes	Yes
27-3031 Public Relations Specialists 30,971 56,799 68,494 No Yes Yes Bachelor's degree No 73,960 62,848 76,194 Yes Yes Yes Bachelor's degree No 73,964 76,194 Yes Yes Yes Yes Bachelor's degree No 73,943 Writers and Authors 34,442 63,319 77,209 Yes Yes Yes Bachelor's degree No 72,3991 Interpreters and Translators 34,442 63,319 77,209 Yes Yes Yes Bachelor's degree No 72,3991 Interpreters and Translators 72,488 78,304 63,190 No Yes Yes Pes			,									No	No
27-3041 Editors 27-3042 Editors 37,960 62,848 76,194					- ,.							No	No
27-3042 Technical Writers 41,315 69,102 83,513 77,209 Ves Ves Ves Bachelor's degree No												No	No
27-3043 Writers and Authors 34,442 63,319 77,209 Ves Yes Yes Bachelor's degree No												No No	No No
27-3091 Interpreters and Translators 23,748 58,304 63,190 No Yes Yes Bachelor's degree No												No No	No No
27-3092 Court Reporters and Simultaneous Captioners 26,823 49,985 60,576 No No Yes Postsecondary nondegree award No 27-3099 Media and Communication Workers, All Other 20,053 44,780 55,418 No No No No Associate's degree No 27-4011 Audio and Video Technicians 30,091 46,440 51,105 No No No No No Associate's degree No 27-4012 Broadcast Technicians 25,846 60,794 80,326 No Yes Yes Associate's degree No 27-4014 Sound Engineering Technicians 25,847 64,245 95,600 No Yes Yes Associate's degree No 27-4015 Lighting Technicians 28,434 46,724 57,504 No No No No No Associate's degree No 27-4015 Lighting Technicians 28,434 46,724 57,504 No No No No Associate's degree No 27-4021 Photographers 25,2011 42,216 50,008 No No No No Some college, no degree No 27-4031 Camera Operators, Television, Video, and Film 28,823 55,987 61,837 No Yes Yes Bachelor's degree No 27-4032 Film and Video Editors 30,627 45,793 54,607 No No No No Bachelor's degree No 29-1011 Chiropractors 31,976 79,737 97,070 No Yes Yes Doctoral or professional degree No 29-1011 Chiropractors 49,805 215,519 * Yes Yes Pes Doctoral or professional degree No 215,519 Yes Yes Pes Doctoral or professional degree No 29-1022 Oral and Maxillofacial Surgeons 49,805 215,519 * Yes Yes Pes Doctoral or professional degree No 2000 Professional degree No No 215,519 No Yes Yes Doctoral or professional degree No No 29-1022 Oral and Maxillofacial Surgeons 49,805 215,519 * Yes Yes Doctoral or professional degree No Doctoral or professional degree No No No No No Pes Yes Doctoral or professional degree No No No No No Pes Yes Doctoral or professional degree No No Yes Yes Pes Doctoral or professional degree No No Yes Yes Doctoral or professional degree No No Pes Yes Pes Pes Doctoral or professional degree No No No Pes Yes Pes Doctoral or professional degree No Doctoral or professional deg												No No	No No
27-3099 Media and Communication Workers, All Other 20,053 44,780 55,418 No No No Associate's degree No 27-4011 Audio and Video Technicians 30,091 46,440 51,005 No No No No Associate's degree No 27-4012 Broadcast Technicians 25,846 60,794 80,325 No Yes Yes Associate's degree No 27-4014 Sound Engineering Technicians 25,637 64,245 95,600 No Yes Yes Associate's degree No 27-4015 Ughting Technicians 28,434 46,724 57,504 No No No Associate's degree No 27-4021 Photographers 25,021 42,216 50,008 No No No Some college, no degree No 27-4031 Camera Operators, Television, Video, and Film 28,823 55,987 61,837 No Yes Yes Bachelor's degree No 27-4032 Fili mad Video Editors												No Yes	No Yes
27-4011 Audio and Video Technicians 30,091 46,440 51,105 No No No Associate's degree No 27-4012 Broadcast Technicians 25,866 60,794 80,266 No Yes Yes Associate's degree No 27-4014 Sound Engineering Technicians 25,637 64,245 95,600 No Yes Yes Associate's degree No 27-4015 Lighting Technicians 28,434 46,724 57,504 No No No No No Associate's degree No 27-4021 Photographers 25,011 42,216 50,008 No No No No Associate's degree No 27-4031 Camera Operators, Television, Video, and Film 28,823 55,987 61,837 No Yes Yes Bachelor's degree No 27-4032 Film and Video Editors 30,627 45,793 54,607 No No No No Bachelor's degree No 27-4099			,		,							Yes No	Yes No
27-4012 Broadcast Technicians 25,846 60,794 80,326 No Yes Yes Associate's degree No 27-4014 Sound Engineering Technicians 25,637 64,245 95,000 No Yes Yes Associate's degree No 27-4015 Lighting Fechnicians 28,434 46,724 57,504 No No No Associate's degree No 27-4021 Photographers 25,021 42,216 50,008 No No No Some college, no degree No 27-4031 Camera Operators, Television, Video, and Film 28,823 55,987 61,837 No Yes Yes Bachelor's degree No 27-4032 Film and Video Editors 30,627 45,793 54,607 No No No No Bachelor's degree No 27-4039 Media and Communication Equipment Workers, All Other 26,472 63,800 87,778 No Yes Yes Associate's degree No 29-1011 Chiropractors </td <td></td> <td>No</td> <td>No</td>												No	No
27-4014 Sound Engineering Technicians 25,637 64,245 95,600 No Yes Yes Associate's degree No 27-4015 Lighting Technicians 28,434 46,724 57,504 No No No No Associate's degree No 27-4021 Photographers 2,216 50,008 No No No No Some college, no degree No 27-4031 Camera Operators, Television, Video, and Film 28,823 55,987 61,837 No Yes Bachelor's degree No 27-4032 Film and Video Editors 30,627 45,793 54,607 No No No Bachelor's degree No 27-4099 Media and Communication Equipment Workers, All Other 26,472 63,800 87,778 No Yes Yes Associate's degree No 29-1011 Chiropractors 25,672 63,800 87,778 No Yes Yes Doctoral or professional degree No 29-1021 Deltists, General 6				,								Yes	Yes
27-4015 Lighting Technicians 28,434 46,724 57,504 No			-,									Yes	Yes
27-4021 Photographers 25,021 42,216 50,008 No No No Some college, no degree No 27-4031 Camera Operators, Television, Video, and Film 28,823 55,987 61,837 No Yes Yes Bachelor's degree No 27-4032 Fill mand Video Editors 30,627 45,793 54,607 No N												No	No
27-4031 Camera Operators, Television, Video, and Film 28,823 55,987 61,837 No Yes Yes Bachelor's degree No 27-4032 Film and Video Editors 30,627 45,793 54,607 No No No No Bachelor's degree No 27-4099 Media and Communication Equipment Workers, All Other 26,472 63,800 87,778 No Yes Yes Associate's degree No 29-1011 Chicopractors 31,976 79,737 97,070 No Yes Yes Doctoral or professional degree No 29-1021 Dentists, General 60,781 170,943 211,431 Yes Yes Yes Doctoral or professional degree No 29-1022 Oral and Maxillofacial Surgeons 49,805 215,519 * Yes Yes Doctoral or professional degree No												Yes	Yes
27-4032 Film and Video Editors 30,627 45,793 54,607 No No No Bachelor's degree No 27-4099 Media and Communication Equipment Workers, All Other 26,472 63,800 87,778 No Yes Yes Associate's degree No 29-1011 Chiropractors 31,976 79,737 97,070 No Yes Yes Doctoral or professional degree No 29-1021 Dentists, General 60,781 170,943 211,431 Yes Yes Yes Doctoral or professional degree No 29-1022 Oral and Maxillofacial Surgeons 49,805 215,519 * Yes Yes Pes* Doctoral or professional degree No	7-4031								*			No	No
27-4099 Media and Communication Equipment Workers, All Other 26,472 63,800 87,778 No Yes Yes Associate's degree No 29-1011 Chiropractors 31,976 79,737 97,070 No Yes Yes Doctoral or professional degree No 29-1021 Dentists, General 60,781 170,943 211,431 Yes Yes Yes Doctoral or professional degree No 29-1022 Oral and Maxillofacial Surgeons 49,805 215,519 * Yes Yes Yes Doctoral or professional degree No												No	No
29-1011 Chiropractors 31,976 79,737 97,070 No Yes Yes Doctoral or professional degree No 29-1021 Dentists, General 60,781 170,943 211,431 Yes Yes Yes Doctoral or professional degree No 29-1022 Oral and Maxillofacial Surgeons 49,805 215,519 * Yes Yes Yes Doctoral or professional degree No												Yes	Yes
29-1021 Dentists, General 60,781 170,943 211,431 Yes Yes Yes Doctoral or professional degree No 29-1022 Oral and Maxillofacial Surgeons 49,805 215,519 * Yes Yes Yes Doctoral or professional degree No	9-1011	Chiropractors	31,976	79,737	97,070	No	Yes	Yes		N	No	No	No
29-1022 Oral and Maxillofacial Surgeons 49,805 215,519 * Yes Yes Yes* Doctoral or professional degree No		Dentists, General										Yes	Yes
	9-1022	Oral and Maxillofacial Surgeons		215,519	*							Yes	Yes*
		Orthodontists			201,857	Yes	Yes	Yes	Doctoral or professional degree	N	No	Yes	Yes
29-1024 Prosthodontists 49,805 215,519 * Yes Yes Yes Doctoral or professional degree No					*		Yes	Yes*				Yes	Yes*
29-1029 Dentists, All Other Specialists 49,805 215,519 * Yes Yes Yes* Doctoral or professional degree No	9-1029	Dentists, All Other Specialists	49,805	215,519	*	Yes	Yes	Yes*	Doctoral or professional degree	N	No	Yes	Yes*

Wages - Workforce Re May 2022	egion 17	A	/ages (\$) by Occupat	u	W M	F d- All (Occupation Metric	1		14/ 84	or Exceeds Educati	!!!84-4
way 2022			Average Annual	High-Level Wage	Representative	Average Annu			R	tepresentative	Average Annual	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		tarting Wage	Wage	Threshold
29-1031 29-1041	Dietitians and Nutritionists Optometrists	41,370 69,452	57,648 128.065	67,725 164.186	Yes Yes	Yes	Yes Yes	Bachelor's degree	N N		No No	No Yes
29-1041	Pharmacists	65,510	128,005	137.755	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree		lo	No No	No.
29-1071	Physician Assistants	46,256	105.741	123,753	Yes	Yes	Yes	Master's degree		lo	Yes	Yes
29-1081	Podiatrists	29,364	123,968	176,456	No	Yes	Yes	Doctoral or professional degree		lo .	No	Yes
29-1122	Occupational Therapists	74,443	94,048	100,353	Yes	Yes	Yes	Master's degree		'es	Yes	Yes
29-1123	Physical Therapists	64,686	94,546	107,489	Yes	Yes	Yes	Doctoral or professional degree		lo .	No	No
29-1124	Radiation Therapists	63,532	77,957	83,084	Yes	Yes	Yes	Associate's degree		'es	Yes	Yes
29-1125 29-1126	Recreational Therapists Respiratory Therapists	28,890 50.728	51,464 66.882	59,855 66,383	No Vos	No	Yes	Bachelor's degree		lo.	No Yes	No Yes
29-1127	Speech-Language Pathologists	48,918	78,365	95,471	Yes Yes	Yes	Yes Yes	Associate's degree Master's degree		'es Io	Yes	Yes
29-1128	Exercise Physiologists	37,565	50.298	53,787	Yes	No	No	Master's degree	N		No	No
29-1129	Therapists, All Other	33,611	58,869	72,911	Yes	Yes	Yes	Bachelor's degree		lo .	No	No
29-1131	Veterinarians	60,648	116,758	132,136	Yes	Yes	Yes	Doctoral or professional degree	N	lo .	No	No
29-1141	Registered Nurses	62,333	74,666	82,209	Yes	Yes	Yes	Bachelor's degree		'es	No	No
29-1151 29-1161	Nurse Anesthetists	115,975	165,344	189,816	Yes	Yes	Yes	Master's degree		'es	Yes	Yes
29-1161	Nurse Midwives Nurse Practitioners	59,846 83,517	92,623 109,197	106,399 116,932	Yes Yes	Yes	Yes Yes	Master's degree Master's degree		'es 'es	Yes	Yes Yes
29-1171	Audiologists	58,775	90,101	101,858	Yes	Yes	Yes	Doctoral or professional degree		lo	No	No
29-1211	Anesthesiologists	98,606	284,420	*	Yes	Yes	Yes*	Doctoral or professional degree		'es	Yes	Yes*
29-1212	Cardiologists	223,009	515,251	*	Yes	Yes	Yes*	Doctoral or professional degree	Ye	'es	Yes	Yes*
29-1213	Dermatologists	59,040	246,485	*	Yes	Yes	Yes*	Doctoral or professional degree		lo	Yes	Yes*
29-1214	Emergency Medicine Physicians	217,574	345,042	*	Yes	Yes	Yes*	Doctoral or professional degree		'es	Yes	Yes*
29-1215	Family Medicine Physicians Constal Internal Medicine Physicians	174,100	282,439	*	Yes	Yes	Yes*	Doctoral or professional degree		es	Yes	Yes*
29-1216 29-1217	General Internal Medicine Physicians Neurologists	220,523 88.508	397,215 260.499		Yes Yes	Yes	Yes* Yes*	Doctoral or professional degree Doctoral or professional degree		'es 'es	Yes	Yes* Yes*
29-1218	Obstetricians and Gynecologists	220,774	414,799	*	Yes	Yes	Yes*	Doctoral or professional degree		'es	Yes	Yes*
29-1221	Pediatricians, General	171,830	218,378	230,807	Yes	Yes	Yes	Doctoral or professional degree		'es	Yes	Yes
29-1222	Physicians, Pathologists	94,254	241,451	*	Yes	Yes	Yes*	Doctoral or professional degree		'es	Yes	Yes*
29-1223	Psychiatrists	53,544	273,490	*	Yes	Yes	Yes*	Doctoral or professional degree	N	lo	Yes	Yes*
29-1224	Radiologists	90,460	286,238	*	Yes	Yes	Yes*	Doctoral or professional degree		es	Yes	Yes*
29-1229 29-1241	Physicians, All Other	131,940 96,719	296,003 208.190		Yes	Yes	Yes* Yes*	Doctoral or professional degree		'es	Yes	Yes*
29-1241	Ophthalmologists, Except Pediatric Orthopedic Surgeons, Except Pediatric	61,296	208,190 390.549	*	Yes Yes	Yes	Yes*	Doctoral or professional degree Doctoral or professional degree		'es Io	Yes	Yes* Yes*
29-1242	Pediatric Surgeons	61,628	303.809	*	Yes	Yes	Yes*	Doctoral or professional degree	N		Yes	Yes*
29-1249	Surgeons, All Other	226,935	456,156	*	Yes	Yes	Yes*	Doctoral or professional degree		'es	Yes	Yes*
29-1291	Acupuncturists	27,496	47,937	51,758	No	No	No	Master's degree	N	lo	No	No
29-1292	Dental Hygienists	62,224	75,611	80,179	Yes	Yes	Yes	Associate's degree		'es	Yes	Yes
29-1299	Healthcare Diagnosing or Treating Practitioners, All Other	29,980	52,602	68,171	No	Yes	Yes	Master's degree		lo .	No	No
29-2010 29-2031	Clinical Laboratory Technologists and Technicians Cardiovascular Technologists and Technicians	30,787 26,761	55,979 53,949	76,527 70,072	No No	Yes	Yes Yes	Associate's degree Associate's degree		lo lo	Yes No	Yes Yes
29-2032	Diagnostic Medical Sonographers	60,603	73,187	82,254	Yes	Yes	Yes	Associate's degree		es es	Yes	Yes
29-2033	Nuclear Medicine Technologists	60,631	82.785	87,543	Yes	Yes	Yes	Associate's degree		'es	Yes	Yes
29-2034	Radiologic Technologists and Technicians	43,660	61,069	65,112	Yes	Yes	Yes	Associate's degree	Ye	'es	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	54,559	62,875	73,902	Yes	Yes	Yes	Associate's degree	Ye	'es	Yes	Yes
29-2036	Medical Dosimetrists	95,780	121,171	134,701	Yes	Yes	Yes	Postsecondary nondegree award		es	Yes	Yes
29-2042	Emergency Medical Technicians	28,646	40,271	47,436	No	No	No	Postsecondary nondegree award		lo	No	No
29-2043 29-2051	Paramedics Dietetic Technicians	31,685 22,584	51,112 29,402	56,475 31,791	No No	No No	No No	Postsecondary nondegree award		lo lo	Yes No	Yes No
29-2052	Pharmacy Technicians	30,250	36,683	39,679	No	No	No	Associate's degree Postsecondary nondegree award		lo	No	No
29-2053	Psychiatric Technicians	26,562	35,979	37,084	No	No	No	Postsecondary nondegree award		lo	No	No
29-2055	Surgical Technologists	38,524	49,222	53,914	Yes	No	No	Postsecondary nondegree award		'es	Yes	Yes
29-2056	Veterinary Technologists and Technicians	28,848	36,892	44,026	No	No	No	Associate's degree	N	lo	No	No
29-2057	Ophthalmic Medical Technicians	28,435	40,046	46,422	No	No	No	Postsecondary nondegree award		lo	No	No
29-2061 29-2072	Licensed Practical and Licensed Vocational Nurses Medical Records Specialists	38,673	49,057	52,476	Yes	No	No	Postsecondary nondegree award		'es	Yes	Yes
29-2072	Opticians, Dispensing	30,386 30,552	49,425 49,571	62,276 60,277	No No	No No	Yes Yes	Postsecondary nondegree award Postsecondary nondegree award	N N	lo	Yes	Yes Yes
29-2001	Orthotists and Prosthetists	45.710	75,914	109.824	Yes	Yes	Yes	Master's degree	N		No	Yes
29-2092	Hearing Aid Specialists	29,582	50,308	63,525	No	No	Yes	Postsecondary nondegree award	N	lo	Yes	Yes
29-2099	Health Technologists and Technicians, All Other	30,842	41,853	46,088	No	No	No	Postsecondary nondegree award		lo	No	No
29-9021	Health Information Technologists and Medical Registrars	31,200	50,007	62,537	No	No	Yes	Postsecondary nondegree award	N	lo	Yes	Yes
29-9091	Athletic Trainers	40,046	50,529	59,492	Yes	No	Yes	Bachelor's degree	N		No	No
29-9092	Genetic Counselors	48,772	84,166	97,638	Yes	Yes	Yes	Master's degree		lo .	Yes	Yes
29-9093 29-9099	Surgical Assistants Healthcare Practitioners and Technical Workers, All Other	32,578 34,150	58,338 86,203	68,104 80,549	No Vec	Yes	Yes Yes	Postsecondary nondegree award		'es 'es	Yes	Yes Yes
31-1120	Home Health and Personal Care Aides	21,724	26,762	28.546	Yes No	No.	No.	Postsecondary nondegree award High school diploma or equivalent	N N		No	No
31-1131	Nursing Assistants	25,734	31,793	34,104	No	No	No	Postsecondary nondegree award	N		No	No
31-1132	Orderlies	25,003	27,503	30,230	No	No	No	High school diploma or equivalent		lo	No	No
31-1133	Psychiatric Aides	25,448	30,852	32,834	No	No	No	High school diploma or equivalent		lo	No	No
31-2011	Occupational Therapy Assistants	50,751	65,700	71,365	Yes	Yes	Yes	Associate's degree		'es	Yes	Yes
31-2012 31-2021	Occupational Therapy Aides	28,387 48,949	53,114	64,776 72,157	No	Yes	Yes	Postsecondary nondegree award		lo	Yes	Yes
31-2021 31-2022	Physical Therapist Assistants Physical Therapist Aides	48,949 23,188	64,971 30,250	72,157 31,800	Yes No	Yes No	Yes No	Associate's degree		'es lo	Yes	Yes No
31-2022	Massage Therapists	31,514	30,250 57.648	67,615	No No	Yes	Yes	Postsecondary nondegree award Postsecondary nondegree award		10	Yes	Yes
31-9091	Dental Assistants	34,502	41,609	45,800	Yes	No	No	Postsecondary nondegree award Postsecondary nondegree award		'es	No	No
31-9092	Medical Assistants	30,760	35,503	37,657	No	No	No	Postsecondary nondegree award	N		No	No
31-9093	Medical Equipment Preparers	24,924	35,147	41,463	No	No	No	High school diploma or equivalent	N	lo	No	No
31-9094	Medical Transcriptionists	29,084	42,414	50,274	No	No	No	Postsecondary nondegree award	N	lo	No	No

Nages - Workforce Re Nay 2022	egion 17	Annual M	ages (\$) by Occupat	tion	- 1	Wage Meets	or Evenade All C	Occupation Metric			Wage Meets	or Exceeds Educat	onal Level Metric
viay 2022			Average Annual	High-Level Wage	Repr	resentative	Average Annu				Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Star	rting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
31-9095	Pharmacy Aides	23,290	30,614	35,028	No		No	No	High school diploma or equivalent		No	No	No
31-9096 31-9097	Veterinary Assistants and Laboratory Animal Caretakers	25,476	31,431	34,322	No		No	No	High school diploma or equivalent	Ш	No	No	No
31-9097 31-9099	Phlebotomists Healthcare Support Workers, All Other	30,148 24,947	37,981 36,628	38,170 40.163	No No		No No	No No	Postsecondary nondegree award		No No	No No	No No
33-1011	First-Line Supervisors of Correctional Officers	39,916	51,360	50,251	Yes		No	No	High school diploma or equivalent	-	Yes	Yes	Yes
33-1011	First-Line Supervisors of Police and Detectives	59,195	84.279	94.286	Yes		Yes	Yes	Some college, no degree Bachelor's degree		Yes	Yes	No
33-1022	First-Line Supervisors of Fronce and Detectives First-Line Supervisors of Firefighting and Prevention Workers	50,743	73,479	77,709	Yes		Yes	Yes	Associate's degree		Yes	Yes	Yes
33-1091	First-Line Supervisors of Security Workers	30,469	49,495	52,162	No		No	No	Bachelor's degree		No	No	No
33-1099	First-Line Supervisors of Protective Service Workers, All Other	43,623	63,649	75,703	Yes		Yes	Yes	Some college, no degree		Yes	Yes	Yes
33-2011	Firefighters	31,103	39,165	44,776	No		No	No	Postsecondary nondegree award		No	No	No
33-2021	Fire Inspectors and Investigators	45,293	66,167	73,512	Yes		Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	52,773	86,782	97,970	Yes		Yes	Yes	Some college, no degree		Yes	Yes	Yes
33-3011	Bailiffs	27,666	52,498	61,828	No		Yes	Yes	High school diploma or equivalent		No	Yes	Yes
33-3012	Correctional Officers and Jailers	35,944	46,193	47,994	Yes		No	No	High school diploma or equivalent		Yes	Yes	No
33-3021	Detectives and Criminal Investigators	40,001	53,352	59,270	Yes		Yes	Yes	Some college, no degree		Yes	Yes	Yes
33-3031	Fish and Game Wardens	25,637	27,799	27,960	No		No	No	Bachelor's degree		No	No	No
33-3041	Parking Enforcement Workers	30,103	38,617	40,191	No		No	No	High school diploma or equivalent		Yes	No	No
33-3051 33-3052	Police and Sheriff's Patrol Officers	41,677	54,411	65,176	Yes		Yes	Yes	Associate's degree	ш	Yes	No	Yes
33-3052	Transit and Railroad Police Animal Control Workers	56,622	70,351	57,741	Yes		Yes	No	Associate's degree	1	Yes	Yes	No
		26,832	37,878	41,907	No		No	No	Postsecondary nondegree award	1	No	No	No
33-9021 33-9031	Private Detectives and Investigators Gambling Surveillance Officers and Gambling Investigators	34,462 26.898	56,348 33,782	73,735 36.617	Yes No		Yes	Yes No	Bachelor's degree High school diploma or equivalent		No No	No No	No No
33-9031	Security Guards	20,898	32,691	34,219	No		No	No	High school diploma or equivalent High school diploma or equivalent		No	No	No
33-9032	Crossing Guards and Flaggers	22,680	32,691	34,219	No No		No	No No	No formal educational credential	Н	Yes	No No	No No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	23,824	28,696	29,756	No		No	No	No formal educational credential No formal educational credential	Н	No	No	No
33-9093	Transportation Security Screeners	33,450	41.585	45,415	Yes		No	No	High school diploma or equivalent		Yes	No	No
33-9094	School Bus Monitors	21,646	25,846	26,993	No		No	No	High school diploma or equivalent	Н	No	No	No
33-9099	Protective Service Workers, All Other	29,642	42,169	46,365	No		No	No	High school diploma or equivalent		No	No	No
35-1011	Chefs and Head Cooks	31,399	54,207	62,959	No		Yes	Yes	Associate's degree		No	No	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	27,932	38,122	44,611	No		No	No	High school diploma or equivalent		No	No	No
35-2011	Cooks, Fast Food	22,116	25,527	28,126	No		No	No	No formal educational credential		No	No	No
35-2012	Cooks, Institution and Cafeteria	27,599	30,775	34,668	No		No	No	No formal educational credential		Yes	No	No
35-2013	Cooks, Private Household	30,672	55,807	68,768	No		Yes	Yes	Postsecondary nondegree award		No	Yes	Yes
35-2014	Cooks, Restaurant	23,023	31,285	34,879	No		No	No	High school diploma or equivalent		No	No	No
35-2015	Cooks, Short Order	23,161	29,515	33,208	No		No	No	No formal educational credential		No	No	No
35-2019	Cooks, All Other	24,312	30,810	34,511	No		No	No	No formal educational credential		Yes	No	No
35-2021	Food Preparation Workers	23,172	30,143	34,117	No		No	No	No formal educational credential		No	No	No
35-3011	Bartenders	20,800	33,834	36,427	No		No	No	No formal educational credential		No	Yes	Yes
35-3023	Fast Food and Counter Workers	22,027	25,159	26,800	No		No	No	No formal educational credential		No	No	No
35-3031	Waiters and Waitresses	20,800	32,126	36,302	No		No	No	No formal educational credential		No	Yes	Yes
35-3041	Food Servers, Nonrestaurant	22,326	27,469	30,017	No		No	No	No formal educational credential		No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	20,860	27,215	32,568	No		No	No	No formal educational credential		No	No	No
35-9021 35-9031	Dishwashers LG (6 Cl	21,664	25,935	28,277	No		No	No	No formal educational credential	ш	No	No	No
35-9031 35-9099	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop Food Preparation and Serving Related Workers, All Other	21,116 21.108	27,451 26,203	28,692 27,593	No No		No	No No	No formal educational credential	1	No	No	No
37-1011		21,108	43,679	27,593 52,735	No No		No No	No No	No formal educational credential	H	No No	No No	No Yes
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	34.507	43,679 51.388	61.364	Yes		No	Yes	High school diploma or equivalent Some college, no degree	-	Yes	Yes	Yes
37-2011	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Janitors and Cleaners, Except Maids and Housekeeping Cleaners	22,402	28,034	29,669	No		No	No	High school diploma or equivalent	H	No	No	No
37-2011	Maids and Housekeeping Cleaners	22,411	28,263	29,713	No		No	No	No formal educational credential		No	No	No
37-2019	Building Cleaning Workers, All Other	23,172	28,842	31,478	No		No	No	No formal educational credential		No	No	No
37-2021	Pest Control Workers	29,959	41,047	46,353	No		No	No	High school diploma or equivalent		No	No	No
37-3011	Landscaping and Groundskeeping Workers	24,960	32,677	35.621	No		No	No	No formal educational credential		Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	22,896	37,765	41,997	No		No	No	High school diploma or equivalent		No	No	No
37-3013	Tree Trimmers and Pruners	24,842	35,937	39,327	No		No	No	High school diploma or equivalent		No	No	No
37-3019	Grounds Maintenance Workers, All Other									Li			
39-1013	First-Line Supervisors of Gambling Services Workers	31,288	54,736	67,175	No		Yes	Yes	Some college, no degree	Li	Yes	Yes	Yes
	First-Line Supervisors of Entertainment and Recreation Workers, Except									l l			
39-1014	Gambling Services	29,030	48,397	56,192	No		No	No	Some college, no degree		Yes	Yes	Yes
39-1022	First-Line Supervisors of Personal Service Workers	28,608	43,806	50,430	No		No	No	Some college, no degree		No	Yes	Yes
39-2011	Animal Trainers	28,642	37,974	40,733	No		No	No	High school diploma or equivalent		No	No	No
39-2021	Animal Caretakers	22,959	30,822	32,591	No		No	No	High school diploma or equivalent		No	No	No
39-3011	Gambling Dealers	20,356	33,374	45,074	No		No	No	High school diploma or equivalent		No	No	No
39-3012	Gambling and Sports Book Writers and Runners	20,318	27,117	29,174	No		No	No	High school diploma or equivalent	H	No	No	No
39-3019	Gambling Service Workers, All Other	19,721	30,710	35,707	No		No	No	High school diploma or equivalent	H	No	No	No
39-3021	Motion Picture Projectionists	30,169	36,465	40,770	No		No	No	No formal educational credential	Ш	Yes	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	20,827	25,430	27,510	No		No	No No	No formal educational credential	H	No	No No	No
39-3091	Amusement and Recreation Attendants	20,800	25,660	26,690	No		No	No No	No formal educational credential	Н	No	No No	No No
39-3092 39-3093	Costume Attendants Locker Room, Coatroom, and Dressing Room Attendants	24,519	39,385	45,833	No		No	No No	High school diploma or equivalent	H	No	No	No No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants Entertainment Attendants and Related Workers, All Other	21,485 22.082	28,719 27.486	31,402 27.534	No No		No No	No No	High school diploma or equivalent	Н	No No	No No	No No
39-4011	Embalmers	30,975	44,268	27,534 49,597	No No		No	No No	High school diploma or equivalent		No	No No	No No
39-4011	Crematory Operators	30,975	44,268 37.555	49,597	No No		No	No No	Associate's degree High school diploma or equivalent	Н	No No	No No	No No
39-4012	Funeral Attendants	29,468	28.908	32.018	No		No	No	High school diploma or equivalent High school diploma or equivalent	Н	No	No	No
39-4021	Morticians, Undertakers, and Funeral Arrangers	32,881	52,631	61,259	No		Yes	Yes	Associate's degree	Н	No	No	No
39-5011	Barbers	20,707	32,028	61,259 35.356	No No		No	Yes No	Postsecondary nondegree award		No No	No No	No No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	21,442	34,970	43,836	No		No	No	Postsecondary nondegree award	H	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	21,772	34,570	43,030	140				. stoccondary nondegree award				
39-5092	Manicurists and Pedicurists	23,287	32,566	35,424	No		No	No	Postsecondary nondegree award		No	No	No
		1 23,207	32,300	55,-24	1				1		-		

May 2022 Occupational Code			ages (\$) by Occupat			is or exceeds All C	Occupation Metric		wage iv	eets or Exceeds Educa	tional Level Metric
Occupational Code			Average Annual	High-Level Wage	Representative	Average Annu	al High-Level Wage		Representati	ve Average Annu	
	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wag		Threshold
			-			-				•	
39-5093	Shampooers	19,721	23,267	25,106	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	22,938	41,212	44,392	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	21,938	28,703	31,790	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	24,236	30,420	33,135	No	No	No	High school diploma or equivalent	No	No	No
39-7010 39-9011	Tour and Travel Guides Childcare Workers	21,617	34,502	37,954	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Exercise Trainers and Group Fitness Instructors	22,205 20,800	27,316 37,526	29,314 46,621	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
39-9032	Recreation Workers	20,800	37,526	35,930	No No	No	No	Postsecondary nondegree award Bachelor's degree	No No	No No	No
39-9041	Residential Advisors	24,835	38,454	43,662	No	No	No	Some college, no degree	No	No	No
39-9099	Personal Care and Service Workers, All Other	19.721	29.183	30,975	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	29,022	49,204	55,223	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	42.230	84,677	95,978	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	21,695	26,085	28,125	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	20,129	31,554	32,692	No	No	No	No formal educational credential	No	No	No
41-2021	Counter and Rental Clerks	23,388	35,739	39,358	No	No	No	No formal educational credential	No	Yes	Yes
41-2022	Parts Salespersons	22,580	37,671	43,829	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	22,099	33,487	34,546	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	29,994	60,582	64,568	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-3021	Insurance Sales Agents	30,560	65,878	65,697	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	30,991	64,897	66,038	No	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	22,299	39,750	43,536	No	No	No	Some college, no degree	No	No	No
41 2001	Sales Representatives of Services, Except Advertising, Insurance, Financial	22.020	F7.007	C4 3C0	No	Voc	Voc	Racholaris dograe	No.	No	No
41-3091	Services, and Travel	32,930	57,087	64,269	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	44.300	02.446	422.224	Voc	Voc	Voc	Racholar's dograe	No.	Voc	Voc
41-4011	Sales Representatives, Wholesale and Manufacturing, Except Technical and	41,369	93,116	123,224	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Scientific Products	31.028	67.141	76.802	No	Yes	Yes	Some callege, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	22.298	33,963	37.080	No	No No	No No	No formal educational credential	No No	Yes	Yes
41-9012	Models	20,840	30,985	33,317	No No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	42,591	65,423	66,156	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	28.481	51.562	62,273	No.	No.	Yes		No.	Yes	Yes
41-9031	Sales Engineers	38.631	88.787	100.592	Yes	Yes	Yes	Postsecondary nondegree award Bachelor's degree	No	Yes	Yes
41-9041	Telemarketers	20.366	29.714	31.175	No	No.	No.	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	20,442	33,640	47.331	No	No	No	High school diploma or equivalent	No	No.	No
41-9099	Sales and Related Workers, All Other	20,800	38,011	48,955	No	No	No	Some college, no degree	No	No	Yes
43-1011	First-Line Supervisors of Office and Administrative Support Workers	38.042	61.782	73,536	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	27,684	32,596	36,086	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	24,708	29,686	32,502	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	22,025	46,639	54,698	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-3011	Bill and Account Collectors	29,656	38,615	44,492	No	No	No	High school diploma or equivalent	No	No	No
43-3021	Billing and Posting Clerks	28,771	39,400	43,565	No	No	No	High school diploma or equivalent	No	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	29,461	43,229	50,575	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	21,039	30,388	36,152	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	35,063	47,671	56,478	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	31,219	42,938	49,978	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	30,555	36,771	37,170	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	34,019	51,578	57,770	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	40,220	52,163	55,276	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	31,705	35,413	38,494	No	No	No	High school diploma or equivalent	Yes	No	No
43-4031 43-4041	Court, Municipal, and License Clerks	31,160	39,196	42,325	No	No	No	Some college, no degree	Yes	No	No
43-4041 43-4051	Credit Authorizers, Checkers, and Clerks	27,373	41,414	48,269	No	No	No	Some college, no degree	No	Yes	Yes
	Customer Service Representatives	28,177	37,326	40,066	No	No	No	High school diploma or equivalent	No	No	No
43-4061 43-4071	Eligibility Interviewers, Government Programs File Clerks	27,040 22,031	34,291 33.366	39,561 37.091	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
43-4071	Hotel, Motel, and Resort Desk Clerks	22,031	33,366 28.756	29,176	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No No	No No	No No
43-4081	Interviewers, Except Eligibility and Loan	23,225	28,756 36.144	29,176 37.453	No No	No No	No No		No No	No No	No No
43-4111	Library Assistants, Clerical	29,515	30,005	37,453 35,284	No No	No No	No No	High school diploma or equivalent Some college, no degree	No No	No No	No No
43-4131	Loan Interviewers and Clerks	31.002	43,273	47.617	No.	No	No	High school diploma or equivalent	Yes	No	No
43-4141	New Accounts Clerks	34,379	41,177	44,600	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	28,202	38,861	44,696	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	31.399	42,956	50.458	No.	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	22,547	30,578	34,056	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	30,356	35,884	37,688	No	No	No	High school diploma or equivalent	Yes	No	No
43-4199	Information and Record Clerks, All Other	28,080	39,371	46,912	No	No	No	High school diploma or equivalent	No	No	No
43-5011	Cargo and Freight Agents	30,008	47,786	57,542	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-5021	Couriers and Messengers	24,776	32,278	34,758	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	36,558	46,174	48,307	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	30,065	45,730	51,193	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5041	Meter Readers, Utilities	28,700	42,622	49,678	No	No	No	High school diploma or equivalent	No	No	No
43-5051	Postal Service Clerks	39,770	59,132	68,307	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	39,645	54,864	71,282	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	36,579	49,454	63,676	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	33,964	54,540	61,863	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	27,355	38,616	45,726	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	33,078	40,380	45,319	No	No	No	High school diploma or equivalent	Yes	No	No
		36,601	58,171	68,472	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6011	Executive Secretaries and Executive Administrative Assistants										
43-6011 43-6012 43-6013	Executive Secretaries and Executive Administrative Assistants Legal Secretaries and Administrative Assistants Medical Secretaries and Administrative Assistants	30,978 29,027	44,276 35,992	50,602 38,403	No No	No No	No No	Some college, no degree Some college, no degree	Yes Yes	Yes No	Yes No

Wages - Workforce Re	egion 17	A	/ (¢) b 0	1	14/		O	1		14/ 144-	F d- F-d	Air
May 2022			/ages (\$) by Occupat Average Annual	High-Level Wage	Representa	Meets or Exceeds All (tive Average Annu			R	epresentative	Average Annu	tional Level Metric al High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wa		Threshold	Educational Requirement		tarting Wage	Wage	Threshold
								·			-	
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	27,783	40,608	48,175	No	No	No	High school diploma or equivalent	N		No	No
43-9021 43-9022	Data Entry Keyers	25,473 23,654	34,476 32.031	37,922 36.077	No No	No No	No No	High school diploma or equivalent	N N		No No	No No
43-9022	Word Processors and Typists Desktop Publishers	23,034	47,444	57.333	No	No No	No No	High school diploma or equivalent Associate's degree	N N	-	No	No No
43-9041	Insurance Claims and Policy Processing Clerks	37,548	45,509	50,454	Yes	No	No	High school diploma or equivalent	Ye		Yes	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	21,230	30,036	36,153	No	No	No	High school diploma or equivalent	N		No	No
43-9061	Office Clerks, General	26,352	39,547	45,961	No	No	No	High school diploma or equivalent	N	lo	No	No
43-9071	Office Machine Operators, Except Computer	23,592	33,735	39,943	No	No	No	High school diploma or equivalent	N		No	No
43-9081	Proofreaders and Copy Markers	26,737	33,052	34,616	No	No	No	Bachelor's degree	N		No	No
43-9111 43-9199	Statistical Assistants Office and Administrative Support Workers, All Other	33,621 28,085	43,595 39,813	48,326 44,591	Yes No	No No	No No	Bachelor's degree	N		No	No No
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	31.872	52,173	62.377	No	Yes	Yes	Some college, no degree High school diploma or equivalent	Ye		No Yes	Yes
45-2011	Agricultural Inspectors	27,040	41,082	54,725	No	No	No	Bachelor's degree	N		No	No
45-2021	Animal Breeders	25,647	35,318	37,356	No	No	No	High school diploma or equivalent	N	lo	No	No
45-2041	Graders and Sorters, Agricultural Products	22,318	25,234	26,391	No	No	No	No formal educational credential	N		No	No
45-2091	Agricultural Equipment Operators	25,434	40,394	45,003	No	No	No	No formal educational credential	Ye		Yes	Yes
45-2092 45-2093	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	22,464	27,059	28,701	No	No	No No	No formal educational credential	N		No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals Agricultural Workers, All Other	29,788 22,374	33,391 36,849	34,395 37,512	No No	No No	No No	No formal educational credential No formal educational credential	N	es	Yes Yes	No Yes
45-3031	Fishing and Hunting Workers	25,381	34,095	40,808	No	No	No	No formal educational credential	Ye		Yes	Yes
45-4011	Forest and Conservation Workers	31,032	40,068	47,274	No	No	No	Postsecondary nondegree award	N		No	No
45-4021	Fallers	37,119	44,098	49,872	Yes	No	No	High school diploma or equivalent	Ye	es	No	No
45-4022	Logging Equipment Operators	20,874	32,974	42,178	No	No	No	High school diploma or equivalent	N		No	No
45-4023	Log Graders and Scalers	21,162	24,945	25,950	No	No	No	High school diploma or equivalent	N		No	No
45-4029 47-1011	Logging Workers, All Other First-Line Supervisors of Construction Trades and Extraction Workers	39,452 44,205	42,751 67.606	44,259 79.138	Yes	No Yes	No Yes	High school diploma or equivalent	Ye		No Yes	No Yes
47-2011	Boilermakers	19,721	44.420	54,043	No	No Tes	No.	Some college, no degree High school diploma or equivalent		lo .	No	Yes
47-2021	Brickmasons and Blockmasons	27,506	40,246	45,874	No	No	No	High school diploma or equivalent	N		No	No
47-2022	Stonemasons	27,638	44,069	54,717	No	No	No	High school diploma or equivalent	N	lo	No	Yes
47-2031	Carpenters	30,274	43,353	49,548	No	No	No	Postsecondary nondegree award	N	lo	No	No
47-2041	Carpet Installers	27,464	39,347	42,640	No	No	No	No formal educational credential	Ye		Yes	Yes
47-2042 47-2043	Floor Layers, Except Carpet, Wood, and Hard Tiles Floor Sanders and Finishers	32,009	43,007 37,309	48,506 46,468	No	No	No No	No formal educational credential No formal educational credential		es	Yes	Yes
47-2043	Tile and Stone Setters	23,030 30.049	43.623	46,468	No No	No No	No No	No formal educational credential No formal educational credential	N Ye		Yes	Yes Yes
47-2051	Cement Masons and Concrete Finishers	29.678	45,206	50,347	No	No.	No	No formal educational credential	Ye		Yes	Yes
47-2053	Terrazzo Workers and Finishers	33,308	49,246	54,783	Yes	No	No	High school diploma or equivalent	Ye		Yes	Yes
47-2061	Construction Laborers	27,242	37,584	42,390	No	No	No	No formal educational credential	Ye	es	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	28,412	39,812	42,862	No	No	No	High school diploma or equivalent	N		No	No
47-2072	Pile Driver Operators	32,834	45,852	47,226	No	No	No	High school diploma or equivalent		es	Yes	No
47-2073 47-2081	Operating Engineers and Other Construction Equipment Operators Drywall and Ceiling Tile Installers	34,111 21,859	46,164 36,485	48,744 45,299	Yes No	No No	No No	High school diploma or equivalent No formal educational credential	Ye	es lo	Yes	No Yes
47-2081	Tapers	27,117	39,793	44,666	No	No	No	No formal educational credential		es	Yes	Yes
47-2111	Electricians	35,558	48.007	52,477	Yes	No.	No	Postsecondary nondegree award	Ye		Yes	Yes
47-2121	Glaziers	27,117	39,793	44,666	No	No	No	High school diploma or equivalent	N	lo	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	27,761	41,234	45,814	No	No	No	High school diploma or equivalent	N	lo	No	No
47-2132	Insulation Workers, Mechanical	34,521	46,487	48,383	Yes	No	No	High school diploma or equivalent	Ye		Yes	No
47-2141	Painters, Construction and Maintenance	29,682	39,194	44,271	No	No	No	No formal educational credential	Ye		Yes	Yes
47-2142 47-2151	Paperhangers Pipelayers	28,112 30,160	35,062 37,102	42,220 41,600	No No	No No	No No	No formal educational credential	Ye		Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	31,617	46,619	51,951	No	No	No	No formal educational credential Postsecondary nondegree award	N		Yes	Yes Yes
47-2161	Plasterers and Stucco Masons	25,514	39,632	44,847	No	No	No	No formal educational credential	Ye		Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	35,386	48,846	53,458	Yes	No	No	High school diploma or equivalent	Ye		Yes	Yes
47-2181	Roofers	27,556	41,033	47,217	No	No	No	No formal educational credential	Ye		Yes	Yes
47-2211	Sheet Metal Workers	33,815	45,492	51,105	Yes	No	No	High school diploma or equivalent	Ye		Yes	Yes
47-2221 47-2231	Structural Iron and Steel Workers Solar Photovoltaic Installers	34,266	44,788	52,302	Yes	No	No	High school diploma or equivalent		es	Yes	Yes
47-3011	HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	33,687 19,721	41,215 32,540	44,382 36.181	Yes No	No No	No No	High school diploma or equivalent No formal educational credential	Ye		No Yes	No Yes
47-3012	Helpers-Carpenters	28.463	34,471	40,429	No	No.	No	No formal educational credential	Ye		Yes	Yes
47-3013	HelpersElectricians	29,523	36,078	38,963	No	No	No	High school diploma or equivalent	N		No	No
47-3014	HelpersPainters, Paperhangers, Plasterers, and Stucco Masons	25,865	30,317	31,149	No	No	No	No formal educational credential	Ye	es	No	No
47-3015	HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters	29,221	35,178	36,830	No	No	No	High school diploma or equivalent	N		No	No
47-3016	HelpersRoofers	34,311	37,676	38,367	Yes	No	No	No formal educational credential	Ye		Yes	Yes
47-3019 47-4011	Helpers, Construction Trades, All Other Construction and Building Inspectors	26,510 40.233	35,081 60,297	38,750 76,355	No	No	No Yes	No formal educational credential Postsecondary nondegree award	Ye	es es	Yes	Yes
47-4011	Elevator and Escalator Installers and Repairers	40,233 46.259	80,297	76,355 97.676	Yes	Yes Yes	Yes	Postsecondary nondegree award Postsecondary nondegree award	Ye		Yes	Yes Yes
47-4031	Fence Erectors	27,600	38,020	44,116	No	No	No	No formal educational credential	Ye		Yes	Yes
47-4041	Hazardous Materials Removal Workers	30,586	37,887	37,924	No	No	No	High school diploma or equivalent	Ye		No	No
47-4051	Highway Maintenance Workers	27,040	34,030	39,454	No	No	No	High school diploma or equivalent	N		No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	42,732	51,995	59,031	Yes	Yes	Yes	High school diploma or equivalent	Ye		Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	28,984	45,188	52,640	No	No	No	High school diploma or equivalent	N		Yes	Yes
47-4090 47-5011	Miscellaneous Construction and Related Workers	28,705 32,436	41,118 46,904	44,575 57,969	No No	No No	No No	High school diploma or equivalent No formal educational credential	N Ye		No Yes	No Yes
47-5011 47-5012	Derrick Operators, Oil and Gas Rotary Drill Operators, Oil and Gas	32,436 38.816	46,904 51.190	57,969	Yes	No No	No No	No formal educational credential No formal educational credential		es es	Yes	Yes
47-5012	Service Unit Operators, Oil and Gas	35,394	51,483	59.201	Yes	No	Yes	No formal educational credential	Ye		Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	28,984	39,355	37,778	No	No	No	High school diploma or equivalent	N		No	No
47-5023	Earth Drillers, Except Oil and Gas	36,833	46,230	48,500	Yes	No	No	High school diploma or equivalent	Ye	es	Yes	No
47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	50,403	67,194	77,443	Yes	Yes	Yes	High school diploma or equivalent		es	Yes	Yes
47-5041	Continuous Mining Machine Operators	26,036	38,162	42,220	No	No	No	No formal educational credential	Ye	es	Yes	Yes

May 2022	egion 17	Annual W	/ages (\$) by Occupat	ion	Wage Meet	ts or Exceeds All O	ccupation Metric		Wage N	eets or Exceeds Educ	ational Level Metric
,			Average Annual	High-Level Wage	Representative	Average Annua			Representati		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wag	e Wage	Threshold
									ļ ļ		
47-5043	Roof Bolters, Mining	26,036	38,162	42,220	No	No	No	High school diploma or equivalent	No	No	No
47-5044	Loading and Moving Machine Operators, Underground Mining	33,990	38,485	42,675	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5049 47-5051	Underground Mining Machine Operators, All Other	33,990 34,986	38,485 63.468	42,675 84.659	Yes	No	No Yes	No formal educational credential No formal educational credential	Yes Yes	Yes Yes	Yes Yes
47-5051	Rock Splitters, Quarry Roustabouts, Oil and Gas	34,986	46.904	57,969	Yes No	Yes No	No Tes	No formal educational credential	Yes	Yes	Yes
47-5071	HelpersExtraction Workers	28,661	34,035	39,718	No	No	No	High school diploma or equivalent	No	No	No
47-5099	Extraction Workers, All Other	26,358	42,505	41.547	No	No	No	High school diploma or equivalent	No	No	No
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	43,717	70,008	82,918	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	33,986	43,676	48,591	Yes	No	No	Postsecondary nondegree award	Yes	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	36,200	55,674	68,208	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	31,336	53,002	61,993	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2091	Avionics Technicians	36,380	64,928	74,409	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	33,119	43,320	46,904	No	No	No	High school diploma or equivalent	Yes	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	38,001	53,342	60,320	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	41,973	64,848	76,255	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	37,784	75,187	96,254	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	31,487	42,059	46,060	No	No	No	Postsecondary nondegree award	No	No	No
49-2097 49-2098	Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers	36,228 34,752	44,676 48,839	47,937 57,034	Yes	No No	No No	Postsecondary nondegree award	Yes Yes	No Yes	No Yes
49-3011	Aircraft Mechanics and Service Technicians	34,752	48,839 59.008	67,512	Yes Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	30,292	49,399	49,584	No	No	No	Associate's degree Postsecondary nondegree award	No	Yes	No
49-3021	Automotive Body and Related Repairers Automotive Glass Installers and Repairers	28.717	49,399	49,584	No No	No	No No	High school diploma or equivalent	No No	No Yes	No
49-3023	Automotive Glass installers and Repairers Automotive Service Technicians and Mechanics	28,220	46,618	58,434	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3023	Bus and Truck Mechanics and Diesel Engine Specialists	36.768	52,295	59.037	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	27.456	37,286	41.600	No	No	No.	High school diploma or equivalent	No	No	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	29,914	53,364	64,105	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3043	Rail Car Repairers	37,646	44,005	49,279	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-3051	Motorboat Mechanics and Service Technicians	31,535	48,952	57,589	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3052	Motorcycle Mechanics	35,929	50,927	62,103	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	29,046	38,132	43,139	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	22,243	34,673	41,414	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	28,994	46,098	58,130	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-3093	Tire Repairers and Changers	27,757	33,409	36,389	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	29,582	43,652	51,540	No	No	No	High school diploma or equivalent	No	No	Yes
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	35,662	52,513	61,097	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	35,865	48,024	55,709	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	27,095	41,762	47,445	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	36,226	55,898	66,934	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	31,177	44,578	48,606	No	No	No	High school diploma or equivalent	Yes	No	No
49-9044	Millwrights	40,826	50,161	64,316	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	24,803	32,872	36,143	No	No	No	High school diploma or equivalent	No	No	No
49-9051 49-9052	Electrical Power-Line Installers and Repairers Telecommunications Line Installers and Repairers	40,301	68,202	87,760	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	·	37,947	52,354	59,484	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9062	Camera and Photographic Equipment Repairers Medical Equipment Repairers	38,162 33,221	50,715 49,086	56,575 51,049	Yes Yes	No No	No No	Associate's degree	Yes No	No No	No No
49-9063	Musical Instrument Repairers and Tuners	27,050	39,821	48.857	No	No	No	Associate's degree High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	23,485	27,941	27,259	No.	No.	No.	High school diploma or equivalent	No	No	No
49-9069	Precision Instrument and Equipment Repairers, All Other	39.520	46,813	50.688	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
49-9071	Maintenance and Repair Workers, General	28.147	43,417	50,000	No.	No	No	High school diploma or equivalent	No.	No	No
49-9081	Wind Turbine Service Technicians	45,795	64,587	74,874	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	27.213	41.680	47,220	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	37,499	50.507	54.100	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	30,527	44,197	54,877	No	No	No	High school diploma or equivalent	Yes	No	Yes
49-9095	Manufactured Building and Mobile Home Installers	20,726	29,307	37,081	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	31,563	49,066	56,973	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	44,818	60,055	67,810	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	HelpersInstallation, Maintenance, and Repair Workers	27,671	33,948	36,193	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	28,174	40,392	45,731	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	38,822	67,067	83,633	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	31,355	44,628	52,953	No	No	No	Postsecondary nondegree award	No	No	Yes
51-2021	Coil Winders, Tapers, and Finishers	31,516	43,159	45,984	No	No	No	High school diploma or equivalent	Yes	No	No
	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders,										
51-2028	Tapers, and Finishers	27,012	40,460	45,705	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	31,924	41,215	45,757	No	No	No	High school diploma or equivalent	Yes	No	No
51-2041	Structural Metal Fabricators and Fitters	30,426	39,354	45,331	No	No	No	High school diploma or equivalent	Yes	No	No
51-2051	Fiberglass Laminators and Fabricators	27,998	35,858	38,447	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters							1	1		
51-2090	Miscellaneous Assemblers and Fabricators	24,930	35,489	40,510	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	23,193	31,527	36,669	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	27,792	38,339	43,575	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	24,312	33,994	39,227	No	No	No	No formal educational credential	Yes	Yes	Yes
	Slaughterers and Meat Packers	25,239	26,538	27,543	No	No	No	No formal educational credential	Yes	No	No
		23,599	35,128	34,493	No	No	No	No formal educational credential	No	Yes	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders										
51-3092	Food Batchmakers	24,511	37,613	46,074	No	No	No	High school diploma or equivalent	No	No	No
51-3091 51-3092 51-3093	Food Batchmakers Food Cooking Machine Operators and Tenders	26,405	32,793	35,062	No	No	No	High school diploma or equivalent	No	No	No
51-3091 51-3092	Food Batchmakers										

May 2022	egion 17	Annual W	ages (\$) by Occupat	ion	Wage Meet	s or Exceeds All O	Occupation Metric		Wage Meet	s or Exceeds Educ	ational Level Metric
nay 2022			Average Annual	High-Level Wage	Representative	Average Annu			Representative	Average Annu	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	28,776	38,011	43,415	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	36,981	43,415	45,295	Yes	No	No	High school diploma or equivalent	Yes	No	No
	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and										
51-4031	Plastic	27,960	35,257	38,766	No	No	No	High school diploma or equivalent	No	No	No
F1 4022	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20.505	50.054	70.070		.,	.,		1 1	.,	.,
51-4032	****	28,596	53,361	79,273	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	24,632	32,350	34,465	No	No	No	High school diploma or equivalent	No	No	No
31-4033	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and	24,032	32,330	34,403	NO	NO	NO	rigii school dipiona of equivalent	INO	NO	NO
51-4034	Plastic	26,491	36.920	45.359	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	27,381	44,915	55,486	No	No	No	Postsecondary nondegree award	No	No	Yes
51-4041	Machinists	23.757	43,844	51,195	No	No	No	Postsecondary nondegree award	No	No	No
51-4051	Metal-Refining Furnace Operators and Tenders	37.129	47,340	48.222	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-4052	Pourers and Casters, Metal	28,302	44,249	53,664	No	No	No	High school diploma or equivalent	No	No	Yes
51-4061	Model Makers, Metal and Plastic	31.345	49,369	57.457	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	25,609	47,909	74,030	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-4071	Foundry Mold and Coremakers	22,072	38,124	52,128	No	No	No	High school diploma or equivalent	No	No	Yes
	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders,	,	,	,					1 1		
51-4072	Metal and Plastic	27,985	35,289	40,714	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	29,445	37,057	37,873	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	39,136	49,719	52,686	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	31,959	45,358	51,328	No.	No	No	Postsecondary nondegree award	No.	No	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	30,754	37,470	43,493	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders Metal and Plastic	23.665	38,665	44,941	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	23,003	30,003	44,541	140	140	140	riigii school dipiona or equivalent	140	140	140
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	28.529	38.172	42.543	No	No	No	High school diploma or equivalent	No	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	26,112	34,939	36.882	No	No	No	High school diploma or equivalent	No.	No	No
51-4199	Metal Workers and Plastic Workers, All Other	27,752	37,043	43,453	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	35,914	47,703	60,702	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-5111	Printing Press Operators	28,870	41,281	49,280	No	No	No		No	No	No
51-5113	Print Binding and Finishing Workers	30.295	38,959	49,280	No.	No.	No.	High school diploma or equivalent	Yes	No.	No.
51-6011	Laundry and Dry-Cleaning Workers	21.332	26.331	29,401	No	No	No No	High school diploma or equivalent No formal educational credential	No Yes	No No	No No
51-6021	Pressers, Textile, Garment, and Related Materials	22,603	20,331	27,401	No	No	No.	No formal educational credential	No	No	No No
51-6031	Sewing Machine Operators	22,420	30,625	36,201	No	No	No	No formal educational credential No formal educational credential	No	No No	Yes
51-6041		22,420	31,269	35,299	No	No	No		No No	No No	No Yes
51-6042	Shoe and Leather Workers and Repairers Shoe Machine Operators and Tenders	25,666	37,081	43.870	No	No	No	High school diploma or equivalent	No	No	No No
51-6051	Sewers, Hand							High school diploma or equivalent			
51-6052	Tailors, Dressmakers, and Custom Sewers	20,906 27,117	28,254 33,545	28,804 35,261	No No	No No	No No	No formal educational credential No formal educational credential	No Yes	No Yes	No Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	21,883	26,206	26,785	No	No	No		No	No No	No No
51-6062		26,311	31.459	34.521	No	No	No	High school diploma or equivalent	No	No	No No
51-6063	Textile Cutting Machine Setters, Operators, and Tenders Textile Knitting and Weaving Machine Setters, Operators, and Tenders	26,168	30,094	32,767	No	No	No	High school diploma or equivalent High school diploma or equivalent	No	No	No
51-0003		20,108	30,094	32,/0/	NO	NO	NO	High school diploma or equivalent	NO	NO	INO
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	22,063	31,848	36,200	No	No	No	High cabant dialogue as assistant	No	No	No
31-0004	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and	22,003	31,040	30,200	NO	INU	NO	High school diploma or equivalent	INU	INU	INU
51-6091	Glass Fibers	32.037	55,816	79.387	No	Yes	Yes	High school diploma or oquivalent	Yes	Yes	Yes
51-6092		25,609	47,909	74,030	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6092	Fabric and Apparel Patternmakers Upholsterers	25,609	36.048	40.665	No	No	No No	High school diploma or equivalent	No	No.	No Yes
51-6099		25,941	32,398	36,133	No	No	No	High school diploma or equivalent	No	No	No
51-0099	Textile, Apparel, and Furnishings Workers, All Other							High school diploma or equivalent			
51-7011	Cabinetmakers and Bench Carpenters Furniture Finishers	30,148	39,842	43,746	No	No	No	High school diploma or equivalent	Yes	No	No
51-7021	Model Makers, Wood	29,164	43,396	51,009	No	No	No	High school diploma or equivalent	No	No	Yes
51-7031	Patternmakers, Wood								.		
		22.204	20.470	25.220				101 1 101 111	1		
51-7041 51-7042	Sawing Machine Setters, Operators, and Tenders, Wood	23,201 24,718	29,178 32.644	35,328 36.541	No No	No No	No No	High school diploma or equivalent	No No	No	No No
	Woodworking Machine Setters, Operators, and Tenders, Except Sawing		- ,-			No No	No No	High school diploma or equivalent	No No	No No	No No
51-7099 51-8011	Woodworkers, All Other	26,112	30,919	31,250	No	No	No	High school diploma or equivalent	No	No	No
	Nuclear Power Reactor Operators Dever Distributors and Dispatchers	46,032	72,627	91,950	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012 51-8013	Power Distributors and Dispatchers	50,886	84,156	98,340	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
	Power Plant Operators	52,729	90,672	110,844	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	45,738	59,732	64,587	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	33,848	50,198	58,148	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	39,670	58,765	63,620	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-8092	Gas Plant Operators	32,777	49,417	59,751	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	45,965	59,656	75,168	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	40,337	50,732	52,000	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	36,625	54,178	59,787	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
54.0040	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,		_					1	1 1		
51-9012	Operators, and Tenders	28,302	53,083	64,334	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	29,584	43,248	55,108	No	No	No	High school diploma or equivalent	No	No	Yes
51-9022	Grinding and Polishing Workers, Hand	27,003	33,725	36,674	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	31,499	42,372	49,125	No	No	No	High school diploma or equivalent	Yes	No	No
51-9031	Cutters and Trimmers, Hand	20,811	33,810	37,982	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	27,747	37,113	41,987	No	No	No	High school diploma or equivalent	No	No	No
	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and										
51-9041	Tenders	27,153	37,797	41,535	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	29,079	37,243	41,803	No	No	No	High school diploma or equivalent	No	No	No
			44.507	51,352	N-	No	No	Postsecondary nondegree award	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	29,194	44,697		No			Postsecondary nondegree award			110
51-9061 51-9071 51-9081	Inspectors, Testers, Sorters, Samplers, and Weighers Jewelers and Precious Stone and Metal Workers	29,194 23,874	46,430 53,469	54,271 53,405	No No	No	No No	High school diploma or equivalent	No	Yes	Yes

Wages - Workforce Region 17

0			/ages (\$) by Occupa	lion	wage weet	s or Exceeds All Occu	pation Metric		wage ivieets	or Exceeds Education	iai Level Metric
			Average Annual	High-Level Wage	Representative	Average Annual	High-Level Wage		Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
F4 0002	Adadiant Applicant Technisism	22.555	45.004	50.044				+			
51-9082 51-9083	Medical Appliance Technicians Ophthalmic Laboratory Technicians	32,565	45,234	50,944	NO No	No	No	Postsecondary nondegree award	Yes	No	No
51-9005	Ophthalmic Laboratory Technicians Packaging and Filling Machine Operators and Tenders	29,349 24,160	35,203 39.845	34,969 46,470	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
51-9123	Painting, Coating, and Decorating Workers	23,912	34.057	40,267	No	No	No	High school diploma or equivalent High school diploma or equivalent	No No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	29,617	38,553	40,057	No	No	No		No No	No	No
51-9141	Semiconductor Processing Technicians	36,105	45,434	48,184	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-9151	Photographic Process Workers and Processing Machine Operators	22.196	33,564	36,143	No	No	No	High school diploma or equivalent High school diploma or equivalent	No No	No	No
51-9161	Computer Numerically Controlled Tool Operators	31,616	43,070	49.560	No	No	No	Postsecondary nondegree award	No.	No	No
51-9162	Computer Numerically Controlled Tool Programmers	30,553	52,651	59.689	No.	Yes	Yes	Associate's degree	No.	No	No
51-9191	Adhesive Bonding Machine Operators and Tenders	22,063	31,848	36,200	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	26,737	39,937	50,738	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	24,519	44,538	47,302	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	27,714	33,052	36,427	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	29,964	39,383	42,978	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	37,286	44,572	50,349	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9197	Tire Builders	27,534	35,631	38,504	No	No	No	High school diploma or equivalent	No	No	No
51-9198	HelpersProduction Workers	21,978	32,103	36,256	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	26,200	36,572	41,511	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	35,896	54,129	59,050	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
	First-Line Supervisors of Transportation and Material Moving Workers, Except										
53-1047	Aircraft Cargo Handling Supervisors	39,268	61,780	72,374	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	103,280	256,678	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	36,263	97,249	120,251	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	75,812	119,806	149,093	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	75,812	119,806	149,093	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	33,384	65,686	75,007	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	24,414	29,070	30,862	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	20,800	33,325	38,232	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	34,517	49,799	55,059	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033 53-3051	Light Truck Drivers Bus Drivers, School	28,425	49,446	65,607 28,262	No No	No	Yes	High school diploma or equivalent	No	Yes	Yes
53-3052	Bus Drivers, School Bus Drivers, Transit and Intercity	28,262 31,200	29,162 34.593	28,262 37,703	No No	No No	No No	High school diploma or equivalent	No Yes	No No	No No
53-3053	Shuttle Drivers and Chauffeurs	22.546	34,593	32,170	No	No No	No	High school diploma or equivalent	No Yes	No No	No
53-3054	Taxi Drivers	19.787	30,046	30,283	No	No	No	High school diploma or equivalent No formal educational credential	No	No	No
53-3099	Motor Vehicle Operators, All Other	22,350	31,109	32,422	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	53,655	65,174	70.408	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	30,530	51.180	49.303	No.	No.	No.	High school diploma or equivalent	Yes	Yes	No.
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	37,100	56,101	58,680	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	60,083	67,820	70.456	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	27,704	39,594	49,729	No	No	No	High school diploma or equivalent	No	No	No
53-4099	Rail Transportation Workers, All Other	39,120	39,774	39,129	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-5011	Sailors and Marine Oilers	27,610	43,178	47,634	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	35,451	81,767	120,014	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	29,432	47,846	49,519	No	No	No	Postsecondary nondegree award	No	Yes	No
53-5031	Ship Engineers	68,806	93,192	103,716	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	22,831	30,378	34,493	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	20,800	25,244	27,703	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	23,065	31,593	35,459	No	No	No	No formal educational credential	No	No	Yes
53-6032	Aircraft Service Attendants	28,254	35,052	35,422	No	No	No	High school diploma or equivalent	No	No	No
53-6041	Traffic Technicians	32,208	47,707	50,758	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	38,957	57,416	76,985	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	20,176	30,900	36,114	No	No	No	High school diploma or equivalent	No	No	No
53-6099	Transportation Workers, All Other	19,721	29,146	30,881	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	26,928	32,637	35,967	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7021	Crane and Tower Operators	28,004	51,920	67,995	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
53-7031	Dredge Operators	33,858	44,875	46,733	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
53-7041	Hoist and Winch Operators	30,587	47,928	49,113	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	30,141	40,924	47,485	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061 53-7062	Cleaners of Vehicles and Equipment	22,318 27,036	30,602 34,261	34,057 37,620	No No	No No	No No	No formal educational credential	No Yes	No Yes	No Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand Machine Feeders and Offbearers			37,620	No No			No formal educational credential			
53-7064	Packers and Packagers, Hand	27,534	35,631	38,504 31.447	No No	No No	No No	No formal educational credential	Yes No	Yes	Yes
53-7065	Stockers and Order Fillers	22,264 28.126	27,261 34.825	31,447 36.558	No No	No No	No No	No formal educational credential	No No	No No	No No
53-7005	Gas Compressor and Gas Pumping Station Operators	28,126	34,825	36,558	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No No	No No	No No
	Pump Operators, Except Wellhead Pumpers	31,204	41,682	48,814	No	No	No	High school diploma or equivalent	Yes	No No	No
	Wellhead Pumpers	29,108	34,721	32,255	No	No	No	High school diploma or equivalent	No No	No	No
53-7072		23,100	34,721	32,233	INU	140		riigii scriooi uipionia oi equivalent	INU	INU	
53-7073			4U 220	AE E73	No	No	No	No formal educational credential	Voc	Voc	Voc
	Refuse and Recyclable Material Collectors Tank Car, Truck, and Ship Loaders	27,788 41,111	40,338 57,295	45,572 58.177	No Yes	No Yes	No No	No formal educational credential No formal educational credential	Yes Yes	Yes Yes	Yes

 $[\]ensuremath{^{*}}$ indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

Summary - Workforce Region 17

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	33,138	51,600	58,219	824
No formal educational credential	23,857	31,641	34,681	84
High school diploma or equivalent	30,035	44,758	50,838	235
Some college, no degree	28,779	40,254	46,443	49
Postsecondary nondegree award	32,042	45,558	51,404	89
Associate's degree	37,917	54,589	62,017	68
Bachelor's degree	46,280	82,428	95,992	184
Master's degree	49,893	77,707	88,957	42
Doctoral or professional degree	76,693	154,249	148,652	73

	Representative	Starting Wage	Average Ar	nual Wage	High-Level Wa	age Threshold
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric
All Occupations	530	294	490	334	482	342
No formal educational credential	45.24%	54.76%	38.10%	61.90%	39.29%	60.71%
High school diploma or equivalent	71.06%	28.94%	78.30%	21.70%	79.57%	20.43%
Some college, no degree	42.86%	57.14%	30.61%	69.39%	28.57%	71.43%
Postsecondary nondegree award	55.06%	44.94%	37.08%	62.92%	35.96%	64.04%
Associate's degree	63.24%	36.76%	41.18%	58.82%	41.18%	58.82%
Bachelor's degree	64.13%	35.87%	65.76%	34.24%	65.22%	34.78%
Master's degree	80.95%	19.05%	61.90%	38.10%	54.76%	45.24%
Doctoral or professional degree	82.19%	17.81%	69.86%	30.14%	61.64%	38.36%

	Vages - Workforce Re Vay 2022	egion 18	Annual M	/ages (\$) by Occupat	ion	Wage Meet	to or Evenado All (Occupation Matric		1	Wage Moets	or Exceeds Education	al Lovel Matric
March Marc	viay 2022											Average Annual	High-Level Wage
1980 Secret of General Secret Secret 1980 1984 1	Occupational Code	Occupational Title			Threshold (\$)	Starting Wage			Educational Requirement		Starting Wage		Threshold
1980 Secret of General Secret Secret 1980 1984 1													
12-99 Lighting					*								Yes*
12-101 Marching of Processor Angelone 19-20 19													Yes Yes
1.000			,	,	,								No.
1980 Servinger 1982 19			,	,	. ,								Yes
1985 Performance 1926 1224													Yes
1.1.000													Yes
1.000	11-2033	Fundraising Managers				Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
1995 1995		Administrative Services Managers			112,238	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
1988			,	,	,	Yes	Yes	Yes			Yes	Yes	Yes
1995 March Parmer Nameyre 12,777 11,794 13,787 13,948 10 10 10 10 10 10 10 1													Yes
1980 Protect Name													Yes
14.00 Compartation Longer and Particular Managers 13.00													Yes
13111										_			Yes
12-152 Human Resources Managers 74,000 12-28.82 19-37.72 15-37.72													Yes
13.11 13.1													Yes
1500 1500			,	,	,					-			Yes
1997 Construction Manager 1997 1997 1998			,	-,	.,								Yes
1990 1990													Yes
1200 Statestan Administrature, Redesgreite Presup Recording 0.131 9.308 30.209 175													No
18-201 18-20	11-9032				102,540	Yes	Yes	Yes				Yes	Yes
1950 Education Affinite Profession (1950) 1950 1950 1							Yes	Yes	Master's degree	1		Yes	Yes
1490 Send Service Managers	11-9039	Education Administrators, All Other	39,266	67,300	76,550	Yes	Yes	Yes	Master's degree		No	No	No
1997 Gentile Manager, Care Genting 4,048 13,580 137,581 12,585 13,580		Architectural and Engineering Managers	79,997	149,949	168,798	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
14.90 Content immert and the control Managers. Expert Control 13,770 46,177 77,786 77,786 78 78 78 78 78 78 78					,								Yes
1.000 1.00			,	-,									Yes
1991 Medical and referent Monagers													No
19-912 Natural Sciences Managers 43-461 117,800 117,950 170,950													No
19-11 Settmaters and Mala Supriminondents 19-229 9,2154 20,540 Ves Ves Ves Ves High action depictmon equipuent Ves Ves Ves Ves Ves Ves Barberto Regree No									-				Yes
19-914 Property, Red Estate, and Community Association Managers 16,084 13,559 8,160 19-91			,		,								Yes Yes
1995 Sooi and Community Service Managers 64.401 77.956 84.606 Ves Ves Ves Ves Rachelor's degree No No										-			No.
1.919 Semegracy Management Directors		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	,	0-,0-0					-			No
19-972 Furnati Horne Managers 46,840 79,216 80,269 Ve Ve Ve Ve Associate's degree Ve Ve Ve No No No No No No No N				,									No
19-1919 Personal Service Managers, All Offer	11-9171											Yes	Yes
12-959 Menagers, All Other Menagers of Artists, Performers, and Albeltes 30,968 64,677 74,887 Ves Ves Ves Wes Bachelor's degree No No No No No No No													No
19-100 Boyers and Purchasing Agents 18-5080 64.437 76.887 Ves Ve	11-9199	Managers, All Other											Yes
13-1032 Claims Algulaters, Examiners, and Investigators		Agents and Business Managers of Artists, Performers, and Athletes	30,468	64,057	77,854	No	Yes	Yes	Bachelor's degree		No	No	No
19-1032 Insurance Appraisers, Anto Damage 48,424 67,530 76,998 Ves Ves Ves Ves Post No No No 19-1055 Compliance Officers 39,344 65,664 68,478 85,622 Ves Ves Ves Ves Bachelor's degree 10 No No No No No No No N		Buyers and Purchasing Agents	35,980			Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1041 Complement Officers 33,344 66,664 78,000 Ves Ves Ves Ves Ves Ne 1 Bachelor's degree No No No No 13-1071 Human Resources Specialists 37,981 64,741 77,372 Ves Ves Ves Ves Ne Bachelor's degree No No No No No No No													Yes
19-1051 Cot Estimators S.5.6.1 Cot S.6.6.1 Cot S.5.6.1 Cot S.6.6.1 Cot S													Yes
Sample S													No
33-1074 Farm Labor Contractors 23,564 85,960 121,492 100 Ves Ves Ves 18 Bachelor's degree 100 No No No No No No No													No
13-1075 Labor Relations Specialists 13-579 75,524 95,766 Ves Ves Ves Ves Bachelor's degree 1 Ves No 13-1082 Project Management Specialists 40,123 86,788 104,255 Ves Ves Ves Ves Bachelor's degree 1 Ves No Ves Ves													No
13-1082 Logitclains Logi													Yes No
13-1182 Project Management Specialists 40,1225 86,788 104,255 Ves Ves			,-	-,-	,								No
13-1111 Management Analysts 15,169 99,484 107,673 10,0767 13,0402 54,042 54,617 100 10,0767 13,0402 13,0402 54,042 54,617 100 10,0767 13,0402 13,040													Yes
13-1121 Meeting, Convention, and Event Planners 30,482 54,042 64,617 No Yes Yes Wes Bachelor's degree No No No No 13-1131 Stanfairers St													Yes
13-1131 Fundraisers Fund										1			No
13-1141 Compensation, Benefits, and Job Analysis Specialists 31,338 67,465 77,546 Yes Yes Yes Yes Yes No No No No No No No N	13-1131												No
13-1151 Training and Development Specialists 31,926 62,542 79,769 No Yes Yes Bachelor's degree No	13-1141	Compensation, Benefits, and Job Analysis Specialists											No
13-1199	13-1151		31,926	62,542	79,769					1		No	No
13-2011 Accountants and Auditors 39.034 78,582 88,692 Ves			35,786	66,282	79,564	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2020 Property Appraisers and Assessors 40,579 62,278 67,188 Yes Yes Yes Bachelor's degree No No No 13-2031 Budget Analysts 43,133 71,978 87,346 Yes Yes Yes Yes Bachelor's degree No No No No 13-2051 Financial and Investment Analysts 50,715 89,300 99,463 Yes Yes Yes Bachelor's degree Yes Ye			- 1,000										No
13-2031 Budget Analysts 43,133 71,978 87,346 Yes Yes Yes Yes Bachelor's degree No No No 13-2041 Credit Analysts 45,012 72,009 91,495 Yes Yes Yes Bachelor's degree No No No No No No No			,	-,	,								No
13-2051 Credit Analysts 45,012 72,009 91,495 Yes Yes Yes Yes Bachelor's degree No													No
13-2051 Financial and Investment Analysts 50,715 89,300 99,463 121,241 12													No
13-2052 Personal Financial Advisors 38,186 106,348 121,431 Yes Yes Yes Bachelor's degree No Yes Yes 13-2053 Insurance Underwriters 48,638 77,700 103,105 Yes Yes Yes Yes Bachelor's degree Yes No Yes Ye													No
13-2053 Insurance Underwriters													No
13-2054 Financial Risk Specialists 52,550 102,697 114,519 Yes Yes Yes Yes Yes Rachelor's degree Yes										1			Yes
13-2071 Credit Courselors 45,441 68,177 94,858 Yes Yes Yes Yes Sachelor's degree No			,	,	,								Yes Yes
13-2071 Credit Counselors 33,386 48,131 48,444 No No No No Bachelor's degree No No No No 13-2072 Loan Officers 25,988 76,275 99,126 No Yes Yes Bachelor's degree No No No No 13-2073 Loan Officers Segree No No No No No Yes Yes Bachelor's degree No			. ,		,					1			No.
13-2072 Loan Officers 25,988 76,275 99,126 No Yes Yes Bachelor's degree No No No 13-2081 Tax Examiners and Collectors, and Revenue Agents 30,347 52,169 62,335 No No Yes Bachelor's degree No No Yes 13-2082 Tax Preparers 21,957 52,862 78,242 No No Yes Postsecondary nondegree award No Yes 13-2099 Financial Specialists, All Other 37,266 66,249 86,966 Yes Yes Yes Bachelor's degree No No No No No No No			,	,	,								No
13-2081 Tax Examiners and Collectors, and Revenue Agents 30,347 52,169 62,335 No No Yes Bachelor's degree No No No Yes 13-2082 Tax Preparers 21,957 52,862 78,242 No No Yes Postsecondary nondegree award No Yes 13-2099 Financial Specialists, All Other 37,266 66,249 86,966 Yes Yes Yes Bachelor's degree No			,							1			No
13-2092 Tax Preparers 21,957 52,862 78,242 No No Yes Postsecondary nondegree award No Yes 13-2099 Financial Specialists, All Other 37,266 66,249 86,966 Yes Yes Yes Bachelor's degree No No No 15-1211 Computer Systems Analysts 66,635 90,438 111,256 Yes Yes Yes Bachelor's degree Yes Yes Yes Yes Yes Postsecondary nondegree award No	13-2081												No
13-2099 Financial Specialists, All Other 37,266 66,249 86,966 Yes Yes Yes Bachelor's degree No No No		Tax Preparers								1			Yes
15-1212 Information Security Analysts 65,075 \$11,601 \$13,787 Yes Yes Yes Bachelor's degree Yes	13-2099	Financial Specialists, All Other								1			No
15-1212 Information Security Analysts 65,075 110,601 133,787 Yes Yes Hes Pes Bachelor's degree Yes		Computer Systems Analysts					Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1231 Computer Network Support Specialists 42,385 82,626 85,954 Yes Yes Yes Associate's degree Yes Yes 15-1232 Computer User Support Specialists 35,799 57,795 67,563 Yes Yes Yes Postsecondary nondegree award Yes Yes Yes 15-1241 Computer Network Architects 73,496 117,767 138,034 Yes Yes Yes Pes Descholor's degree Yes Yes Yes 15-1242 Database Administrators 58,119 98,253 126,444 Yes Yes Yes Bachelor's degree Yes Yes			,						Bachelor's degree				Yes
15-1232 Computer User Support Specialists 35,799 57,795 67,563 Yes Yes Postsecondary nondegree award Yes Yes 15-1241 Computer Network Architects 73,496 117,767 138,034 Yes Yes Yes Bachelor's degree Yes Yes 15-1242 Database Administrator's 58,119 98,253 126,444 Yes Yes Yes Bachelor's degree Yes Yes													Yes
15-1241 Computer Network Architects 73,496 117,767 138,034 Yes Yes Yes Bachelor's degree Yes Yes 15-1242 Database Administrators 58,119 98,253 126,444 Yes Yes Yes Bachelor's degree Yes Yes								Yes					Yes
15-1242 Database Administrators 58,119 98,253 126,444 Yes Yes Yes Bachelor's degree Yes Yes													Yes
										1			Yes
15-1243 Database Architects 84,310 152,631 171,597 Yes Yes Yes Bachelor's degree Yes Yes Yes										-			Yes
	15-1243	Database Architects	84,310	152,631	171,597	Yes	Yes	Yes	Bachelor's degree	1	Yes	Yes	Yes

May 2022	egion 18	Annual W	/ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All C	Occupation Metric			Wage Meets	or Exceeds Education	onal Level Metric
110, 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annual	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
15-1244	Network and Computer Systems Administrators	50,665	90,066	104,069	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1251	Computer Programmers	50,167	97,121	108,638	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1252 15-1253	Software Developers	61,693 59.895	112,735	137,404	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1254	Software Quality Assurance Analysts and Testers Web Developers	59,895 32.476	89,814 75,213	107,219 89,245	Yes No	Yes	Yes Yes	Bachelor's degree		Yes No	Yes	Yes Yes
15-1254	Web and Digital Interface Designers	32,476 41,190	75,213	89,245 85,091	Yes	Yes	Yes	Associate's degree Associate's degree		Yes	Yes	Yes
15-1299	Computer Occupations, All Other	41,190	97.077	113.090	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2011	Actuaries	64,272	124,695	160,421	Yes	Yes	Yes	Bachelor's degree	_	Yes	Yes	Yes
15-2021	Mathematicians	39.162	93.060	127.973	Yes	Yes	Yes	Master's degree		No	Yes	Yes
15-2031	Operations Research Analysts	40,435	76,261	91,504	Yes	Yes	Yes	Bachelor's degree		No	No	No
15-2041	Statisticians	39,867	82,065	99,404	Yes	Yes	Yes	Master's degree		No	No	Yes
15-2051	Data Scientists	62,720	104,744	118,622	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2099	Mathematical Science Occupations, All Other	39,867	82,065	99,404	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1011	Architects, Except Landscape and Naval	49,798	107,295	122,879	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-1012	Landscape Architects	32,083	60,239	75,696	No	Yes	Yes	Bachelor's degree		No	No	No
17-1021	Cartographers and Photogrammetrists	43,323	67,389	79,255	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1022 17-2011	Surveyors	36,102	67,942	77,210	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2011	Aerospace Engineers Agricultural Engineers	75,721	113,434	132,016	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2021	Bioengineers and Biomedical Engineers	58.225	96.731	121.168	Yes	Yes	Yes	Bachelor's degree	_	Yes	Yes	Yes
17-2041	Chemical Engineers	65,969	106,845	131,429	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2041	Civil Engineers	64,594	101,360	118.573	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2061	Computer Hardware Engineers	65,509	117,154	136,197	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2071	Electrical Engineers	60,407	101,875	125,296	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	65,719	98,184	107,919	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2081	Environmental Engineers	34,874	83,328	103,908	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	47,880	73,331	93,647	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2112	Industrial Engineers	62,793	94,430	109,632	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	61,646	80,865	89,454	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2131	Materials Engineers	66,500	101,875	129,981	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2141	Mechanical Engineers	53,522	87,072	99,999	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
17-2151 17-2161	Mining and Geological Engineers, Including Mining Safety Engineers Nuclear Engineers	45,468 79.402	94,704 114.442	106,522 124,037	Yes	Yes	Yes Yes	Bachelor's degree		No	Yes	Yes
17-2101	Petroleum Engineers	65,793	128,541	154,212	Yes Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes Yes	Yes	Yes Yes
17-2171	Engineers, All Other	42.041	92.888	106,512	Yes	Yes	Yes	Bachelor's degree	_	No	Yes	Yes
17-3011	Architectural and Civil Drafters	37,655	58,068	64.126	Yes	Yes	Yes	Associate's degree		No	No	No
17-3012	Electrical and Electronics Drafters	46,545	57,974	62,579	Yes	Yes	Yes	Associate's degree		Yes	No	No
17-3013	Mechanical Drafters	35,735	59,660	70,462	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3019	Drafters, All Other	35,457	51,089	52,725	Yes	No	No	Associate's degree		No	No	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	35,579	76,504	104,603	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	37,822	57,285	66,397	Yes	Yes	Yes	Associate's degree		No	No	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	24,294	56,792	73,299	No	Yes	Yes	Associate's degree		No	No	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	45,007	69,689	78,716	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	30,733	45,242	51,136	No	No	No	Associate's degree		No	No	No
17-3026	Industrial Engineering Technologists and Technicians	38,054	58,394	64,271	Yes	Yes	Yes	Associate's degree		No	Yes	No
17-3027	Mechanical Engineering Technologists and Technicians	48,666	63,830	71,053	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3028 17-3029	Calibration Technologists and Technicians Engineering Technologists and Technicians, Except Drafters, All Other	42,182 38,272	56,550 67.896	64,002 87.422	Yes Yes	Yes	Yes Yes	Associate's degree Associate's degree		Yes No	No Yes	No Yes
17-3025	Surveying and Mapping Technicians	31,124	48.122	51,110	No.	No.	No.	Associate's degree	_	No.	No.	No.
19-1011	Animal Scientists	36,539	79,930	119,171	Yes	Yes	Yes	Master's degree	_	No	No	Yes
19-1012	Food Scientists and Technologists	38.849	77,140	106.267	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
19-1013	Soil and Plant Scientists	39.016	81.311	101.411	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
19-1021	Biochemists and Biophysicists	39,260	85,981	108,362	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-1022	Microbiologists	35,648	58,626	71,814	Yes	Yes	Yes	Master's degree		No	No	No
19-1023	Zoologists and Wildlife Biologists	33,288	53,036	61,666	No	No	Yes	Master's degree		No	No	No
19-1029	Biological Scientists, All Other	38,390	55,776	67,309	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1031	Conservation Scientists	34,299	58,935	71,001	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1032	Foresters	36,597	59,145	69,650	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1041	Epidemiologists	56,668	85,286	100,363	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-1042	Medical Scientists, Except Epidemiologists	57,677	80,458	79,581	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19-1099 19-2011	Life Scientists, All Other	55,229	84,816	90,641	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19-2011 19-2012	Astronomers Physicists	76,269	156,003	218,839 218.839	Yes	Yes	Yes	Doctoral or professional degree	_	Yes	Yes	Yes
19-2012	Atmospheric and Space Scientists	76,269 61.289	156,003 82.192	218,839 88.546	Yes Yes	Yes Yes	Yes Yes	Doctoral or professional degree Bachelor's degree		Yes Yes	Yes No	Yes No
19-2031	Chemists	48,227	74,932	91,962	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19-2032	Materials Scientists	67.428	113,718	133,035	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	37,440	65,483	69,014	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	47,230	90,260	108,744	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-2043	Hydrologists	42,432	66,782	79,647	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2099	Physical Scientists, All Other	44,312	105,738	131,008	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
19-3011	Economists	59,311	94,195	114,834	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
19-3022	Survey Researchers	51,792	98,670	125,134	Yes	Yes	Yes	Master's degree		No	Yes	Yes
19-3032	Industrial-Organizational Psychologists	72,871	125,408	151,754	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	No
19-3033	Clinical and Counseling Psychologists	40,693	104,667	131,878	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3034	School Psychologists	52,650	77,228	82,840	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3039	Psychologists, All Other	48,219	98,464	118,114	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3041	Sociologists Urban and Regional Planners	28,735 50,632	57,471	49,785	No	Yes	No	Master's degree		No	No	No
19-3051			71,993	82,378	Yes	Yes	Yes	Master's degree		No	No	No

Wages - Workforce Re May 2022	egion 18	Annual W	ages (\$) by Occupat	ion	Waga Maat	s or Evenode All C	Occupation Metric		Wage N	leets or Exceeds Educ	ational Loyal Matris
Way 2022			Average Annual	High-Level Wage	Representative	Average Annu			Representat		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wag		Threshold
									ļ. ļ		
19-3091 19-3092	Anthropologists and Archeologists Geographers	39,221	61,749	73,048	Yes	Yes	Yes	Master's degree	No	No	No
19-3093	Historians	35.246	70.404	95.830	Yes	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists	37,655	94,039	127,669	Yes	Yes	Yes	Master's degree	No	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	65,000	85,886	94,297	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-4012	Agricultural Technicians	29,421	39,133	45,428	No	No	No	Associate's degree	No	No	No
19-4013	Food Science Technicians	31,898	51,675	71,187	No	No	Yes	Associate's degree	No	No	Yes
19-4021 19-4031	Biological Technicians Chemical Technicians	31,236 31,398	45,719 50,255	53,685 60,868	No No	No No	No Yes	Bachelor's degree Associate's degree	No No	No No	No No
19-4042	Environmental Science and Protection Technicians, Including Health	32,248	48.534	50,990	No.	No	No.	Associate's degree	No	No	No
19-4043	Geological Technicians, Except Hydrologic Technicians	30,997	39,858	43,549	No	No	No	Associate's degree	No	No	No
19-4044	Hydrologic Technicians	35,354	55,258	66,087	Yes	Yes	Yes	Associate's degree	No	No	Yes
19-4051	Nuclear Technicians	38,281	62,180	78,932	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
19-4061	Social Science Research Assistants	30,126	48,287	55,454	No	No	No	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	33,308	46,192	54,964	No	No	No No	Associate's degree	No	No	No
19-4092 19-4099	Forensic Science Technicians Life, Physical, and Social Science Technicians, All Other	40,490 28.899	51,473 53,326	57,364 62.005	Yes No	No No	No Yes	Bachelor's degree Bachelor's degree	No No	No No	No No
19-5011	Occupational Health and Safety Specialists	35,110	68,511	84,262	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	42,892	65,344	77,724	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	38,520	61,571	76,715	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	35,318	41,468	45,296	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	24,984	45,764	52,822	No	No	No	Master's degree	No	No	No
21-1018 21-1019	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	37,163	53,384	61,484	Yes	No	Yes	Bachelor's degree	No	No	No
21-1019	Counselors, All Other Child, Family, and School Social Workers	37,319 37,008	44,235 46,692	47,042 48,199	Yes Yes	No No	No No	Master's degree Bachelor's degree	No No	No No	No No
21-1021	Healthcare Social Workers	33,623	58.296	70.699	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	30,663	52,712	65.582	No	No	Yes	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	37,834	57,366	72,821	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	35,892	63,741	82,670	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	32,282	43,321	46,966	No	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	28,625	39,509	45,515	No	No	No	Some college, no degree	No	No	No
21-1094 21-1099	Community Health Workers	31,483	45,880	51,593	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other Clergy	31,606 27,682	57,509 56,769	58,997 66.978	No No	Yes	No Yes	Bachelor's degree Master's degree	No No	No No	No No
21-2011	Directors, Religious Activities and Education	27,876	67,070	67,123	No	Yes	Yes	Bachelor's degree	No No	No	No
21-2099	Religious Workers, All Other	29.764	51,787	62,703	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	49,982	104,862	123,737	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	36,587	55,464	62,190	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	41,747	91,758	113,943	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	33,141	61,583	75,701	No	Yes	Yes	Bachelor's degree	No	No	No
23-1023	Judges, Magistrate Judges, and Magistrates	41,747	91,758	113,943	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-2011	Paralegals and Legal Assistants Title Examiners, Abstractors, and Searchers	35,564 31,491	52,628 43.125	62,001 45.692	Yes No	No No	Yes No	Associate's degree High school diploma or equivalent	No Yes	No No	No No
23-2099	Legal Support Workers, All Other	29,426	70,320	115,211	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	40,097	73,181	79,206	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	47,230	89,192	110,526	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	46,740	74,467	88,213	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	37,997	100,824	126,416	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032 25-1041	Engineering Teachers, Postsecondary Agricultural Sciences Teachers, Postsecondary	46,075	88,438	121,668	Yes	Yes	Yes	Doctoral or professional degree	No No	No No	No No
25-1041	Agricultural Sciences Teachers, Postsecondary Biological Science Teachers, Postsecondary	43,999 51,548	61,044 87,401	74,223 97,994	Yes Yes	Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No
25-1042	Forestry and Conservation Science Teachers, Postsecondary	43,999	61,044	74,223	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	45,840	62,993	61,035	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	39,104	79,989	96,075	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	43,607	70,884	88,370	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary Anthropology and Archaelogy Teachers, Postsecondary	46,975	63,140	62,395	Yes	Yes	Yes	Doctoral or professional degree	No No	No No	No No
25-1061 25-1062	Anthropology and Archeology Teachers, Postsecondary Area, Ethnic, and Cultural Studies Teachers, Postsecondary	45,840 47,612	83,524 65,646	98,131 75.368	Yes	Yes	Yes Yes	Doctoral or professional degree	No No	No No	No No
25-1062	Economics Teachers, Postsecondary	47,612	58,332	75,368 53,555	Yes Yes	Yes	Yes No	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No
25-1064	Geography Teachers, Postsecondary	45,840	62,993	61,035	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	44,479	62,630	57,833	Yes	Yes	No	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	46,721	80,214	91,239	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	46,917	98,797	117,996	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	45,419	63,913	75,202	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	46,613	91,953	99,717	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
25-1072 25-1081	Nursing Instructors and Teachers, Postsecondary Education Teachers, Postsecondary	47,240 37,146	78,481 73,165	92,786 83,994	Yes Yes	Yes	Yes Yes	Master's degree	No No	No No	No No
25-1081	Library Science Teachers, Postsecondary	37,146 47.465	73,165	83,994 80.116	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	41,884	57,050	59,654	Yes	Yes	No	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	44,430	138,410	204,663	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
25-1113	Social Work Teachers, Postsecondary	60,016	68,838	75,642	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	45,986	85,746	96,467	Yes	Yes	Yes	Master's degree	No	Yes	No
25-1122	Communications Teachers, Postsecondary	45,017	78,462	97,328	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	43,539 40,249	67,291	77,072	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25 1124			66.547	77.267	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	., .	E4 E24						No		No
25-1124 25-1125 25-1126	History Teachers, Postsecondary History Teachers, Postsecondary Philosophy and Religion Teachers, Postsecondary	41,179 44.635	54,524 66.057	47,984 77,424	Yes Yes	Yes Yes	No Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No

Wages - Workforce Re May 2022	egion 18	Appual M	ages (\$) by Occupat	ion	Wage Moet	e or Evenode All C	Occupation Metric		1 1	Waga Maats	or Evenode Educat	tional Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu			1 -	Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	43,128	73,586	77,620	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1194 25-1199	Career/Technical Education Teachers, Postsecondary Postsecondary Teachers, All Other	23,774	49,475	60,280 76.024	No	No	Yes	Master's degree		No	No	No
25-1199 25-2011	Preschool Teachers, All Other Preschool Teachers, Except Special Education	36,372 23,534	64,452 33.811	76,024 35.918	Yes No	Yes No	Yes No	Doctoral or professional degree Associate's degree		No No	No No	No No
25-2011	Kindergarten Teachers, Except Special Education	46,578	63,039	62,566	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2021	Elementary School Teachers, Except Special Education	48,138	62.481	62,150	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2021	Middle School Teachers, Except Special and Career/Technical Education	45,218	60,738	62,559	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2023	Career/Technical Education Teachers, Middle School	46,672	64,500	73,097	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	50,258	65,939	78,781	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2032	Career/Technical Education Teachers, Secondary School	48,589	57,934	61,738	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	No	No
25-2051	Special Education Teachers, Preschool	38,116	57,042	62,134	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	34,463	47,193	49,242	Yes	No	No	Bachelor's degree		No	No	No
25-2057	Special Education Teachers, Middle School	46,094	62,376	76,935	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2058	Special Education Teachers, Secondary School	48,542	63,535	78,630	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2059	Special Education Teachers, All Other	52,349	64,166	81,324	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
	Adult Basic Education, Adult Secondary Education, and English as a Second											
25-3011	Language Instructors	36,597	56,316	72,519	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-3021 25-3031	Self-Enrichment Teachers	22,981	41,236	49,243	No	No	No	Some college, no degree		No	No	No
25-3031	Substitute Teachers, Short-Term Tutors	20,800 22,755	38,700 46,704	36,883 54,410	No No	No No	No No	Bachelor's degree Bachelor's degree		No No	No No	No No
25-3041	Teachers and Instructors, All Other	22,755	46,704	60,620	No No	No.	Yes	Bachelor's degree		No	No	No
25-4011	Archivists	28,755	46,045	54,984	No	No.	No	Master's degree		No	No	No
25-4012	Curators	36,723	52,422	62,719	Yes	No	Yes	Master's degree		No	No	No
25-4013	Museum Technicians and Conservators	29.274	46,202	55.082	No	No	No	Bachelor's degree		No	No	No
25-4022	Librarians and Media Collections Specialists	36,239	56,931	62,362	Yes	Yes	Yes	Master's degree		No	No	No
25-4031	Library Technicians	28,089	40,758	46,212	No	No	No	Associate's degree		No	No	No
25-9021	Farm and Home Management Educators	28,833	46,388	57,040	No	No	No	Master's degree	1 1	No	No	No
25-9031	Instructional Coordinators	31,628	60,091	76,334	No	Yes	Yes	Master's degree		No	No	No
25-9044	Teaching Assistants, Postsecondary	21,293	32,922	38,922	No	No	No	Bachelor's degree		No	No	No
25-9045	Teaching Assistants, Except Postsecondary	23,015	31,099	35,400	No	No	No	Some college, no degree		No	No	No
25-9099	Educational Instruction and Library Workers, All Other	23,811	47,416	62,023	No	No	Yes	Bachelor's degree		No	No	No
27-1011	Art Directors	54,333	96,778	103,563	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
27-1012	Craft Artists	20,815	33,611	38,761	No	No	No	Some college, no degree		No	No	No
27-1013 27-1014	Fine Artists, Including Painters, Sculptors, and Illustrators	27,175	46,420 64.882	54,956 74.467	No	No	No	Bachelor's degree		No	No	No
27-1014	Special Effects Artists and Animators Artists and Related Workers, All Other	45,321 25,916	49,883	58,009	Yes No	Yes No	Yes No	Bachelor's degree Some college, no degree		No No	No Yes	No Yes
27-1019	Commercial and Industrial Designers	23,121	48,428	69,567	No	No	Yes	Bachelor's degree		No	No	No
27-1021	Fashion Designers	36.646	66.175	77,816	Yes	Yes	Yes	Bachelor's degree		No	No	No.
27-1023	Floral Designers	28,477	35,452	39,578	No	No	No	High school diploma or equivalent		No	No	No
27-1024	Graphic Designers	31.009	51,945	59,794	No	No	No	Bachelor's degree		No	No	No
27-1025	Interior Designers	32,699	53,940	65,660	No	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	26,303	36,268	38,880	No	No	No	Some college, no degree		No	No	No
27-1027	Set and Exhibit Designers	35,726	45,164	46,760	Yes	No	No	Bachelor's degree		No	No	No
27-1029	Designers, All Other	28,510	59,948	73,850	No	Yes	Yes	Bachelor's degree		No	No	No
27-2011	Actors	29,489	33,631	31,418	No	No	No	Some college, no degree		Yes	No	No
27-2012	Producers and Directors	38,224	76,811	91,150	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-2021	Athletes and Sports Competitors	24,858	63,424	63,071	No	Yes	Yes	Some college, no degree		No	Yes	Yes
27-2022	Coaches and Scouts	28,377	64,821	65,010	No	Yes	Yes	Bachelor's degree		No	No	No
27-2023 27-2031	Umpires, Referees, and Other Sports Officials Dancers	22,883	47,339	50,108	No	No No	No	Some college, no degree		No	Yes	Yes
27-2031	Choreographers	29,489 29,489	33,631 33,631	31,418 31,418	No	No	No No	High school diploma or equivalent		No	No No	No No
27-2032	Music Directors and Composers	31,576	67,242	84,619	No No	Yes	Yes	Some college, no degree Bachelor's degree		Yes No	No	No No
27-2041	Musicians and Singers	29.489	33,631	31,418	No	No Tes	No No	Some college, no degree		Yes	No	No No
27-2042	Disc Jockeys, Except Radio	21,735	59,429	58,851	No	Yes	No	Bachelor's degree		No	No	No.
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	21,735	59,429	58,851	No	Yes	No	Some college, no degree		No	Yes	Yes
27-3011	Broadcast Announcers and Radio Disc Jockeys	21,637	42,653	49,974	No	No	No	Bachelor's degree		No	No	No
27-3023	News Analysts, Reporters, and Journalists	35,923	59,308	65,669	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3031	Public Relations Specialists	33,687	64,024	75,550	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3041	Editors	38,338	67,774	75,937	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-3042	Technical Writers	52,014	76,938	80,438	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
27-3043	Writers and Authors	35,339	60,286	71,033	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3091	Interpreters and Translators	25,243	61,556	65,841	No	Yes	Yes	Bachelor's degree		No	No	No
27-3092	Court Reporters and Simultaneous Captioners	27,967	52,004	63,157	No	No	Yes	Postsecondary nondegree award		No	Yes	Yes
27-3099	Media and Communication Workers, All Other	20,707	46,241	57,226	No	No	No	Associate's degree		No	No	No
27-4011	Audio and Video Technicians	36,553	54,001	61,774	Yes	Yes	Yes	Associate's degree		No	No	No
27-4012 27-4014	Broadcast Technicians	24,365	44,834	58,908	No	No	No	Associate's degree		No	No	No
27-4014 27-4015	Sound Engineering Technicians Lighting Technicians	26,474 29.362	66,341 48,248	98,719 59,380	No No	Yes No	Yes No	Associate's degree		No No	Yes No	Yes
	Photographers	29,362 27,433	48,248 41,766	59,380 52,765	No No	No No	No No	Associate's degree Some college, no degree		No No	No No	No Yes
	1 Hotobrophicia	27,433 33.810	41,766 55.702	68.314	Yes	Yes	No Yes	Bachelor's degree		No No	No No	Yes No
27-4021	Camera Operators, Television, Video, and Film				Yes	Yes	Yes	Bachelor's degree		No	No	No
27-4021 27-4031	Camera Operators, Television, Video, and Film		59 196									
27-4021	Film and Video Editors	36,027 27,335	59,196 65.881	67,264 90.641	No.		Yes			No	Yes	
27-4021 27-4031 27-4032 27-4099		36,027 27,335	65,881	90,641	No	Yes	Yes	Associate's degree	1 1	No	Yes	Yes
27-4021 27-4031 27-4032 27-4099 29-1011	Film and Video Editors Media and Communication Equipment Workers, All Other	36,027 27,335 49,422	65,881 86,188	90,641 101,222	No Yes	Yes Yes	Yes Yes	Associate's degree Doctoral or professional degree		No No	Yes No	Yes No
27-4021 27-4031 27-4032 27-4099	Film and Video Editors Media and Communication Equipment Workers, All Other Chiropractors	36,027 27,335	65,881	90,641	No	Yes	Yes	Associate's degree		No	Yes	Yes
27-4021 27-4031 27-4032 27-4099 29-1011 29-1021	Film and Video Editors Media and Communication Equipment Workers, All Other Chiropractors Dentists, General	36,027 27,335 49,422 63,631	65,881 86,188 194,286	90,641 101,222	No Yes Yes	Yes Yes Yes	Yes Yes Yes	Associate's degree Doctoral or professional degree Doctoral or professional degree		No No No	Yes No Yes	Yes No Yes
27-4021 27-4031 27-4032 27-4099 29-1011 29-1021 29-1022	Film and Video Editors Media and Communication Equipment Workers, All Other Chiropractors Dentists, General Oral and Maxillofacial Surgeons	36,027 27,335 49,422 63,631 51,430	65,881 86,188 194,286 222,550	90,641 101,222 208,442 *	No Yes Yes Yes	Yes Yes Yes Yes	Yes Yes Yes Yes*	Associate's degree Doctoral or professional degree Doctoral or professional degree Doctoral or professional degree		No No No No	Yes No Yes Yes	Yes No Yes Yes*

	s - Workforce Regi	ion 18	A114	(¢) b 0	i T	W 844	F d- All (Name and a state of the state o			 - F d- Fd	
Non-stand Non-standard Non-st	2022										Average Annual	
Property Property	upational Code	Occupational Title							Educational Requirement		Wage	Threshold
Property Property												
1965 Section Section				,	,							No
Property Property	-		, .	,	. ,							Yes No
			0.0/0.0	,	,							Yes
19-101-1			,	-, -	. ,				· ·			Yes
20.13												Yes
20.00 1.00		Physical Therapists	57,282	94,966	106,978	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
		Radiation Therapists	62,317				Yes	Yes	Associate's degree	Yes	Yes	Yes
Section Sect		·										No
19.10 19.1			/	,=	,							Yes
24.10												Yes
1931 Marie Mar												No No
1911 1912 1912 1913 1913 1914 1915	-											No
19.10 Part Performent	-	Registered Nurses										No
2011 Mac Madwood												Yes
23-121 Much Processor 15,000 12												Yes
23.1231	1171	Nurse Practitioners	83,581	117,016	127,104	Yes	Yes	Yes		Yes	Yes	Yes
19.10 September 19.66					105,180		Yes			No	No	No
20-2011 Standardognes					*							Yes*
Part					*							Yes*
2-115 Tably Medicine Physicisms 12,121 27,125 1					*							Yes*
Section Sect			. ,.		*							Yes*
2017 Secure Security Security				,	*							Yes* Yes*
2012 2012 2014					*							Yes*
201212 Projectionary General 119,132 131,147 233,141 Yes Yes Yes Ves Octobral or professional degree No. Yes				,	*							Yes*
20-2222 Physicanin Photographics 65.555 156.660 Veg Ve			,		233,241							Yes
20-223 Psychiatrisis					*							Yes*
20.12.12 Physicians, Al Other 100,318 343,320	1223		56,055	233,826	*	Yes	Yes	Yes*		No	Yes	Yes*
20-241 Ophthalmologysts, Except Preductive 99,878 24,9892 * Vre			,		*				Doctoral or professional degree			Yes*
20-2012 Ottopoetic Supposes, Encept Pedatric C-62-839 313,770 * Ves		, .	,.		*							Yes*
22-283 Pedartis Surgeros E8,589 313,770 Ves			/	,	*							Yes*
22-289 Surgeons, Al Other					*							Yes*
20.1292 Acquirectorists												Yes*
20.1282 Dental Higherinst Sp. 405 Tp. 285 R2.476 Ves Mater's degree 1 No		•			F2 447							Yes* No
20-239 Meathbare Diagnosing or Treating Pacifishers. All Others 30,958 54,318 70,394 No Yes Ves Master's degree No No No Yes Ves Associate's degree No No No Yes Ves Associate's degree No No No Yes Associate's degree No No Yes Ye												Yes
2-2010 Clinical Laboratory Technologists and Technicians 32,440 57,011 65,772 No No No Yes Associate's degree No No No No Periodicians 32,151 68,766 62,724 No No Yes Associate's degree No No No No No Periodicians 32,151 68,766 62,724 No No Yes Yes Associate's degree Yes Yes			,	,	.,							No
20-2013 Curdiovacquir Fachrologists and Technicians 22,151 48,766 02,924 No No Yes Associate's degree No No No Postage No No No Postage No No No Postage No No No No Postage No No No No Postage No												No
2-2023 Diagnostic Medical Sonographers 0,005 80,05 80,05 80,00 Ves V			32,151	48,766	62,924	No	No	Yes		No	No	No
29-2034 Rudologist sent offenciars 45.227 64.823 75.975 Ves Ves	2032	Diagnostic Medical Sonographers	62,805	80,053	83,024	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
39-2035 Magnetic Reconnance Imaging Technologists						Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2036 Medical Dosimetrists 98,905 125,124 130,095 Ves Ves Ves Postsecondary nondegree award Ves Ves Ves Ves Postsecondary nondegree award Ves Ves												Yes
29-2042 Emergeny Medical Technicians 27,918 38,337 43,656 No No No No Postsecondary nondegree award No No Secondary No No No No Secondary nondegree award No												Yes
39.9054 Parmedics 31.202 46.382 56.779 No No No No Pottscondary nondegree award No No No 29.9052 Pharmay Technicians 23.231 30.61 32.88 No No No No Associate's degree No No No 29.9052 Pharmay Technicians 26.517 37.130 39.534 No No No No Pottscondary nondegree award No No No 29.9055 Surgical fechnologists 39.168 55.531 60.954 Ves No Ves Pottscondary nondegree award No No No 29.9055 Veterinary Technicians 29.778 38.62 44.545 No No No No No Pottscondary nondegree award No No No No 29.9057 Ophthalmic Medical Technicians 29.778 38.62 44.545 No No No No No Pottscondary nondegree award No No No No 29.9057 Ophthalmic Medical Technicians 32.110 42.899 48.201 No No No No Pottscondary nondegree award No No No No 29.9057 Ophthalmic Medical Technicians 32.110 42.899 48.201 No No No No Pottscondary nondegree award No No No No Pottscondary nondegree award No No No No Pottscondary nondegree award Ves Ves 29.9021 Ophthalmic Medical Technicians 32.204 47.769 55.308 No No No No Pottscondary nondegree award No No No Pottscondary nondegree award Ves Ves 29.9091 Orticotists and Prostheidiss 32.712 66.021 83.226 No Ves Ves No No No Pottscondary nondegree award No Ves Ves No No No Pottscondary nondegree award No Ves Ves No No No Pottscondary nondegree award No Ves Ves No No No Pottscondary nondegree award No Ves Ves No No No Pottscondary nondegree award No Ves Ves No No No Pottscondary nondegree award No No No No No No No No No No No No No No No No No												Yes No
29.2051 Dietectic Technicians 23.321 30.361 32,828 No No No No Associate degree No No No 29.2053 Phyrhamay Technicians 27.944 36,146 38,132 No No No No Postsecondary nondegree award No No No Postsecondary nondegree award No No No No Postsecondary nondegree award No No No No No No Postsecondary nondegree award No			,	,	-,							Yes
193-0552 Pharmacy Fechnicians 26,517 37,130 39,524 No No No No Postsecondary nondegree award No No No No 193-0555 Surgical Fechnicians 29,778 39,188 52,531 60,954 Ves No No No No Postsecondary nondegree award No No No No 193-0555 Surgical Fechnicians 29,778 39,188 52,531 60,954 Ves No No No No Postsecondary nondegree award No No No 193-0556 Veterinary Technicians 32,110 42,809 48,201 No No No No Postsecondary nondegree award No No No 193-0561 Uenseed Practical and Licensed Practical and Licens												No No
29.053 Psychiatric Technologists 27.944 36,146 38,132 No No No Postsecondary nondegree award Ves Ves 29.055 Surgical Technologists and T												No
29-2055 Surgical Technologists and Technicians 29-778 33,361 60,954 Ves No Ves Postsecondary nondegree award Ves Ves												No
39-9057 Ophthalmic Medical Technicians 32,110 42,809 43,201 1,200			39,168									Yes
19-2061		Veterinary Technologists and Technicians	29,778	38,362	44,564	No	No	No	Associate's degree	No	No	No
19-2072 Medical Records Specialists 32,204 47,769 55,308 No No No Postsecondary nondegree award No Yes Ves Ves No No Postsecondary nondegree award Ves V				,	,				Postsecondary nondegree award			No
29-2091 Opticians, Dispensing 36,399 50,720 58,547 Yes No No Postsecondary nondegree award Yes Yes Yes Yes Yes				. ,	. ,				Postsecondary nondegree award			Yes
29-2091 Orthotists and Prosthetists S2,712 66,021 83,226 No Yes Yes Master's degree No No No No No Yes Yes Postsecondary nondegree award Yes Y												Yes
Postsecondary nondegree award Per Postsecondary nondegree award Per					,							Yes
29-2099												No
29-9021 Health Information Technologists and Medical Registrars 31,956 50,297 65,219 No No Yes Postsecondary nondegree award No Yes 29-9091 Athletic Trainers 40,296 56,460 62,783 Yes Yes Yes Master's degree No No Yes 29-9092 Genetic Counselors 50,363 86,911 100,824 Yes Yes Yes Yes Master's degree No Yes 29-9093 Surgical Assistants 31,282 49,522 71,331 No No Yes Postsecondary nondegree award No Yes 29-9099 Healthcare Practitioners and Technical Workers, All Other 30,584 52,409 83,980 No No No Yes Postsecondary nondegree award No Yes 31-1120 Home Health and Personal Care Aides 22,836 30,083 32,216 No No No No No High school diploma or equivalent No No No 31-1132 Orderlies 31-1131 Orderlies 24,545 30,057 32,172 No No No No Postsecondary nondegree award No									, ,			Yes No
29-9091												Yes
29-9092 Genetic Counselors 50,363 86,911 100,824 Yes												No No
29-9093 Surgical Assistants 31,282 49,522 71,331 No No Yes Postsecondary nondegree award No Yes 29-9099 Healthcare Practitioners and Technical Workers, All Other 30,584 52,409 83,980 No No No No High school diploma or equivalent No No No No High school diploma or equivalent No												Yes
Postecondary nondegree award No Yes Postecondary nondegree award No			/	,	,							Yes
31-1120 Home Health and Personal Care Aides 22,836 30,083 32,216 No No No No High school diploma or equivalent No		Healthcare Practitioners and Technical Workers, All Other	30,584	52,409	83,980	No	No	Yes		No		Yes
31-1132	1120	Home Health and Personal Care Aides	22,836	30,083	32,216	No	No	No		No	No	No
31-133 Psychiatric Aides 26,278 31,859 33,905 No No No No No High school diploma or equivalent No									Postsecondary nondegree award			No
31-2011 Occupational Therapy Assistants 52,792 65,502 72,728 Yes Yes Yes Associate's degree Yes Ye												No
31-2012 Occupational Therapy Aides 29,313 54,847 66,889 No Yes Yes Postsecondary nondegree award No Yes												No
31-2021 Physical Therapist Assistants 49,846 65,187 73,877 Yes Yes Yes Associate's degree Yes												Yes
31-2022 Physical Therapist Aides 28,915 35,378 40,860 No No No Postsecondary nondegree award No No 31-9011 Massage Therapists 32,901 51,126 53,447 No No No No Postsecondary nondegree award Yes Yes 31-901 Dental Assistants 36,046 43,772 46,591 Yes No No No Postsecondary nondegree award Yes No 31-9092 Medical Assistants 33,446 39,972 42,787 No No No No Postsecondary nondegree award Yes No 31-9093 Medical Equipment Preparers 31,698 40,101 46,749 No No No No High school diploma or equivalent Yes No												Yes Yes
31-9011 Massage Therapists 32,901 51,126 53,447 No No No Postsecondary nondegree award Yes Yes No 31-9091 Dental Assistants 36,046 43,772 46,591 Yes No No No Postsecondary nondegree award Yes No 31-9092 Medical Assistants 33,446 39,972 42,787 No No No No Postsecondary nondegree award Yes No 31-9093 Medical Equipment Preparers 31,698 40,101 46,749 No No No No Highs school diploma or equivalent Yes No			,	,	,							Yes No
31-9091 Dental Assistants 36,046 43,772 46,591 Yes No No Postsecondary nondegree award Yes No 31-9092 Medical Assistants 33,446 39,972 42,787 No No No No Postsecondary nondegree award Yes No 31-9093 Medical Regiment Preparers 31,698 40,101 46,749 No No No No High stood (ploma or equivalent Yes No												Yes
31-992 Medical Assistants 33,446 39,972 42,787 No No No Postsecondary nondegree award Yes No 31-993 Medical Equipment Preparers 31,698 40,101 46,749 No No No High school diploma or equivalent Yes No												No
31-9093 Medical Equipment Preparers 31,698 40,101 46,749 No No No High school diploma or equivalent Yes No												No
												No
31-9094 Medical Transcriptionists 28,597 38,673 46,119 No No No Postsecondary nondegree award No No	9094	Medical Transcriptionists	28,597	38,673	46,119	No	No	No	Postsecondary nondegree award	No	No	No

Wages - Workforce Re Way 2022	egion 18	Annual M	/ages (\$) by Occupat	tion	Wage Me	ets or Exceeds All C	Occupation Metric			Wage Meets	or Evenade Educa	tional Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu			-	Representative	Average Annu	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
31-9095	Pharmacy Aides	22,295	32,436	37,015	No	No	No	High school diploma or equivalent		No	No	No
31-9096 31-9097	Veterinary Assistants and Laboratory Animal Caretakers	27,353	33,128	36,418	No	No	No	High school diploma or equivalent	1 1	No	No	No
31-9097 31-9099	Phlebotomists Healthcare Support Workers, All Other	32,082 29.861	39,746 38.835	41,094 42,799	No No	No No	No No	Postsecondary nondegree award		No No	No No	No No
33-1011	First-Line Supervisors of Correctional Officers	64,996	87,856	97,783	Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
33-1011	First-Line Supervisors of Police and Detectives	68.008	88.603	97,385	Yes	Yes	Yes	Some college, no degree Bachelor's degree	1 1	Yes	Yes	No
33-1012	First-Line Supervisors of Fronce and Detectives First-Line Supervisors of Firefighting and Prevention Workers	58,550	77,242	82,915	Yes	Yes	Yes	Associate's degree	1 1	Yes	Yes	Yes
33-1091	First-Line Supervisors of Security Workers	33.811	51.694	58,377	Yes	No	No	Bachelor's degree	1 1	No	No	No
33-1099	First-Line Supervisors of Protective Service Workers, All Other	40,552	57,256	69,859	Yes	Yes	Yes	Some college, no degree	1 1	Yes	Yes	Yes
33-2011	Firefighters	38,009	51,335	61,466	Yes	No	Yes	Postsecondary nondegree award	1 1	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	33,436	53,382	74,307	No	No	Yes	Postsecondary nondegree award	1 1	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	54,494	89,613	101,166	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
33-3011	Bailiffs	28,569	54,211	63,845	No	Yes	Yes	High school diploma or equivalent		No	Yes	Yes
33-3012	Correctional Officers and Jailers	36,502	56,388	65,970	Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	38,147	64,664	73,018	Yes	Yes	Yes	Some college, no degree	1	Yes	Yes	Yes
33-3031	Fish and Game Wardens	26,474	28,706	28,872	No	No	No	Bachelor's degree		No	No	No
33-3041	Parking Enforcement Workers	36,027	40,654	36,420	Yes	No	No	High school diploma or equivalent	\perp	Yes	No	No
33-3051 33-3052	Police and Sheriff's Patrol Officers	47,477	61,797	73,476	Yes	Yes	Yes	Associate's degree	1 1	Yes	Yes	Yes
33-3052 33-9011	Transit and Railroad Police Animal Control Workers	58,469	72,646	59,625	Yes	Yes	No	Associate's degree	+	Yes	Yes	No
		35,144	39,473	42,421	Yes	No	No	Postsecondary nondegree award	+	Yes	No	No
33-9021 33-9031	Private Detectives and Investigators Gambling Surveillance Officers and Gambling Investigators	33,580 27,776	52,226 34,884	58,433 37.811	Yes No	No No	No No	Bachelor's degree	1	No No	No No	No No
33-9031	Security Guards	27,776	34,884	37,811	No No	No No	No No	High school diploma or equivalent	1 - 1	No No	No No	No No
33-9032 33-9091	Crossing Guards and Flaggers	23,666	31,787 28.971	34,712 31.023	No No	No No	No No	High school diploma or equivalent No formal educational credential	1 -	No No	No No	No No
33-9091	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	24,404	30,500	31,023 35,718	No No	No No	No No	No formal educational credential No formal educational credential		No No	No No	Yes
33-9092	Transportation Security Screeners	34,541	42.942	46.897	Yes	No	No	High school diploma or equivalent	1 1	Yes	No	No.
33-9094	School Bus Monitors	24,458	29,225	29.882	No.	No	No	High school diploma or equivalent		No	No	No
33-9099	Protective Service Workers, All Other	22,871	37,400	41,910	No	No	No	High school diploma or equivalent	+ +	No	No	No
35-1011	Chefs and Head Cooks	37,456	63,073	73,958	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	29,861	42,752	47,986	No	No	No	High school diploma or equivalent	1 1	No	No	No
35-2011	Cooks, Fast Food	23,440	28,116	29,349	No	No	No	No formal educational credential	1 1	No	No	No
35-2012	Cooks, Institution and Cafeteria	27,815	35,065	37,301	No	No	No	No formal educational credential	1 1	Yes	Yes	Yes
35-2013	Cooks, Private Household	31,673	57,627	71,011	No	Yes	Yes	Postsecondary nondegree award	1 1	No	Yes	Yes
35-2014	Cooks, Restaurant	28,809	34,128	36,737	No	No	No	High school diploma or equivalent	1 1	No	No	No
35-2015	Cooks, Short Order	21,899	32,550	37,272	No	No	No	No formal educational credential	1 1	No	No	Yes
35-2019	Cooks, All Other	27,945	34,596	37,440	No	No	No	No formal educational credential		Yes	Yes	Yes
35-2021	Food Preparation Workers	24,623	31,793	35,208	No	No	No	No formal educational credential		Yes	No	No
35-3011	Bartenders	21,422	35,020	38,687	No	No	No	No formal educational credential		No	Yes	Yes
35-3023	Fast Food and Counter Workers	22,536	26,332	28,059	No	No	No	No formal educational credential		No	No	No
35-3031	Waiters and Waitresses	21,407	33,010	36,634	No	No	No	No formal educational credential		No	Yes	Yes
35-3041	Food Servers, Nonrestaurant	22,373	28,377	30,021	No	No	No	No formal educational credential		No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	20,800	27,917	29,732	No	No	No	No formal educational credential		No	No	No
35-9021	Dishwashers	21,605	27,057	29,298	No	No	No	No formal educational credential	\perp	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	20,822	29,054	30,650	No	No	No	No formal educational credential	1 1	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	22,679	27,992	29,227	No	No	No	No formal educational credential	\perp	No	No	No
37-1011 37-1012	First-Line Supervisors of Housekeeping and Janitorial Workers	31,761 36.306	49,238 52,264	59,737 59.441	No	No No	No No	High school diploma or equivalent	+	Yes	Yes	Yes
37-1012 37-2011	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	23,216	31,283	34,209	Yes No	No No	No No	Some college, no degree	+	Yes No	Yes No	Yes No
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	23,593	30,559	32,881	No.	No	No	High school diploma or equivalent	+ +		No	No
37-2012	Maids and Housekeeping Cleaners Building Cleaning Workers, All Other	23,928	29,783	32,505	No	No	No	No formal educational credential No formal educational credential	+ +	No No	No	No
37-2021	Pest Control Workers	32,110	42,821	47,210	No	No	No	High school diploma or equivalent	1 1	Yes	No	No
37-3011	Landscaping and Groundskeeping Workers	28,999	34,592	37.061	No.	No	No	No formal educational credential	1 1	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	23,981	36,877	38,858	No	No	No	High school diploma or equivalent	1 1	No	No	No
37-3013	Tree Trimmers and Pruners	26,551	41,749	48,102	No	No	No	High school diploma or equivalent	1 1	No	No	No
37-3019	Grounds Maintenance Workers, All Other	25,507	36,018	45,448	No	No	No	No formal educational credential		Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	32,309	56,521	69,366	No	Yes	Yes	Some college, no degree	1 1	Yes	Yes	Yes
	First-Line Supervisors of Entertainment and Recreation Workers, Except	i i						1				
39-1014	Gambling Services	30,185	52,888	63,924	No	No	Yes	Some college, no degree		Yes	Yes	Yes
39-1022	First-Line Supervisors of Personal Service Workers	31,399	64,140	84,930	No	Yes	Yes	Some college, no degree		Yes	Yes	Yes
39-2011	Animal Trainers	26,909	33,335	35,275	No	No	No	High school diploma or equivalent		No	No	No
39-2021	Animal Caretakers	23,432	30,478	32,739	No	No	No	High school diploma or equivalent		No	No	No
39-3011	Gambling Dealers	21,020	34,463	46,545	No	No	No	High school diploma or equivalent		No	No	No
39-3012	Gambling and Sports Book Writers and Runners	20,981	28,001	30,126	No	No	No	High school diploma or equivalent		No	No	No
39-3019	Gambling Service Workers, All Other	20,364	31,712	36,871	No	No	No	High school diploma or equivalent		No	No	No
39-3021	Motion Picture Projectionists	31,154	37,655	42,100	No	No	No	No formal educational credential		Yes	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	21,579	26,279	28,311	No	No	No	No formal educational credential		No	No	No
39-3091	Amusement and Recreation Attendants	21,274	26,990	28,751	No	No	No	No formal educational credential	1 1	No	No	No
39-3092	Costume Attendants	25,318	40,670	47,328	No	No	No	High school diploma or equivalent		No	No	No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	22,363	30,803	34,018	No	No	No	High school diploma or equivalent	+	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	22,802	28,383	28,432	No	No	No	High school diploma or equivalent		No	No	No
39-4011 39-4012	Embalmers	31,986	45,712	51,215	No	No	No	Associate's degree	\perp	No	No	No
	Crematory Operators	30,429	38,781	46,349	No	No	No No	High school diploma or equivalent	1 1	No	No	No No
39-4021	Funeral Attendants Mosticians, Undertakers, and Euneral Assangers	23,155	29,852	33,063	No	No	No	High school diploma or equivalent	1 1	No	No	No No
39-4031 39-5011	Morticians, Undertakers, and Funeral Arrangers	33,954	54,348	63,257	Yes	Yes	Yes	Associate's degree	1 1	No	No	No
39-5011 39-5012	Barbers Hairdrosser Hairstylists and Cosmotologists	21,383	33,073	36,509	No No	No	No No	Postsecondary nondegree award		No	No	No No
39-5012 39-5091	Hairdressers, Hairstylists, and Cosmetologists Makeup Artists, Theatrical and Performance	23,164	38,471	45,667	No	No	No	Postsecondary nondegree award	1 -	No	No	No
39-5092	Manicurists and Pedicurists	22,811	35,073	41,384	No	No	No	Postsecondary nondograp award	+	No	No	No
33-3032	ivianicurists and i editurists	22,011	33,073	41,384	NU	INU	NU	Postsecondary nondegree award		NO	140	INU

Wages - Workforce Re	egion 18		((6) b 0	e I	14/ 84		O	1		/ N 4 - -	r d. Fd	
May 2022			ages (\$) by Occupat Average Annual	High-Level Wage	Representative	Average Annu	Occupation Metric ual High-Level Wage				Average Annua	ional Level Metric I High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement			Wage	Threshold
	,		-			•		·				
39-5093	Shampooers	20,800	23,710	26,868	No	No	No	High school diploma or equivalent	No		No	No
39-5094	Skincare Specialists	28,287	44,289	46,474	No	No	No	Postsecondary nondegree award	No		No	No
39-6011	Baggage Porters and Bellhops	21,167	29,049	33,729	No	No	No	High school diploma or equivalent	No		No	No
39-6012	Concierges	28,432	33,792	37,839	No	No	No	High school diploma or equivalent	No		No	No
39-7010	Tour and Travel Guides	20,951	31,460	38,522	No	No	No	High school diploma or equivalent	No		No	No
39-9011 39-9031	Childcare Workers Exercise Trainers and Group Fitness Instructors	22,091 21,497	29,152 42,982	31,712 49,554	No No	No No	No No	High school diploma or equivalent	No No		No No	No No
39-9032	Recreation Workers	21,497	42,982 33.057	49,554 38.003	No No	No	No No	Postsecondary nondegree award Bachelor's degree	No No		No	No
39-9041	Residential Advisors	24,880	37,808	42,465	No	No	No	Some college, no degree	No		No	No
39-9099	Personal Care and Service Workers, All Other	23.745	32,761	33,586	No.	No	No	High school diploma or equivalent	No		No	No
41-1011	First-Line Supervisors of Retail Sales Workers	29,646	50,218	57,733	No	No	No	Some college, no degree	Yes		Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	43,543	98.897	114,066	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
41-2011	Cashiers	22,363	27,304	29,142	No	No	No	No formal educational credential	No		No	No
41-2012	Gambling Change Persons and Booth Cashiers	20,785	32,583	33,758	No	No	No	No formal educational credential	No		No	No
41-2021	Counter and Rental Clerks	24,174	36,293	38,663	No	No	No	No formal educational credential	No		Yes	Yes
41-2022	Parts Salespersons	22,750	38,930	45,675	No	No	No	High school diploma or equivalent	No		No	No
41-2031	Retail Salespersons	22,762	33,524	35,340	No	No	No	High school diploma or equivalent	No		No	No
41-3011	Advertising Sales Agents	33,954	61,599	71,164	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
41-3021	Insurance Sales Agents	38,356	58,049	61,239	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	38,943	69,736	78,516	Yes	Yes	Yes	Bachelor's degree	No		No	No
41-3041	Travel Agents Sales Representatives of Convices Except Advertising Insurance Financial	24,212	42,775	49,070	No	No	No	Some college, no degree	No		No	No
41-3001	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	21 720	65 303	75 227	No	Vec	Vec	Rachelor's degree	No		No	No
41-3091	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific	31,738	65,293	75,237	No	Yes	Yes	Bachelor's degree	INO		No	No
41-4011	Products	45,056	100,865	126,950	Yes	Yes	Yes	Pashalar's dagrae	No		Yes	Yes
	Sales Representatives, Wholesale and Manufacturing, Except Technical and	45,030	100,003	120,530	163	163	163	Bachelor's degree	INU			163
41-4012	Scientific Products	34.427	71.998	81.179	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
41-9011	Demonstrators and Product Promoters	20.943	45.440	53,557	No	No	No	No formal educational credential	No		Yes	Yes
41-9012	Models	21,520	31,996	34,404	No	No	No	High school diploma or equivalent	No		No	No
41-9021	Real Estate Brokers	28,699	59,692	67,276	No	Yes	Yes	Postsecondary nondegree award	No		Yes	Yes
41-9022	Real Estate Sales Agents	24,321	51,458	62,548	No	No	Yes	Postsecondary nondegree award	No		Yes	Yes
41-9031	Sales Engineers	52,601	117,740	143,517	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
41-9041	Telemarketers	21,799	31,830	32,416	No	No	No	High school diploma or equivalent	No		No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	21,109	34,737	48,875	No	No	No	High school diploma or equivalent	No		No	No
41-9099	Sales and Related Workers, All Other	21,508	36,461	42,367	No	No	No	Some college, no degree	No		No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	37,861	64,660	75,234	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	25,640	31,054	32,095	No	No	No	High school diploma or equivalent	No		No	No
43-2021	Telephone Operators	25,514	30,654	33,562	No	No	No	High school diploma or equivalent	No		No	No
43-2099	Communications Equipment Operators, All Other	22,744	48,160	56,482	No	No	No	High school diploma or equivalent	No		Yes	Yes
43-3011	Bill and Account Collectors	30,147	39,323	40,735	No	No	No	High school diploma or equivalent	No		No	No
43-3021 43-3031	Billing and Posting Clerks	34,091	42,983	47,131	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	31,200	46,691	52,423	No	No	No	Some college, no degree	Yes		Yes	Yes
43-3041	Gambling Cage Workers Payerall and Timpkopping Clorks	21,725	31,379	37,332	No Yes	No No	No No	High school diploma or equivalent	No Yes		No Yes	No Yes
43-3051	Payroll and Timekeeping Clerks Procurement Clerks	37,349 31.477	47,585 41.164	53,410 46,000	No No	No	No No	Some college, no degree Associate's degree	No.		No.	No No
43-3071	Tallars	36,030	40,538	46,721	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-3099	Financial Clerks, All Other	37,014	57.767	64.259	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-4011	Brokerage Clerks	37,783	56,824	60,202	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-4021	Correspondence Clerks	32,740	36,568	39,750	No	No	No	High school diploma or equivalent	Yes		No	No
43-4031	Court, Municipal, and License Clerks	31,848	44,753	48,479	No	No	No	Some college, no degree	Yes		Yes	No
43-4041	Credit Authorizers, Checkers, and Clerks	28,265	42,765	49,844	No	No	No	Some college, no degree	No		No	Yes
43-4051	Customer Service Representatives	28,033	38,009	40,489	No	No	No	High school diploma or equivalent	No		No	No
43-4061	Eligibility Interviewers, Government Programs	27,539	42,199	52,313	No	No	No	High school diploma or equivalent	No		No	No
43-4071	File Clerks	26,278	36,955	39,836	No	No	No	High school diploma or equivalent	No		No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	24,256	30,388	31,826	No	No	No	High school diploma or equivalent	No		No	No
43-4111	Interviewers, Except Eligibility and Loan	30,317	40,337	46,700	No	No	No	High school diploma or equivalent	No		No	No
43-4121	Library Assistants, Clerical	27,914	35,022	35,995	No	No	No	Some college, no degree	No		No	No
43-4131	Loan Interviewers and Clerks	38,895	52,991	61,890	Yes	No	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-4141	New Accounts Clerks	35,501	42,521	46,055	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-4151	Order Clerks	27,435	39,764	45,998	No	No	No	High school diploma or equivalent	No		No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	31,694	41,398	46,700	No	No	No	Associate's degree	No		No	No
43-4171	Receptionists and Information Clerks	24,925	33,174	36,498	No	No	No	High school diploma or equivalent	No		No	No
43-4181 43-4199	Reservation and Transportation Ticket Agents and Travel Clerks Information and Record Clerks, All Other	28,657 24.947	41,355 37.351	47,465 41.551	No No	No No	No No	High school diploma or equivalent	No No		No No	No No
43-4199		24,947 31.749	37,351 50.070	41,551 61.932	No No	No No	No Yes	High school diploma or equivalent	No Yes			No Yes
43-5011	Cargo and Freight Agents Couriers and Messengers	25,572	32,621	34,038	No No	No No	Yes No	High school diploma or equivalent High school diploma or equivalent	Yes No		Yes No	No Yes
43-5021	Public Safety Telecommunicators	35,882	46,024	48,303	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	31.034	44,197	48,546	No.	No	No	High school diploma or equivalent	Yes		No	No
43-5041	Meter Readers, Utilities	28,330	42,100	48,424	No	No	No	High school diploma or equivalent	No		No	No
43-5051	Postal Service Clerks	47,112	58,022	68,307	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5052	Postal Service Mail Carriers	39,645	56,544	71,344	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	38,584	52,083	60,237	Yes	No	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	34,391	51,411	58,777	Yes	No	No	Some college, no degree	Yes		Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	27,405	37,711	42,455	No	No	No	High school diploma or equivalent	No		No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	31,533	35,499	39,037	No	No	No	High school diploma or equivalent	Yes		No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	40,408	62,514	70,806	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	32,136	45,591	50,003	No	No	No	Some college, no degree	Yes		Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	30,320	38,548	41,252	No	No	No	Some college, no degree	Yes		No	No
					-							

Wages - Workforce Re Way 2022	egion 18	A114	ages (\$) by Occupat	1		14/ 84	F	Occupation Metric			14/ 84	or Exceeds Education	
viay 2022			Average Annual	High-Level Wage	R	Representative	Average Annu			 -	Representative	Average Annual	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)		tarting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
43-6014 43-9021	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	28,640	40,694	47,659	N	10	No	No	High school diploma or equivalent		No	No	No
43-9021	Data Entry Keyers Word Processors and Typicts	25,473 22,768	36,292 33.472	39,850 37,830	N	lo lo	No No	No No	High school diploma or equivalent	\vdash	No No	No No	No No
43-9022	Word Processors and Typists Desktop Publishers	25,172	48.992	59,204	N		No	No	High school diploma or equivalent Associate's degree		No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	31,334	47,102	51,677	N		No	No	High school diploma or equivalent		Yes	Yes	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	25,761	38,807	49,741	N		No	No	High school diploma or equivalent		No	No	No
43-9061	Office Clerks, General	25,999	40,889	47,914	N	lo .	No	No	High school diploma or equivalent		No	No	No
43-9071	Office Machine Operators, Except Computer	21,892	32,955	37,381	N		No	No	High school diploma or equivalent		No	No	No
43-9081 43-9111	Proofreaders and Copy Markers Statistical Assistants	27,609 34,717	34,130 45,017	35,745 49,903	N		No No	No No	Bachelor's degree	\sqcup	No	No	No
43-9111	Office and Administrative Support Workers, All Other	29,404	40,639	46,670		'es lo	No	No No	Bachelor's degree Some college, no degree	\vdash	No Yes	No No	No No
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	32.698	58,154	76,445		lo	Yes	Yes	High school diploma or equivalent	\vdash	Yes	Yes	Yes
45-2011	Agricultural Inspectors	27,040	30,647	31,741	N		No	No	Bachelor's degree	i i	No	No	No
45-2021	Animal Breeders	26,484	36,470	38,575	N	lo	No	No	High school diploma or equivalent		No	No	No
45-2041	Graders and Sorters, Agricultural Products	21,853	25,759	26,797	N		No	No	No formal educational credential		No	No	No
45-2091 45-2092	Agricultural Equipment Operators	25,691	35,599	37,860	N		No	No	No formal educational credential	\square	Yes	Yes	Yes
45-2092 45-2093	Farmworkers and Laborers, Crop, Nursery, and Greenhouse Farmworkers, Farm, Ranch, and Aquacultural Animals	23,767 26,944	26,640 35,126	27,368 35,993	N N		No No	No No	No formal educational credential No formal educational credential	\vdash	No Yes	No Yes	No Yes
45-2099	Agricultural Workers, All Other	21,198	43,917	56,168	N		No	No	No formal educational credential		No	Yes	Yes
45-3031	Fishing and Hunting Workers	26,209	35,207	42,139		lo	No	No	No formal educational credential		Yes	Yes	Yes
45-4011	Forest and Conservation Workers	32,045	41,375	48,816	N	lo	No	No	Postsecondary nondegree award	H	No	No	No
45-4021	Fallers	38,330	45,536	51,499		'es	No	No	High school diploma or equivalent		Yes	No	No
45-4022	Logging Equipment Operators	27,972	40,220	47,553	N		No	No	High school diploma or equivalent	ш	No	No	No
45-4023 45-4029	Log Graders and Scalers Logging Workers, All Other	21,853	25,759	26,797	N		No No	No No	High school diploma or equivalent	\vdash	No	No	No
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	40,739 45.781	44,146 69.352	45,703 79,080		'es 'es	Yes	Yes	High school diploma or equivalent Some college, no degree	\vdash	Yes	No Yes	No Yes
47-2011	Boilermakers	20,364	45.869	55.806		lo lo	No	No.	High school diploma or equivalent	\vdash	No	No	Yes
47-2021	Brickmasons and Blockmasons	28,706	43,642	50,792	N		No	No	High school diploma or equivalent		No	No	No
47-2022	Stonemasons	28,540	45,507	56,502	N	No.	No	No	High school diploma or equivalent		No	No	Yes
47-2031	Carpenters	33,158	46,782	52,067		No.	No	No	Postsecondary nondegree award		Yes	Yes	Yes
47-2041 47-2042	Carpet Installers	20,364	33,278	36,480	N		No	No	No formal educational credential	\square	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles Floor Sanders and Finishers	33,053 23,781	44,410 38.526	50,089 47,984	N N		No No	No No	No formal educational credential No formal educational credential	\vdash	Yes No	Yes	Yes Yes
47-2044	Tile and Stone Setters	30.740	42.833	50.387	N		No	No	No formal educational credential	\vdash	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	29,402	41,545	47,043	N		No	No	No formal educational credential		Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	34,394	50,852	56,570	Y	'es	No	No	High school diploma or equivalent	H	Yes	Yes	Yes
47-2061	Construction Laborers	29,948	39,500	44,997	N		No	No	No formal educational credential		Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	31,656	41,501	46,166	N		No	No	High school diploma or equivalent	ш	Yes	No	No
47-2072 47-2073	Pile Driver Operators	33,905	47,347 44.827	48,767		'es	No	No	High school diploma or equivalent	\sqcup	Yes	Yes	No
47-2073	Operating Engineers and Other Construction Equipment Operators Drywall and Ceiling Tile Installers	33,898 21,949	44,827 38,855	48,651 48,435	N	'es	No No	No No	High school diploma or equivalent No formal educational credential	\vdash	Yes No	No Yes	No Yes
47-2082	Tapers	28,001	41,091	46,124	N		No	No	No formal educational credential	\vdash	Yes	Yes	Yes
47-2111	Electricians	37,578	50,413	56,491		'es	No	No	Postsecondary nondegree award		Yes	Yes	Yes
47-2121	Glaziers	29,408	42,001	49,018	N	lo	No	No	High school diploma or equivalent		No	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	28,667	42,579	47,308	N		No	No	High school diploma or equivalent		No	No	No
47-2132	Insulation Workers, Mechanical	35,648	48,003	49,961		'es	No	No	High school diploma or equivalent	ш	Yes	Yes	No
47-2141 47-2142	Painters, Construction and Maintenance	30,352	38,342	41,666 43,598		10 10	No No	No No	No formal educational credential	\vdash	Yes	Yes	Yes
47-2142	Paperhangers Pipelayers	29,029 36,558	36,206 45,031	43,598 47,271		es	No	No No	No formal educational credential No formal educational credential	\vdash	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	32,971	48,765	58,220		lo .	No	No	Postsecondary nondegree award		Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	26,599	42,311	46,479	N		No	No	No formal educational credential	H	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	34,512	45,947	53,936		'es	No	No	High school diploma or equivalent		Yes	No	Yes
47-2181	Roofers	27,931	43,063	48,542	N		No	No	No formal educational credential		Yes	Yes	Yes
47-2211	Sheet Metal Workers	32,375	46,442	51,782	N		No	No	High school diploma or equivalent	\square	Yes	Yes	No
47-2221 47-2231	Structural Iron and Steel Workers Solar Photovoltaic Installers	34,708 34,786	47,759 42,560	55,748 45.830		'es	No No	No No	High school diploma or equivalent	\vdash	Yes	Yes No	Yes No
47-3011	HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	28,390	33,862	36,147		'es lo	No	No	High school diploma or equivalent No formal educational credential		Yes	Yes	Yes
47-3012	HelpersCarpenters	23,521	29,782	32,325	N		No	No	No formal educational credential		No	No	No
47-3013	HelpersElectricians	30,103	36,611	38,133	N	lo	No	No	High school diploma or equivalent	H	No	No	No
47-3014	HelpersPainters, Paperhangers, Plasterers, and Stucco Masons	26,102	30,791	32,240	N	lo	No	No	No formal educational credential		Yes	No	No
47-3015	HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters	28,117	36,979	38,337	N		No	No	High school diploma or equivalent		No	No	No
47-3016	HelpersRoofers	29,254	35,491	37,723		lo .	No	No	No formal educational credential	\square	Yes	Yes	Yes
47-3019 47-4011	Helpers, Construction Trades, All Other Construction and Building Inspectors	29,348 45.212	37,249 60.616	39,592 68.405	N		No	No Yes	No formal educational credential	\vdash	Yes	Yes	Yes
47-4011	Elevator and Escalator Installers and Repairers	45,212 47.768	82,838	100.863		'es 'es	Yes Yes	Yes	Postsecondary nondegree award Postsecondary nondegree award	\vdash	Yes	Yes Yes	Yes Yes
47-4031	Fence Erectors	28,500	39,260	45,556		lo	No	No	No formal educational credential	\vdash	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	35,360	49,405	55,806		'es	No	No	High school diploma or equivalent		Yes	Yes	Yes
47-4051	Highway Maintenance Workers	30,693	35,800	35,029		lo	No	No	High school diploma or equivalent		No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	44,126	53,692	60,956		'es	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	29,930	46,662	54,357	N		No	No	High school diploma or equivalent	Ш	No	Yes	Yes
47-4090 47-5011	Miscellaneous Construction and Related Workers Descrick Operators, Oil and Gas	35,141	44,733	47,328	Y	'es	No	No	High school diploma or equivalent	\vdash	Yes	No	No
47-5011 47-5012	Derrick Operators, Oil and Gas Rotary Drill Operators, Oil and Gas	40.083	52,859	55.239	V.	'es	No	No	No formal educational credential	\vdash	Yes	Yes	Yes
47-5012	Service Unit Operators, Oil and Gas	36.548	53.163	61.133		'es	No	Yes	No formal educational credential	\vdash	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	35,473	48,958	56,285		'es	No	No	High school diploma or equivalent		Yes	Yes	Yes
47-5023	Earth Drillers, Except Oil and Gas	34,120	48,375	50,285	Y	'es	No	No	High school diploma or equivalent		Yes	Yes	No
47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	52,047	69,386	79,970		'es	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
47-5041	Continuous Mining Machine Operators	26,885	39,407	43,598	N	lo	No	No	No formal educational credential	ட	Yes	Yes	Yes

Avy 2022 Occupational Code 47-5043 47-5044 47-5049 47-5051 47-5081 47-5081 47-5091 49-1011 49-2011 49-2021 49-2022 49-2093 49-2093 49-2094	Occupational Title Roof Bolters, Mining Loading and Moving Machine Operators, Underground Mining Underground Mining Machine Operators, All Other Rook Splitters, Quarry		/ages (\$) by Occupat Average Annual Wage (\$)	High-Level Wage Threshold (\$)	Representative Starting Wage	ts or Exceeds All O Average Annua Wage		Educational Requirement	Representative Starting Wage	Average Annua Wage	al High-Level Wage
47-5043 47-5044 47-5049 47-5051 47-5071 47-5071 47-5081 47-5099 49-1011 49-2021 49-2021 49-2091 49-2092 49-2093	Roof Bolters, Mining Loading and Moving Machine Operators, Underground Mining Underground Mining Machine Operators, All Other	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wago	Throchold	Educational Paguirement	Starting Wage	Wage	Throck-14
47-5044 47-5049 47-5051 47-5071 47-5081 47-5099 49-1011 49-2011 49-2021 49-2022 49-2091 49-2092 49-2093	Loading and Moving Machine Operators, Underground Mining Underground Mining Machine Operators, All Other					wage	Tillesilolu	Educational Requirement	Starting wage	wage	Threshold
47-5044 47-5049 47-5051 47-5071 47-5081 47-5099 49-1011 49-2011 49-2021 49-2022 49-2091 49-2093	Loading and Moving Machine Operators, Underground Mining Underground Mining Machine Operators, All Other										
47-5049 47-5051 47-5071 47-5081 47-5099 49-1011 49-2021 49-2022 49-2091 49-2092 49-2093	Underground Mining Machine Operators, All Other								.		
47-5051 47-5071 47-5081 47-5089 49-1011 49-2011 49-2021 49-2022 49-2093 49-2093		35,099	39,740	44,067	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071 47-5081 47-5099 49-1011 49-2011 49-2021 49-2022 49-2091 49-2092 49-2093		35,099 36,127	39,740 65,538	44,067 87.420	Yes	No	No Yes	No formal educational credential No formal educational credential	Yes Yes	Yes	Yes Yes
47-5081 47-5099 49-1011 49-2011 49-2021 49-2022 49-2091 49-2092 49-2093	Roustabouts, Oil and Gas	33,494	48.434	59,860	Yes No	Yes No	No.	No formal educational credential	Yes	Yes	Yes
47-5099 49-1011 49-2011 49-2021 49-2022 49-2091 49-2092 49-2093	HelpersExtraction Workers	28,775	34,385	37,723	No	No	No	High school diploma or equivalent	No	No	No
49-1011 49-2011 49-2021 49-2022 49-2091 49-2092 49-2093	Extraction Workers, All Other	27.218	43.891	42,902	No.	No	No	High school diploma or equivalent	No No	No	No
49-2021 49-2022 49-2091 49-2092 49-2093	First-Line Supervisors of Mechanics, Installers, and Repairers	44,226	68,881	80,892	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2022 49-2091 49-2092 49-2093	Computer, Automated Teller, and Office Machine Repairers	26,230	40,312	49,586	No	No	No	Postsecondary nondegree award	No	No	No
49-2091 49-2092 49-2093	Radio, Cellular, and Tower Equipment Installers and Repairers	41,600	63,648	76,754	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092 49-2093	Telecommunications Equipment Installers and Repairers, Except Line Installers	37,634	55,865	63,037	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2093	Avionics Technicians	37,567	67,046	76,837	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
	Electric Motor, Power Tool, and Related Repairers	30,145	44,675	49,942	No	No	No	High school diploma or equivalent	No	No	No
	Electrical and Electronics Installers and Repairers, Transportation Equipment	39,241	55,082	62,288	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
	Electrical and Electronics Repairers, Commercial and Industrial Equipment	39,353	54,965	64,416	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	39,104	74,849	96,858	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096 49-2097	Electronic Equipment Installers and Repairers, Motor Vehicles	32,515	43,431	47,563	No	No	No	Postsecondary nondegree award	Yes	No	No
49-2098	Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers	38,346 35,078	44,114 48,553	48,890 60,174	Yes	No No	No Yes	Postsecondary nondegree award	Yes Yes	No Yes	No Yes
49-3011	Aircraft Mechanics and Service Technicians	43.717	48,553 53.787	60,174	Yes Yes	Yes	Yes	Postsecondary nondegree award	Yes	No	No No
49-3021	Automotive Body and Related Repairers	33,606	52,645	52,071	Yes	No	No No	Associate's degree Postsecondary nondegree award	Yes	Yes	Yes
49-3021	Automotive Glass Installers and Repairers	36.827	47.612	57,189	Yes	No	No No	High school diploma or equivalent	Yes	Yes	Yes
49-3023	Automotive Glass installers and Repairers Automotive Service Technicians and Mechanics	29,696	48,114	59,779	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	38.576	55.395	64.252	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	36,784	46.186	47,390	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	38,512	51,186	59,183	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	36,666	52,644	58,538	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	35,904	49,573	59,622	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	29,186	45,037	57,774	No	No	No	High school diploma or equivalent	No	No	Yes
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	27,464	42,233	49,331	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	22,969	35,804	42,765	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	28,968	44,039	49,890	No	No	No	High school diploma or equivalent	No	No	No
49-3093	Tire Repairers and Changers	26,326	33,649	35,275	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	30,547	45,076	53,222	No	No	No	High school diploma or equivalent	No	No	Yes
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	36,910	47,866	50,304	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	34,716	48,411	58,072	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	27,918	43,336	48,450	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	38,902	57,199	64,285	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	32,534	53,006	57,539	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9044	Millwrights	39,975	54,778	64,667	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	25,612	33,944	37,322	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	46,874	75,197	98,686	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052 49-9061	Telecommunications Line Installers and Repairers	38,896	50,969	60,518	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9062	Camera and Photographic Equipment Repairers Madical Equipment Repairers	39,407 34,739	52,370 54,250	58,421 60,724	Yes Yes	No Yes	No Yes	Associate's degree	No No	No No	No No
49-9062	Medical Equipment Repairers	27,933	54,250 41,121	50,724		Yes No	Yes No	Associate's degree	No No		No No
49-9064	Musical Instrument Repairers and Tuners Watch and Clock Repairers	24,251	28,853	28,148	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No	No No	No
49-9069	Precision Instrument and Equipment Repairers, All Other	39.720	56,502	64.657	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	27.870	41.624	47.840	No.	No.	No.	High school diploma or equivalent	No.	No.	No.
49-9081	Wind Turbine Service Technicians	47,289	66,694	77,316	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	28.405	36,921	38.016	No.	No	No.	High school diploma or equivalent	No.	No	No
49-9092	Commercial Divers	38.722	52,155	55,865	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	30.804	42,198	51.445	No	No	No	High school diploma or equivalent	Yes	No	No
49-9095	Manufactured Building and Mobile Home Installers	21,402	30,263	38,291	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	32,593	50,666	58,832	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	46,280	62,014	70,022	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	HelpersInstallation, Maintenance, and Repair Workers	25,452	33,792	37,888	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	29,537	41,455	46,287	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	39,294	64,731	77,406	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	32,378	46,084	54,681	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	32,544	44,567	47,484	No	No	No	High school diploma or equivalent	Yes	No	No
	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders,										
51-2028	Tapers, and Finishers	26,612	35,928	40,484	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	34,492	47,906	57,746	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-2041	Structural Metal Fabricators and Fitters	34,825	44,133	49,594	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-2051	Fiberglass Laminators and Fabricators	30,040	40,353	44,433	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters								1		
51-2090	Miscellaneous Assemblers and Fabricators	30,052	37,866	38,079	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	23,707	33,331	38,207	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	29,561	40,603	44,388	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	25,829	35,797	40,617	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	26,063	27,404	28,442	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	24,369	36,274	35,618	No	No	No	No formal educational credential	No	Yes	Yes
51-3092	Food Batchmakers	22,293	32,593	37,204	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	24,584	31,350	34,717	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	21,433	30,651	37,440	No	No	No	No formal educational credential	No	No	Yes
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	30,566	39,642	43,950	No	No	No	High school diploma or equivalent	No	No	No

Nages - Workforce Re Nay 2022	egion 18	Annual W	ages (\$) by Occupat	ion	Wage Meet	te or Evenade All (Occupation Metric	1	Wage M	eets or Exceeds Educ	ational Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu			Representati		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wag		Threshold
	·					•		· ·		-	
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	29,714	39,251	44,831	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	30,038	41,052	44,342	No	No	No	High school diploma or equivalent	No	No	No
	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and										
51-4031	Plastic	27,972	37,386	39,469	No	No	No	High school diploma or equivalent	No	No	No
	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and										
51-4032	Plastic	29,528	55,101	81,859	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
E4 4000	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and								l I		
51-4033	Tenders, Metal and Plastic	28,080	36,019	38,034	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and	27.255	20.425	46.838		No	No		l I		No
51-4034 51-4035	Plastic	27,355	38,125	,	No			High school diploma or equivalent	No	No	
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic Machinists	31,855	39,954	40,154	No	No	No	Postsecondary nondegree award	No	No	No
51-4041	Metal-Refining Furnace Operators and Tenders	31,693 38,340	47,582 48,884	54,080 49,795	No Yes	No No	No No	Postsecondary nondegree award	No Yes	Yes	Yes
51-4052	Pourers and Casters, Metal	29,225	45,693	55,415	No No	No	No	High school diploma or equivalent	No Yes	Yes No	No Yes
51-4061	Model Makers, Metal and Plastic	32.368	50.980	59.331	No No	No	No	High school diploma or equivalent High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	26,444	49,472	76,445	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-4071	Foundry Mold and Coremakers	22,793	39,368	53,829	No No	No	No		No	No	
31-40/1	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders,	22,793	35,300	33,023	INU	INU	NO	High school diploma or equivalent	INO	INU	Yes
51-4072	Metal and Plastic	24,689	36,423	36.800	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	28,522	42,986	46,230	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	38,587	55,157	61,739	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	35,463	45,771	48,960	Yes	No	No	Postsecondary nondegree award Postsecondary nondegree award	Yes	Yes	No No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	29,052	47,496	63,759	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-4191	Heat Treating Equipment Setters, Operators, and Tenders Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	24,437	39.926	46.407	No No	No	No.		No	No	No.
51-4192	Layout Workers, Metal and Plastic	33,249	46,779	51,548	No No	No	No No	High school diploma or equivalent High school diploma or equivalent	Yes	Yes	No
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	29.460	39.417	43.930	No No	No	No	High school diploma or equivalent	No No	No	No No
51-4194	Tool Grinders, Filers, and Sharpeners	26,963	36,078	43,930 38.085	No No	No	No No	High school diploma or equivalent	No	No	No No
51-4199	Metal Workers and Plastic Workers, All Other	28,657	38,252	44.870	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	31,007	41,175	45,369	No	No	No	Postsecondary nondegree award	No	No	No
51-5111	Printing Press Operators	27,279	38,585	44,187	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	26,503	38.291	45,301	No.	No.	No.		No No	No.	No.
51-6011	Laundry and Dry-Cleaning Workers	21,742	27.550	31.100	No	No	No	High school diploma or equivalent No formal educational credential	No	No	No.
51-6021	Pressers, Textile, Garment, and Related Materials	28.062	29,832	30.809	No	No	No	No formal educational credential	Yes	No	No
51-6031	Sewing Machine Operators	21,284	31,023	36,087	No	No	No	No formal educational credential	No.	No	Yes
51-6041	Shoe and Leather Workers and Repairers	23.067	32,289	36,450	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	26,503	38,291	45.301	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	21,588	29,176	29,744	No	No	No	No formal educational credential	No	No	No
51-6052	Tailors, Dressmakers, and Custom Sewers	28.001	34.639	36.411	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	22,597	27,061	27,658	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	28.988	35.184	36.887	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	27,022	31,075	33,836	No	No	No	High school diploma or equivalent	No	No	No
	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and	,	,	,					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
51-6064	Tenders	22,783	32,887	37,381	No	No	No	High school diploma or equivalent	No	No	No
	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and	,	,	0.,000					1 1		
51-6091	Glass Fibers	33.082	57,637	81.977	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	26,444	49,472	76,445	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6093	Upholsterers	28.471	39,560	44,501	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	26,338	34,700	38,662	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	31,246	43,457	48,627	No	No	No	High school diploma or equivalent	Yes	No	No
51-7021	Furniture Finishers	26,840	42,658	51,012	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood								l l		
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	28,126	37,464	47,119	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	30,203	37,951	40,726	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	26,963	31,927	32,270	No	No	No	High school diploma or equivalent	No	No	No
51-8011	Nuclear Power Reactor Operators	47,533	74,996	94,949	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	52,546	86,901	101,548	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	47,533	74,996	94,949	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	47,230	61,681	66,694	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	36,280	49,312	59,640	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	40,964	60,682	65,695	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
51-8092	Gas Plant Operators	33,846	51,029	61,700	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	47,465	61,602	77,620	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	39,495	56,697	63,561	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	29,225	45,693	55,415	No	No	No	High school diploma or equivalent	No	No	Yes
	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,							·	l i		
51-9012	Operators, and Tenders	29,413	45,561	55,671	No	No	No	High school diploma or equivalent	No	No	Yes
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	25,951	40,648	46,434	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	27,884	34,825	37,870	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	27,247	37,840	41,279	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	21,490	34,913	39,221	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	28,193	37,532	44,230	No	No	No	High school diploma or equivalent	No	No	No
	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and								l i		
51-9041	Tenders	27,501	36,162	39,870	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	30,028	38,457	43,167	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	28,178	41,085	46,853	No	No	No	Postsecondary nondegree award	No	No	No
51-9071	Jewelers and Precious Stone and Metal Workers	24,653	47,945	56,041	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	31,230	50,420	53,350	No	No	No	Postsecondary nondegree award	No	Yes	Yes
					-			· · · · · · · · · · · · · · · · · · ·			

Wages - Workforce Region 18

Properties Pro	Nages - Workforce Re Nay 2022	gion 18	Annual	Wages (\$) by Occupa	tion	Wage Mee	ts or Exceeds All Occ	upation Metric	1	Wage Meets	or Exceeds Education	nal Level Metric
Second	, 2022											High-Level Wage
1,000 1,00	Occupational Code	Occupational Title			Threshold (\$)	Starting Wage			Educational Requirement	Starting Wage		
1985 1985												
1991 Security Se		.,				No						
1923 1925		. ,										
Second Second Profession Sec			-,		, .							
1936 Section Content Processing 1936 1936			-, -	- , , -	.,							
1955 Prograph Process Notices of Process 2,000 1,000												
Second Compare Married Comment 1,374 4,355 4,655 4,												
1945 Control Humanistanic Science 1945 194												
1985 Advisor bording printer guintered and from the control of the control o				,								
				,-	. ,							
Section Continue for terminal proporation of purchases 17,000 10,00			,	- ,								
2.75 1.75			-, -									
1995 Modern, Spanner, and Carents, Capet Media of Marge (1997) Modern, Spanner, and Carents, Capet Media of Marge (1997) Modern Modern Modern Marge (1997) Modern Modern Modern Marge (1997) Modern Mod			,		, .							
1.5450 Page from National willing Agent will be a property of the latter 1.5450 1.545			-,		. ,							
3.9397 The Bubbers 3.9492 3.979												
1999 Profession Windows 1,201 1,204			-,	-,								
19-10-19-19-19-19-19-19-19-19-19-19-19-19-19-			-, -	,	,							
Second Comprehensive Segments Proceed Segments		- F										
First Line Experiment Control Processing Control Services Serv	53-1041	Aircraft Cargo Handling Supervisors										
3-2019 Arrand Cargo Induling Soprement \$16,560 37,733 69,735 Yes	** - * * * * * * * * * * * * * * * * *		37,007	33,033	00,570	163	103	103	Then select diploma of equivalent	163	163	103
5.2011 Artin Minis, Cognists, and Flight Engineers 16,669 56,555 1 17,154 17,15	53-1047		36.826	57.733	69.753	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
\$2,000 \$2,000 \$2,000 \$17,125 \$17,126 \$18,000	53-2011		106.649		*			Yes*		Yes	Yes	Yes*
\$2,002	53-2012		55,099	117,125	178,548	Yes	Yes	Yes		Yes	Yes	Yes
\$1.000 Antifolio Departurins Specialists 74,286 12,174 133,975 Yes	53-2021	Air Traffic Controllers	78,286	123,714	153,957	Yes	Yes	Yes		Yes	Yes	Yes
\$2-2013 Fight Attendents \$2-2014 \$1,000	53-2022	Airfield Operations Specialists	78,286	123,714		Yes	Yes	Yes		Yes	Yes	Yes
5-3-011	53-2031	Flight Attendants	34,473			Yes	Yes	Yes		Yes	Yes	Yes
5.38323 New year Tractor Trains Proces Promes 5.5,000 49,425 13,247 No	53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	25,211	30,018	31,868	No	No	No		No	No	No
\$3.933 Light Track Dimers \$2,985 \$4,002 \$47,675 \$No. No. No. No. High school diglorms or equivalent \$No. No. No. No. \$1,985 \$1,000 \$No. No. No. \$1,985 \$1,000 \$No. No. No. \$1,985 \$1,000	53-3031	Driver/Sales Workers	21,548	38,836	44,825	No	No	No	High school diploma or equivalent	No	No	No
\$3.000 \$3.000 \$3.000 \$3.183 \$3.02 \$4.085 \$8.0 \$8.	53-3032	Heavy and Tractor-Trailer Truck Drivers	36,300	49,425	52,347	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
\$3.952 Bis Direce, Transfr and Intercity 3.8,88 39,00 43,155 No No No No High school diploma or equivalent No No No No No No No No No No No No No No No No No		Light Truck Drivers	26,985	43,002	47,457	No	No	No	High school diploma or equivalent	No	No	No
53-3053 Souther Divers and Charlefens 15,709 12,376 33,784 No. No. No. High school diplomator equalworth No. No. No. No. No. No. No. High school diplomator equalworth No.			32,183	38,622	40,485	No	No	No	High school diploma or equivalent	Yes	No	No
\$3.3054 Tax Drivers \$2.0433 \$3.1,026 \$32.271 No									High school diploma or equivalent			No
53-3099 Motor Vehick Operators, All Other 21,400 25,564 32,988 No No No High school diploma or equivalent Ver		Shuttle Drivers and Chauffeurs							High school diploma or equivalent			
53-4011 Locomotive Engineers 55,405 67,301 72,705 Yes Yes No No No High school diploma or equivalent Yes Yes No 53-4012 Railroad Engineers 11,000 No No High school diploma or equivalent Yes Yes No No No High school diploma or equivalent Yes		1 11										
53-4033 Rail Yard Engineers, Dinkey Operators, and Hostlers 31,526 52,850 50,911 No No No High school deplorms or equivalent Yes Yes Yes S3-4021 S3-4022 Railroad Conductors and Yurchmasters 62,043 70,032 72,754 Yes Yes Yes High school deplorms or equivalent Yes Yes Yes S3-4031 Salvay and Street Operators 25,043 70,032 72,754 Yes Yes Yes High school deplorms or equivalent Yes Yes Yes									High school diploma or equivalent			
53-4022 Railroad Brain, Signal, and Switch Operators and Locomothre Firers 38,311 57,931 60,954 Yes Yes Yes High school diploma or equivalent Yes Yes Yes 53-4041 Subway and Streeters operators 40,866 40,866 41,867 Yes Yes Yes Yes High school diploma or equivalent Yes Ye			,	,	,							
53-4011 Sallorad Conductors and Yardmasters 62,043 70,032 72,754 Yes Yes Yes Yes High school diplomator equivalent Yes Yes Yes Yes Sallora and Marine Collers Yes Ye			,	,	,				High school diploma or equivalent			
53-4041 Sulway and Streetar Operators 28,608 40,886 51,352 No No No High school digloma or equivalent No No No S3-30-3099 Rall Transportation Workers, All Other 40,356 41,272 40,406 Yes No No No High school digloma or equivalent No No No No S3-30-301 Salion and Marine Oliers 28,510 44,586 49,188 No No No No High school digloma or equivalent No												
Sal-999 Rail Transportation Workers, All Other												
\$3-9011 Sallors and Marline Ollers 28,510 44,586 49,188 No No No No No No Signature 53-9021 Captains, Matery Sallors and Flots of Water Vessels 33,555 64,049 75,342 Ves Ves Ves Postsecondary nondegree award Ves Ves No No No Postsecondary nondegree award Ves Ves No												
53-5021 Captains, Mates, and Pilots of Water Vessels 33,555 64,049 76,342 Ves												
53-5922 Motorboat Operators 37,993 46,194 48,411 Yes No No Postsecondary nondegree award Yes Yes No No No No No No No N												
S3-5031 Ship Engineers 71,050 96,232 107,099 Yes Yes Yes Postsecondary of youndegree award Yes												
33-6011 Bridge and Lock Tenders 23,576 31,369 35,618 No												
Sa-6021 Parking Attendants												
33-6031 Automotive and Watercraft Service Attendants 27,563 33,453 39,056 No												
S3-6032 Aircraft Service Attendants 30,627 35,225 36,981 No No No No High school diploma or equivalent No No No No S3-6051 Transportation inspectors 39,358 83,719 105,621 Yes No No No No High school diploma or equivalent Yes Yes Yes Yes S3-6051 Passenger Attendants 21,653 28,672 39,737 No No No No High school diploma or equivalent No No No No No S3-7011 Conveyor Operators and Tenders 28,651 30,712 31,272 No												
S3-6041 Traffic Technicians 35,090 50,393 57,122 Yes No No Associate's degree No No No No No No No												
S3-6051 Transportation Inspectors 39,358 83,719 105,621 Yes												
S3-6061 Passenger Attendants 21,653 28,672 39,737 No												
S3-099												
53-7011 Conveyor Operators and Tenders 28,651 30,712 31,272 No												
S3-7021 Crane and Tower Operators 36,401 72,700 87,786 Yes			-,	,	. ,							
53-7031 Dredge Operators 34,962 46,339 48,258 Yes No No High school diploma or equivalent Yes No No No No No No No N												
S3-7051 Hoist and Winch Operators 31,584 49,491 50,715 No No No No No No formal educational credential Yes Yes Yes Yes S3-7051 Industrial Truck and Tractor Operators 30,165 39,963 43,863 No												
S3-7051 Industrial Truck and Tractor Operators 30,165 39,963 43,863 No		Hoist and Winch Operators						No				
S3-7061 Cleaners of Vehicles and Equipment 22,697 31,265 35,568 No					43,863		No	No				
53-7062 Laborers and Freight, Stock, and Material Movers, Hand 27,200 35,050 38,572 No No No No formal educational credential Yes Y												
53-7063 Machine Feeders and Offbearers 27,996 34,312 35,333 No No No No formal educational credential Yes Yes No No 53-7064 Packers and Packagers, Hand 23,630 27,361 29,340 No No <td></td>												
53-7064 Packers and Packagers, Hand 23,630 27,361 29,340 No N									No formal educational credential	Yes	Yes	No
53-7065 Stockers and Order Fillers 27,112 33,853 36,633 No No No High school diploma or equivalent No No No No 53-7071 Gas Compressor and Gas Pumping Station Operators 30,057 35,853 33,308 No No No High school diploma or equivalent No No <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>												
53-7071 Gas Compressor and Gas Pumping Station Operators 30,057 35,853 33,308 No No No High school diploma or equivalent No No No 53-7072 Pump Operators, Except Wellhead Pumpers 47,444 53,850 63,042 Yes Yes Yes High school diploma or equivalent Yes Yes Yes 53-7073 Wellhead Pumpers 30,057 35,853 33,308 No No No High school diploma or equivalent Yes Yes Yes 53-7081 Refuse and Recyclable Material Collectors 33,126 42,890 47,071 No No No No No formal educational credential Yes Yes Yes 53-7121 Tank Car, Truck, and Ship Loaders 42,452 59,165 60,075 Yes Yes Yes No formal educational credential Yes Yes Yes			-,									
53-7072 Pump Operators, Except Wellhead Pumpers 47,444 53,850 63,042 Yes		Gas Compressor and Gas Pumping Station Operators										
53-7073 Wellhead Pumpers 30,057 35,853 33,308 No No No High school diploma or equivalent No No No No Saryona Refuse and Recyclable Material Collectors 33,126 42,890 47,071 No No No No Grant educational credential Yes Yes Yes Saryona Refuse August 1 Tank Car, Truck, and Ship Loaders 42,452 59,165 60,075 Yes Yes Yes Yes No formal educational credential Yes Yes Yes Yes Yes No formal educational credential Yes Yes Yes Yes Yes Yes Yes No formal educational credential Yes												
53-7081 Refuse and Recyclable Material Collectors 33,126 42,890 47,071 No No No No formal educational credential Image: Vest of the properties												
53-7121 Tank Car, Truck, and Ship Loaders 42,452 59,165 60,075 Yes Yes Yes No formal educational credential Yes Yes Yes												
	53-7199	Material Moving Workers, All Other	27,300	34,930	40,036	No	No	No	No formal educational credential	Yes	Yes	Yes

 $[\]ensuremath{^{*}}$ indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

Summary - Workforce Region 18

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	33,511	53,505	60,021	824
No formal educational credential	24,421	32,706	35,535	84
High school diploma or equivalent	30,729	46,419	52,500	235
Some college, no degree	29,324	43,886	49,815	49
Postsecondary nondegree award	32,490	44,644	50,496	89
Associate's degree	40,357	58,140	65,831	68
Bachelor's degree	46,182	86,727	100,186	184
Master's degree	55,578	85,202	97,511	42
Doctoral or professional degree	69,126	154,562	152,028	73

	Representative	Starting Wage	Average Ar	nual Wage	High-Level Wa	age Threshold
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric
All Occupations	499	325	491	333	484	340
No formal educational credential	45.24%	54.76%	38.10%	61.90%	33.33%	66.67%
High school diploma or equivalent	68.94%	31.06%	78.72%	21.28%	78.30%	21.70%
Some college, no degree	30.61%	69.39%	32.65%	67.35%	30.61%	69.39%
Postsecondary nondegree award	41.57%	58.43%	29.21%	70.79%	33.71%	66.29%
Associate's degree	64.71%	35.29%	52.94%	47.06%	51.47%	48.53%
Bachelor's degree	59.78%	40.22%	65.22%	34.78%	65.22%	34.78%
Master's degree	78.57%	21.43%	66.67%	33.33%	61.90%	38.10%
Doctoral or professional degree	82.19%	17.81%	65.75%	34.25%	63.01%	36.99%

Wages - Workforce Re Way 2022	egion 19	Annual W	Vages (\$) by Occupat	tion	Wage Mee	s or Evenade All (Occupation Metric		_	Wage Meets	or Exceeds Education	nal Level Metric
18 y 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
	al: (s:											
11-1011 11-1021	Chief Executives General and Operations Managers	27,819 37,178	146,157 89.135	209,209 104.406	No	Yes	Yes Yes	Bachelor's degree		No No	Yes	Yes
11-1021	General and Operations Managers Legislators	52.111	89,135 102,324	104,406	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	-	NO Yes	Yes	Yes
11-2011	Advertising and Promotions Managers	47.142	102,324	127,972	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
11-2021	Marketing Managers	60,596	134.026	166.835	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2022	Sales Managers	50,436	126,599	160,264	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2032	Public Relations Managers	53,435	101,260	117,625	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2033	Fundraising Managers	57,783	109,771	133,653	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3012	Administrative Services Managers	60,008	102,159	132,036	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3013	Facilities Managers	44,990	95,560	109,990	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	67,756	124,806	157,534	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3031	Financial Managers	60,108	120,793	135,483	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3051	Industrial Production Managers	44,394	103,056	126,488	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3061	Purchasing Managers	66,667	119,507	145,084	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	48,390	94,725	116,966	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	64,892	108,183	135,490	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3121 11-3131	Human Resources Managers	45,106	99,527	129,324	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
11-9013	Training and Development Managers Farmers, Ranchers, and Other Agricultural Managers	55,405 21.450	102,299	121,628	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
11-9021	Construction Managers	52,294	78,825 106,016	110,126 130,968	No Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	-	No Yes	Yes	Yes Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	30,402	50.758	50.254	No.	Yes	No.	Bachelor's degree	-	No	No.	No
11-9032	Education Administrators, Kindergarten through Secondary	51,376	83,320	102,126	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	53,958	89,963	92,430	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
11-9039	Education Administrators, All Other	31,425	63,960	83,822	Yes	Yes	Yes	Master's degree		No	No	Yes
11-9041	Architectural and Engineering Managers	72,559	97,479	109,408	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9051	Food Service Managers	31,667	57,635	68,829	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
11-9071	Gambling Managers	54,757	105,112	106,221	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
11-9072	Entertainment and Recreation Managers, Except Gambling	35,659	73,625	87,363	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-9081	Lodging Managers	42,049	68,437	67,908	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9111	Medical and Health Services Managers	57,022	111,704	118,999	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9121	Natural Sciences Managers	52,021	69,671	77,064	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
11-9131	Postmasters and Mail Superintendents	67,483	81,763	89,457	Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	28,004	61,879	62,979	No	Yes	Yes	Bachelor's degree		No	No	No
11-9151	Social and Community Service Managers	37,307	62,876	73,828	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9161	Emergency Management Directors	44,462	79,863	95,447	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9171	Funeral Home Managers	41,551	71,805	72,755	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
11-9179	Personal Service Managers, All Other	42,554	69,551	83,724	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
11-9199	Managers, All Other	42,380	87,415	101,869	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-1011 13-1020	Agents and Business Managers of Artists, Performers, and Athletes	26,615	85,375 56,727	139,093 70.288	No	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-1020	Buyers and Purchasing Agents Claims Adjusters, Examiners, and Investigators	30,899 55,169	79,187	70,288 95,222	Yes	Yes	Yes Yes	Bachelor's degree	-	No Yes	No Yes	No Yes
13-1031	Insurance Appraisers, Auto Damage	55,169 43,894			Yes			Some college, no degree	_			
13-1032	Compliance Officers	43,894 34,823	61,049 61,633	69,791 75,475	Yes Yes	Yes	Yes Yes	Postsecondary nondegree award Bachelor's degree	-	Yes No	Yes No	Yes No
13-1041	Cost Estimators	28.819	60,748	75,475	No	Yes	Yes	Bachelor's degree Bachelor's degree	-	No	No	No
13-1071	Human Resources Specialists	33,643	55,569	64,808	Yes	Yes	Yes	Bachelor's degree	-	No	No	No
13-1074	Farm Labor Contractors	21,450	78,825	110,126	No	Yes	Yes	No formal educational credential	-	No	Yes	Yes
13-1075	Labor Relations Specialists	36,377	69.232	88.623	Yes	Yes	Yes	Bachelor's degree	1	No	No	Yes
13-1081	Logisticians	30,160	63,509	75,552	No	Yes	Yes	Bachelor's degree		No	No	No
13-1082	Project Management Specialists	44,384	86,914	98,740	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1111	Management Analysts	38,369	64,744	73,892	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1121	Meeting, Convention, and Event Planners	28,426	49,104	59,079	No	Yes	Yes	Bachelor's degree		No	No	No
13-1131	Fundraisers	29,429	53,656	68,282	No	Yes	Yes	Bachelor's degree		No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	35,304	62,265	71,388	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1151	Training and Development Specialists	27,663	52,843	61,410	No	Yes	Yes	Bachelor's degree		No	No	No
13-1161	Market Research Analysts and Marketing Specialists	29,125	64,870	76,710	No	Yes	Yes	Bachelor's degree		No	No	No
13-1199	Business Operations Specialists, All Other	35,340	63,771	76,462	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2011	Accountants and Auditors	35,526	70,453	82,383	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2020	Property Appraisers and Assessors	37,094	59,973	74,681	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2031	Budget Analysts	41,738	69,844	84,505	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2041	Credit Analysts	49,250	91,320	96,957	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-2051	Financial and Investment Analysts	45,971	80,946	90,158	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
13-2052 13-2053	Personal Financial Advisors Insurance Underwriters	34,349 41.471	90,981 64.386	97,365 75.825	Yes	Yes	Yes	Bachelor's degree	-	No	Yes	Yes
13-2053 13-2054	Insurance Underwriters Financial Risk Specialists	41,471 48.278	64,386 97,595	75,825 113,472	Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	-	No Yes	No Yes	No Yes
13-2054	Financial Examiners	48,278 39.643	69,693	113,472 85.437	Yes Yes	Yes	Yes	Bachelor's degree Bachelor's degree	-	Yes No	Yes No	Yes
13-2051	Credit Counselors	39,643	43.628	43,912	Yes No	Yes No	Yes No	Bachelor's degree Bachelor's degree	1	No No	No No	Yes No
13-2071	Loan Officers	30,263	69,393	43,912 82,780	Yes	Yes	Yes	Bachelor's degree	1	No	No	No
13-2072	Tax Examiners and Collectors, and Revenue Agents	29.245	46.271	41.113	No	No	No	Bachelor's degree		No	No	No
13-2082	Tax Preparers	24,428	43,618	51,365	No	No	No	Postsecondary nondegree award		No	Yes	Yes
13-2099	Financial Specialists, All Other	39.069	70.296	79.048	Yes	Yes	Yes	Bachelor's degree		No	No	No
15-1211	Computer Systems Analysts	38,061	69,736	91,114	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
15-1212	Information Security Analysts	61,608	95,999	128,708	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	70,270	117,075	157,428	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
15-1231	Computer Network Support Specialists	37,685	65,602	80,600	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1232	Computer User Support Specialists	24,419	54,004	61,590	No	Yes	Yes	Postsecondary nondegree award		No	Yes	Yes
15-1241	Computer Network Architects	57,410	102,512	122,986	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1242	Database Administrators	31,133	56,649	78,295	Yes	Yes	Yes	Bachelor's degree		No	No	No
15-1243	Database Architects	65,673	117,474	140,513	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
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Nages - Workforce Re Nay 2022	egion 19	Annual W	/ages (\$) by Occupat	ion	Waga Mag	ts or Evanade All (Occupation Metric	Т	1 1	Wage Meets	or Exceeds Educat	onal Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
15-1244	Network and Computer Systems Administrators	47,012	68,914	81,706	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
15-1251	Computer Programmers	43,122	82,819	96,290	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1252 15-1253	Software Developers	59,975 42.634	114,782	135,797 95.643	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1253	Software Quality Assurance Analysts and Testers Web Developers	,	79,633	,	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1255	Web and Digital Interface Designers	42,403 38.898	71,992 75,737	84,700 86,235	Yes Yes	Yes	Yes Yes	Associate's degree Associate's degree		Yes Yes	Yes	Yes Yes
15-1299	Computer Occupations, All Other	33,451	63,036	70,317	Yes	Yes	Yes	Bachelor's degree		No	No No	No No
15-2011	Actuaries	63,001	111.235	119,906	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
15-2021	Mathematicians	03,001	111,233	113,500	163	103	1.03	buchelor 5 degree	1	103	163	103
15-2031	Operations Research Analysts	35,672	50,016	44,704	Yes	Yes	No	Bachelor's degree	1 1	No	No	No
15-2041	Statisticians	36,138	74,388	90,105	Yes	Yes	Yes	Master's degree		No	Yes	Yes
15-2051	Data Scientists	46,947	89,439	113,428	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2099	Mathematical Science Occupations, All Other											
17-1011	Architects, Except Landscape and Naval	34,150	79,828	91,915	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
17-1012	Landscape Architects	43,100	68,789	75,955	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-1021	Cartographers and Photogrammetrists	39,271	61,085	71,841	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1022	Surveyors	28,028	64,124	83,466	No	Yes	Yes	Bachelor's degree		No	No	No
17-2011	Aerospace Engineers	68,637	102,822	119,666	Yes	Yes	Yes	Bachelor's degree	1	Yes	Yes	Yes
17-2021 17-2031	Agricultural Engineers	45,914	85,527	111,527	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	52,778	87,682	109,833	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2041 17-2051	Chemical Engineers Civil Engineers	59,798 45,786	96,850 88,856	119,134 109,157	Yes Yes	Yes Yes	Yes Yes	Bachelor's degree Bachelor's degree	+	Yes	Yes Yes	Yes Yes
17-2061	Computer Hardware Engineers	45,786 59,381	106,195	109,157	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	1 1	Yes	Yes	Yes
17-2061	Electrical Engineers	59,381 54.890	106,195 89.324	123,456	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	+	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	68,593	94,391	109,629	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
17-2081	Environmental Engineers	66,740	80.346	92.581	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	44.436	75.657	92,696	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
17-2112	Industrial Engineers	55,502	87,274	107,721	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	45,731	69,232	81,416	Yes	Yes	Yes	Bachelor's degree	Ti	Yes	No	No
17-2131	Materials Engineers	50,444	82,437	100,994	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2141	Mechanical Engineers	51,704	84,106	97,524	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers											
17-2161	Nuclear Engineers											
17-2171	Petroleum Engineers											
17-2199	Engineers, All Other	44,387	70,754	82,499	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-3011	Architectural and Civil Drafters	36,005	50,250	56,602	Yes	Yes	Yes	Associate's degree	1	Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters	41,054	51,997	61,129	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3013 17-3019	Mechanical Drafters Drafters, All Other	31,381	50,746	61,564	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3019	Aerospace Engineering and Operations Technologists and Technicians	32,446 32,251	49,219 69.347	55,964 94.817	Yes Yes	Yes	Yes Yes	Associate's degree		No No	Yes	Yes Yes
17-3021	Civil Engineering Technologists and Technologists and Technicians	32,348	49,752	58,174	Yes	Yes	Yes	Associate's degree Associate's degree		No	Yes	Yes
17-3022	Electrical and Electronic Engineering Technologists and Technicians	34.088	54,429	66.560	Yes	Yes	Yes	Associate's degree	+	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	40,797	63,170	71,353	Yes	Yes	Yes	Associate's degree	+	Yes	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	27.858	41,010	46,353	No	No	No	Associate's degree	1	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	35,144	53,452	59,700	Yes	Yes	Yes	Associate's degree	1 1	Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	34,798	53,106	59,301	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3028	Calibration Technologists and Technicians	34,700	56,363	71,548	Yes	Yes	Yes	Associate's degree	Ti	Yes	Yes	Yes
17-3029	Engineering Technologists and Technicians, Except Drafters, All Other	31,736	60,765	76,385	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3031	Surveying and Mapping Technicians	27,218	41,377	46,876	No	No	No	Associate's degree		No	No	No
19-1011	Animal Scientists											
19-1012	Food Scientists and Technologists	35,215	69,924	96,326	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
19-1013	Soil and Plant Scientists	35,366	73,704	91,924	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
19-1021	Biochemists and Biophysicists	35,588	77,938	98,225	Yes	Yes	Yes	Doctoral or professional degree	1 1	No	No	No
19-1022	Microbiologists Zeologists and Wildlife Biologists	32,313	53,142	65,096	Yes	Yes	Yes	Master's degree	1 1	No	No	No
19-1023 19-1029	Zoologists and Wildlife Biologists Biological Scientists. All Other	35,866	43,868	49,171	Yes	No	No	Master's degree	1-1	No	No No	No No
19-1029 19-1031	Biological Scientists, All Other Conservation Scientists	43,680	58,115	68,411	Yes	Yes	Yes	Bachelor's degree	+	Yes	No No	No No
19-1031	Conservation Scientists Foresters	28,300 33.174	53,842 53,612	67,105 63.135	No Yes	Yes	Yes Yes	Bachelor's degree	1 1	No No	No No	No No
19-1032	Epidemiologists	51,367	77,308	90,975	Yes	Yes	Yes	Bachelor's degree Doctoral or professional degree	1 1	No	No No	No No
19-1041	Medical Scientists, Except Epidemiologists	48,953	77,308 87,993	110,410	Yes	Yes	Yes	Bachelor's degree	+	Yes	Yes	Yes
19-1099	Life Scientists, All Other	40,555	37,333	110,410	1.0				1 1			
19-2011	Astronomers								1 1			
19-2012	Physicists	69.134	141.409	198.367	Yes	Yes	Yes	Doctoral or professional degree	1 1	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	55,556	74,503	80,263	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
19-2031	Chemists	35,241	65,930	79,899	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
19-2032	Materials Scientists	61,120	103,080	120,589	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	34,986	56,875	66,174	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	42,812	81,816	98,571	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-2043	Hydrologists	38,463	60,534	72,196	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2099	Physical Scientists, All Other	40,167	95,847	118,752	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
19-3011	Economists	53,763	85,383	104,091	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
19-3022	Survey Researchers	46,947	89,439	113,428	Yes	Yes	Yes	Master's degree		No	Yes	Yes
19-3032	Industrial-Organizational Psychologists	66,054	113,676	137,558	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	No
19-3033	Clinical and Counseling Psychologists	33,165	83,635	110,029	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3034	School Psychologists	40,549	65,930	72,560	Yes	Yes	Yes	Doctoral or professional degree	1 1	No	No	No
19-3039	Psychologists, All Other	43,708	89,253	107,064	Yes	Yes	Yes	Doctoral or professional degree	1 1	No	No	No
19-3041	Sociologists	26,047	52,094	45,128	No	Yes	No	Master's degree	1 1	No	No	No
19-3051	Urban and Regional Planners	39,906	73,269	97,510	Yes	Yes	Yes	Master's degree		No	Yes	Yes

Wages - Workforce Re May 2022	egion 19	Annual M	ages (\$) by Occupat	ion	Wage Mee	ts or Evenode All (Occupation Metric	T	Wago M	ote or Evenode Educ	ational Level Metric
way 2022			Average Annual	High-Level Wage	Representative	Average Annu			Representation		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage		Threshold
19-3091 19-3092	Anthropologists and Archeologists	35,552	55,973	66,214	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers Historians	31.949	63.818	86.866	Yes	Yes	Yes	Master's degree	No	No	Yes
19-3094	Political Scientists	31,545	03,010	80,800	res	res	res	iviaster's degree	NO	NO	res
19-3099	Social Scientists and Related Workers, All Other	50.169	76,322	91,143	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4012	Agricultural Technicians	26,668	35,472	41,179	No	No	No	Associate's degree	No	No	No
19-4013	Food Science Technicians	28,914	46,841	64,528	No	No	Yes	Associate's degree	No	Yes	Yes
19-4021	Biological Technicians	31,054	44,872	52,187	Yes	No	No	Bachelor's degree	No	No	No
19-4031 19-4042	Chemical Technicians	28,461 23,466	45,554 36,705	55,174 43,511	No No	No No	Yes No	Associate's degree	No	No.	Yes
19-4043	Environmental Science and Protection Technicians, Including Health Geological Technicians, Except Hydrologic Technicians	41,430	77,135	100,754	Yes	Yes	Yes	Associate's degree Associate's degree	No Yes	No Yes	No Yes
19-4044	Hydrologic Technicians	32,047	50,089	59,904	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
19-4051	Nuclear Technicians	32,5									
19-4061	Social Science Research Assistants	27,307	43,770	50,266	No	No	No	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	30,192	41,871	49,823	No	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	33,298	54,127	66,445	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099 19-5011	Life, Physical, and Social Science Technicians, All Other Occupational Health and Safety Specialists	23,997	43,930	52,920	No	No	No	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Technicians	33,218 35,801	67,888 55,325	91,121 61,679	Yes Yes	Yes	Yes Yes	Bachelor's degree	No Yes	No Yes	Yes Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	34,208	53,349	62,135	Yes	Yes	Yes	Postsecondary nondegree award Master's degree	No	No	No
21-1013	Marriage and Family Therapists	30,289	40,273	43,140	No	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	23,142	37,645	40,789	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	34,718	46,939	56,354	Yes	No	Yes	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	27,006	37,859	40,753	No	No	No	Master's degree	No	No	No
21-1021 21-1022	Child, Family, and School Social Workers	30,054	46,843	58,967	No	No	Yes	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers Mental Health and Substance Abuse Social Workers	32,088 34,701	52,484 48.384	61,654 54.801	Yes Yes	Yes	Yes Yes	Master's degree Bachelor's degree	No No	No No	No No
21-1025	Social Workers, All Other	35,006	46,3848	49.483	Yes	No	No.	Bachelor's degree Bachelor's degree	No	No	No
21-1025	Health Education Specialists	24,941	56,017	74,143	No	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	32,282	41,994	47,778	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	24,373	35,649	39,000	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	31,200	41,850	46,238	Yes	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	18,921	50,453	52,929	No	Yes	No	Bachelor's degree	No	No	No
21-2011	Clergy	27,305	46,708	55,843	No	No	Yes	Master's degree	No	No	No
21-2021 21-2099	Directors, Religious Activities and Education Religious Workers, All Other	26,411 26,003	47,870 42,989	57,552 54.162	No No	Yes No	Yes Yes	Bachelor's degree	No No	No No	No No
23-1011	Lawyers	52,000	97,989	116,160	Yes	Yes	Yes	Bachelor's degree Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	33,165	50,275	56.372	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	37,842	83,174	103,284	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators										
23-1023	Judges, Magistrate Judges, and Magistrates	37,842	83,174	103,284	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-2011 23-2093	Paralegals and Legal Assistants	30,774	44,780	54,482	Yes	No	Yes	Associate's degree	No	No	Yes
23-2093	Title Examiners, Abstractors, and Searchers Legal Support Workers, All Other	28,142 26,118	47,506 56,621	55,467 60,650	No No	Yes	Yes Yes	High school diploma or equivalent	No No	Yes	Yes Yes
25-1011	Business Teachers, Postsecondary	42.066	76,207	87.043	Yes	Yes	Yes	Associate's degree Doctoral or professional degree	No	No.	No No
25-1021	Computer Science Teachers, Postsecondary	42,812	80,849	100,186	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	78,748	83,547	90,399	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1031	Architecture Teachers, Postsecondary	34,443	91,392	114,590	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	41,764	80,165	110,286	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041 25-1042	Agricultural Sciences Teachers, Postsecondary Biological Science Teachers, Postsecondary	46,725	70.224	00.027	V	V	V	Destruct or conferring the same	N-	N-	No
25-1042	Forestry and Conservation Science Teachers, Postsecondary	40,725	79,224	88,827	Yes	Yes	Yes	Doctoral or professional degree	No	No	INO
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	41.551	57.100	55.325	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	35,446	72,506	87,087	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary										
25-1054	Physics Teachers, Postsecondary	42,581	57,233	56,558	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061 25-1062	Anthropology and Archeology Teachers, Postsecondary	41,551	75,710	88,951	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062 25-1063	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	43,158 41,755	59,505 52,875	68,317 48,545	Yes	Yes	Yes No	Doctoral or professional degree	No No	No No	No No
25-1063 25-1064	Economics Teachers, Postsecondary Geography Teachers, Postsecondary	41,755	52,875 57,100	48,545 55,325	Yes Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No
25-1065	Political Science Teachers, Postsecondary	40.318	56,771	52,423	Yes	Yes	No.	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	42,350	72,710	82,703	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	, , , , ,						,			
25-1069	Social Sciences Teachers, Postsecondary, All Other	41,170	57,934	68,167	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	65,399	77,721	72,449	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
25-1072 25-1081	Nursing Instructors and Teachers, Postsecondary	73,756	83,553	79,935	Yes	Yes	Yes	Master's degree	Yes	Yes	No
25-1081 25-1082	Education Teachers, Postsecondary Library Science Teachers, Postsecondary	33,671 43.025	66,321 65.904	76,136 72.622	Yes Yes	Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No
25-1002	Criminal Justice and Law Enforcement Teachers, Postsecondary	37,966	51,713	54,074	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	40,273	125,462	185,517	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
25-1113	Social Work Teachers, Postsecondary	., .		,-					1 1		
25-1121	Art, Drama, and Music Teachers, Postsecondary	41,684	77,725	87,442	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	40,806	71,122	88,223	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	39,466	60,996	69,862	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124 25-1125	Foreign Language and Literature Teachers, Postsecondary	36,484	60,321	70,039	Yes	Yes	Yes	Doctoral or professional degree	No No	No No	No No
25-1125	History Teachers, Postsecondary Philosophy and Religion Teachers, Postsecondary	37,327 40.460	49,423 59,878	43,495 70,181	Yes Yes	Yes	No Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No
25-1120	Family and Consumer Sciences Teachers, Postsecondary	33,671	66,321	76,136	Yes	Yes	Yes	Master's degree	No	No	No
	1 . ,	1 33,071	30,321	.0,133	1				1 1		

Wages - Workforce Re Way 2022	egion 19	Annual W	/ages (\$) by Occupat	tion	Wage Mee	ts or Evenads All (Occupation Metric			Wage Meets	or Evenade Educat	tional Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu			1	Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	39,093	66,702	70,359	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1194 25-1199	Career/Technical Education Teachers, Postsecondary	35,110 32,970	63,225	78,922 68,912	Yes	Yes	Yes	Master's degree	1	No	No	No
25-1199 25-2011	Postsecondary Teachers, All Other Preschool Teachers, Except Special Education	22,610	58,422 28,521	29.332	Yes No	Yes No	Yes No	Doctoral or professional degree Associate's degree	1	No No	No No	No No
25-2011	Kindergarten Teachers, Except Special Education	39.004	52,352	59,123	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
25-2021	Elementary School Teachers, Except Special Education	47.783	55,464	61.061	Yes	Yes	Yes	Bachelor's degree		Yes	No	No.
25-2022	Middle School Teachers, Except Special and Career/Technical Education	47,187	53,837	60,730	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	42,306	58,467	66,259	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	47,743	61,232	62,808	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2032	Career/Technical Education Teachers, Secondary School	41,933	55,600	60,268	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2051	Special Education Teachers, Preschool	33,591	53,488	68,211	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	36,815	53,185	63,614	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2057	Special Education Teachers, Middle School	41,782	56,541	69,737	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2058	Special Education Teachers, Secondary School	41,267	58,768	69,001	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2059	Special Education Teachers, All Other	25,772	52,698	71,477	No	Yes	Yes	Bachelor's degree		No	No	No
	Adult Basic Education, Adult Secondary Education, and English as a Second											
25-3011	Language Instructors	37,606	55,789	61,407	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-3021 25-3031	Self-Enrichment Teachers	26,633	40,471	45,460	No	No	No	Some college, no degree	\perp	Yes	No	No
25-3041	Substitute Teachers, Short-Term Tutors	23,524	65,312	46,976	No	Yes	No	Bachelor's degree	-	No	No	No
25-3041		31,587	65,590	76,425	Yes	Yes	Yes	Bachelor's degree	-	No	No	No
25-3099 25-4011	Teachers and Instructors, All Other Archivists	38,282 26,065	58,912 41,738	61,514 49,840	Yes No	Yes No	Yes No	Bachelor's degree Master's degree		No No	No No	No No
25-4011	Curators	27,964	50,186	62,762	No	Yes	Yes	Master's degree Master's degree	1 1	No	No	No
25-4012	Museum Technicians and Conservators	26,535	41.880	49.929	No	No.	No.	Bachelor's degree	1 1	No	No	No No
25-4022	Librarians and Media Collections Specialists	40,515	55.586	61,438	Yes	Yes	Yes	Master's degree	1 1	No	No	No
25-4031	Library Technicians	25,455	28.043	28.245	No.	No	No	Associate's degree		No	No	No
25-9021	Farm and Home Management Educators	23,295	42.537	58.261	No	No	Yes	Master's degree		No	No	No
25-9031	Instructional Coordinators	35,006	50,572	60,366	Yes	Yes	Yes	Master's degree		No	No	No
25-9044	Teaching Assistants, Postsecondary	18,805	29,216	36,351	No	No	No	Bachelor's degree		No	No	No
25-9045	Teaching Assistants, Except Postsecondary	21,991	30,311	30,889	No	No	No	Some college, no degree		No	No	No
25-9099	Educational Instruction and Library Workers, All Other	21,583	42,980	56,221	No	No	Yes	Bachelor's degree		No	No	No
27-1011	Art Directors	44,081	78,781	88,809	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
27-1012	Craft Artists	18,868	30,467	35,135	No	No	No	Some college, no degree		No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	24,397	41,933	42,252	No	No	No	Bachelor's degree		No	No	No
27-1014	Special Effects Artists and Animators	41,081	58,813	67,501	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1019	Artists and Related Workers, All Other	23,491	45,217	52,583	No	No	No	Some college, no degree		No	Yes	Yes
27-1021	Commercial and Industrial Designers	20,225	52,343	66,578	No	Yes	Yes	Bachelor's degree		No	No	No
27-1022	Fashion Designers	33,218	59,984	70,536	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1023 27-1024	Floral Designers	22,247	30,601	32,995 57.268	No No	No	No	High school diploma or equivalent	\perp	No	No	No
27-1024	Graphic Designers Interior Designers	30,254 30,973	50,470 56,132	66,489		Yes	Yes Yes	Bachelor's degree	-	No	No No	No No
27-1025	Merchandise Displayers and Window Trimmers	26,000	32,798	35,627	Yes	No Yes	Yes No	Bachelor's degree	1	No		No No
27-1020	Set and Exhibit Designers	32,384	40,939	42,386	No Yes	No	No No	Some college, no degree Bachelor's degree		No No	No No	No No
27-1027	Designers, All Other	25.843	54.340	66,942	No	Yes	Yes	Bachelor's degree		No	No	No
27-2011	Actors	26,731	30,485	28,479	No	No	No	Some college, no degree		Yes	No	No
27-2012	Producers and Directors	37.044	57,800	64,160	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-2021	Athletes and Sports Competitors	22,533	57,490	57,171	No	Yes	Yes	Some college, no degree		No	Yes	Yes
27-2022	Coaches and Scouts	31,277	79,797	69,699	Yes	Yes	Yes	Bachelor's degree		No	Yes	No
27-2023	Umpires, Referees, and Other Sports Officials	18,832	41,108	41,321	No	No	No	Some college, no degree		No	No	No
27-2031	Dancers	26,731	30,485	28,479	No	No	No	High school diploma or equivalent		No	No	No
27-2032	Choreographers											
27-2041	Music Directors and Composers	28,177	62,265	73,926	No	Yes	Yes	Bachelor's degree		No	No	No
27-2042	Musicians and Singers	26,731	30,485	28,479	No	No	No	Some college, no degree		Yes	No	No
27-2091	Disc Jockeys, Except Radio	19,702	53,869	53,346	No	Yes	No	Bachelor's degree		No	No	No
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	19,702	53,869	53,346	No	Yes	No	Some college, no degree		No	Yes	Yes
27-3011	Broadcast Announcers and Radio Disc Jockeys	19,702	53,869	53,346	No	Yes	No	Bachelor's degree	1 1	No	No	No
27-3023	News Analysts, Reporters, and Journalists	32,171	64,288	76,704	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-3031	Public Relations Specialists	34,826	56,925	67,649	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-3041	Editors	32,739	60,614	70,465	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-3042	Technical Writers	44,595	67,670	76,074	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
27-3043 27-3091	Writers and Authors	31,665	55,884	64,732	Yes	Yes	Yes	Bachelor's degree	+	No	No	No
27-3091	Interpreters and Translators Court Reporters and Simultaneous Captioners	28,204 25,107	47,950 46,787	64,705 56,700	No No	Yes	Yes Yes	Bachelor's degree	1 1	No No	No Yes	No Yes
27-3092	Media and Communication Workers, All Other	18.770	46,787	56,700	No No	No No	Yes No	Postsecondary nondegree award Associate's degree	+	No No	Yes No	Yes No
27-4011	Audio and Video Technicians	28.518	32.917	37,411	No No	No.	No No	Associate's degree	1 1	No	No	No No
27-4011	Broadcast Technicians	24,192	56,905	75,186	No No	Yes	Yes	Associate's degree	1 1	No	Yes	Yes
27-4014	Sound Engineering Technicians	23,997	60,135	89,484	No	Yes	Yes	Associate's degree	1 1	No	Yes	Yes
27-4015	Lighting Technicians	26,615	43,735	53,825	No	No	Yes	Associate's degree	1 1	No	No	Yes
27-4021	Photographers	24,388	38,685	46,459	No	No	No	Some college, no degree	1 1	No	No	Yes
27-4031	Camera Operators, Television, Video, and Film	26,979	52,405	57,881	No	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-4032	Film and Video Editors	29,429	49,104	57,686	No	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-4099	Media and Communication Equipment Workers, All Other	24,778	59,718	82,162	No	Yes	Yes	Associate's degree	1 1	No	Yes	Yes
29-1011	Chiropractors	31,976	93,048	124,687	Yes	Yes	Yes	Doctoral or professional degree	1 1	No	No	No
29-1021	Dentists, General	58,154	167,936	212,756	Yes	Yes	Yes	Doctoral or professional degree	1 1	No	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	46,619	201,731	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*
29-1023	Orthodontists	62,487	151,695	188,942	Yes	Yes	Yes	Doctoral or professional degree	1 1	Yes	Yes	Yes
29-1024	Prosthodontists								l i			
29-1029	Dentists, All Other Specialists	46,619	201,731	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*
	-				•							

	Vages - Workforce Re May 2022	egion 19	A	/ (¢) h O	d	14/ 844	F d- All /	O	1		14/ 844-	F d- Fd4	
Secondary Property	nay 2022									F			
Second	Occupational Code	Occupational Title							Educational Requirement				Threshold
Second										П			
Name				,									
Mile			,	-,									
State				,	,								
	29-1071		.,	,	-,				· ·				
Proceedings	29-1122				, .								
1925 1925	29-1123	Physical Therapists	73,628	92,967	98,916	Yes	Yes	Yes			Yes	No	No
Security Propries													
Second Company Seco		·							· ·				
Secret Secretary 19,000				,	,								
	29-1128												
March Marc	29-1129												
Second communication	29-1131	Veterinarians	75,213	109,049	126,361	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	No
March Scholmer	29-1141	.0											
March Academies	29-1151												
19-10-11 Audiologists													
Manuscription Manuscriptio									· ·				
Section Sect	29-1211				*								
Section Proceedings	29-1212				*								
Part Medicin Physicis	29-1213			275,737	*			Yes*			Yes		Yes*
19-20-20-20-20-20-20-20-20-20-20-20-20-20-	29-1214	Emergency Medicine Physicians	182,783	307,863	*	Yes	Yes	Yes*	Doctoral or professional degree		Yes	Yes	Yes*
Process Proc	29-1215			,	217,957								
Section Continues and princetings													
Pediatricus, General 20,987 27,447 21,422 Ve	-				*								
Products Ferbalogies					211.422								
Productions	29-1222				*								
Production Pro	29-1223		47,515	199,006	*	Yes	Yes	Yes*			No	Yes	Yes*
Special Communication Special Computer Special Except Prediction Special Computer Special Region Spe	29-1224		,		*								
19-144 Offspeek Curpone, Keept Pedatric 19-144 Ven			,		*								
99-1249 Specimes 9-1249 Specimes 9-124			,	,									
19-1396 Suggeon, All Other	-		57,080	284,372		res	res	res:	Doctoral or professional degree	\vdash	NO	res	res
Page Page Approximation Page			57.686	284.372	*	Yes	Yes	Yes*	Doctoral or professional degree	-	No	Yes	Yes*
19-239-239-239-239-239-239-239-239-239-23	29-1291	Acupuncturists			48,447	No	No	No			No	No	No
19-2010 Clinical Laboratory Technologists and Technolisms 25,588 49,188 60,232 No Ves Ves Associativ's Gegree No Ves Ves P3-2032 Diagnostic Mindrolis Georgeaphers 5,364 65,770 72,504 Ves Ves Ves Associativ's Gegree Ves Ves Ves	29-1292		56,160	71,219		Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
29-2013 Cardiovasculir ferhologists and Technicians 26,935 44,953 67,956 70 72,664 75 75 75 75 75 75 75 7													
29-2023 Disprostic Medical Sonographers 53,564 65,770 72,560 72													
19-2038 Nuclear Mediciner Technologists 58,413 72,648 76,000 Ves													
	29-2032												
19-2055 Magnetic Resonance imaging Technologists 49,20 67,075 72,931 Ves	29-2034												
Emergency Medical Technicians	29-2035					Yes	Yes	Yes			Yes	Yes	Yes
Page	29-2036								Postsecondary nondegree award		Yes		
			,	. ,.	, .								
Parmary Fehncians													
Psychiatrix Technicians 24,630 31,114 34,536 No No No Postsecondary nondegree award Ves Ves Ves No													
Surgical Technologists and T	29-2053												
29.2057 Ophthalmic Medical Technicians 27,122 38,584 46,537 No No No No Postsecondary nondegree award No No Ves 92.0051 Ulensed Practical and Licensed Postcal And Licensed Postca	29-2055												
	29-2056		27,414	34,728	36,871		No	No	Associate's degree		No	No	No
				,									
19-2081 Opticians, Dispensing 30,323 49,349 59,958 No Yes Yes Postsecondary nondegree award Yes Yes Yes Yes			. ,.		, .								
29-2091 Orthotists and Prosthetists 37,842 74,086 86,129 Yes Yes Yes Master/sedgree No Yes													
19-2092 Hearing Aid Specialists 27,689 47,089 59,460 No No Yes Postsecondary nondegree award No Yes Yes	29-2081												
Page Health Technologists and Technologists and Medical Registrars 28,000 37,516 38,886 No No No No Postsecondary nondegree award Yes No													
29-9091 Athletic Trainers 36,627 46,170 56,612 Yes No Yes Bachelor's degree No No No No No No No	29-2099						No		, ,				
29-9092 Genetic Counselors 45,651 78,781 91,392 Yes Yes Yes Yes Master's degree No Yes Y	29-9021	Health Information Technologists and Medical Registrars	30,165	55,733	71,841		Yes		Postsecondary nondegree award				Yes
Surgical Assistants 30,493 54,606 63,747 No Yes Yes Postsecondary nondegree award Yes Yes Yes Yes Postsecondary nondegree award Yes Yes Yes Postsecondary nondegree award Yes Yes Yes Yes Postsecondary nondegree award No Yes Yes Yes Yes Yes Postsecondary nondegree award No Yes Ye	29-9091												
199999 Healthcare Practitioners and Technical Workers, All Other 27,973 58,520 63,694 No Yes Yes Postsecondary nondegree award No Yes Yes No No No No No No No N					,								
Home Health and Personal Care Aides 22,259 26,890 28,934 No No No No High school diploma or equivalent No				. ,									
13-1131													
31-1132	31-1131												
11.133 Pychiatric Aides 23,820 28,878 30,733 No No No High school diploma or equivalent No	31-1132												
31-2012 Occupational Therapy Aides 26,571 49,716 60,632 No Yes Yes Postsecondary nondegree award No Yes Yes No Yes Yes Postsecondary nondegree award No Yes Yes Yes No No No No No No No N	31-1133		23,820	28,878	30,733		No	No			No	No	No
21-2021 Physical Therapist Assistants 37,36 59,529 73,140 Yes Yes Yes Associate's degree Yes	31-2011												
2022 Physical Therapist Aides 20,625 27,920 30,050 No No No Postsecondary nondegree award No No No No No No No N													
31-9011 Massage Therapists 25,737 44,870 48,447 No No No Postsecondary nondegree award No Yes Yes 91-9091 Dental Assistants 30,802 38,921 45,346 Yes No No Postsecondary nondegree award Yes No No No 11-9092 Medical Assistants 29,037 35,152 37,316 No No No Postsecondary nondegree award Yes No N													
31-9091 Dental Assistants 30,802 38,921 45,346 Yes No No Postsecondary nondegree award Yes No No 31-9092 Medical Assistants 29,037 35,152 37,316 No	31-2022												
81-992 Medical Assistants 29,037 35,152 37,316 No No No Postsecondary nondegree award No No No 91-993 Medical Equipment Preparers 25,905 33,946 38,676 No No No High school diploma or equivalent No No No	31-9091												
31-993 Medical Equipment Preparers 25,905 33,946 38,676 No No No High school diploma or equivalent No No No	31-9092												
11-9094 Medical Transcriptionists 27,854 43,577 51,003 No No No Postsecondary nondegree award No Yes Yes	31-9093			33,946	38,676	No	No	No			No	No	
	31-9094	Medical Transcriptionists	27,854	43,577	51,003	No	No	No	Postsecondary nondegree award		No	Yes	Yes

May 2022	egion 19	Annual W	/ages (\$) by Occupat	ion I		Wage Meet	or Exceeds All Oc	cupation Metric		$\overline{}$	Wage Meets	or Exceeds Educati	onal Level Metric
, 2022			Average Annual	High-Level Wage	—	Representative	Average Annua			'	Representative	Average Annual	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)		Starting Wage	Wage	Threshold	Educational Requirement	'	Starting Wage	Wage	Threshold
										\vdash			
31-9095	Pharmacy Aides	20,980	30,218	35,401		No	No	No	High school diploma or equivalent	'	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	26,763	31,571	35,530		No	No	No	High school diploma or equivalent	ļ ,	No	No	No
31-9097	Phlebotomists	27,947	36,349	39,004		No	No	No	Postsecondary nondegree award	ļ ,	No	No	No
31-9099	Healthcare Support Workers, All Other	30,392	43,497	48,438	1	No	No	No	High school diploma or equivalent		Yes	Yes	No
33-1011	First-Line Supervisors of Correctional Officers	42,099	47,284	49,587		Yes	Yes	No	Some college, no degree		Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	53,322	72,584	83,634	,	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	45,115	60,994	78,333	,	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
33-1091	First-Line Supervisors of Security Workers	36,105	44,505	45,700		Yes	No	No	Bachelor's degree	'	No	No	No
33-1099	First-Line Supervisors of Protective Service Workers, All Other	34,105	52,733	60,428		Yes	Yes	Yes	Some college, no degree	ļ ,	Yes	Yes	Yes
33-2011	Firefighters	28,539	40,210	48,018	1	No	No	No	Postsecondary nondegree award	ļ ,	No	No	Yes
33-2021	Fire Inspectors and Investigators	36,040	55,946	68,424	,	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	49,397	81,230	91,702	,	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
33-3011	Bailiffs	37,746	38,457	37,747		Yes	No	No	High school diploma or equivalent	,	Yes	No	No
33-3012	Correctional Officers and Jailers	37,644	39,851	39,957		Yes	No	No	High school diploma or equivalent	'	Yes	No	No
33-3021	Detectives and Criminal Investigators	35,805	48,166	55,357		Yes	Yes	Yes	Some college, no degree	ļ ,	Yes	Yes	Yes
33-3031	Fish and Game Wardens	23,997	26,021	26,171	1	No	No	No	Bachelor's degree	ļ ,	No	No	No
33-3041	Parking Enforcement Workers	28,177	36,147	37,620	1	No	No	No	High school diploma or equivalent	ļ ,	No	No	No
33-3051	Police and Sheriff's Patrol Officers	37,148	49,292	55,412		Yes	Yes	Yes	Associate's degree	ļ ,	Yes	Yes	Yes
33-3052	Transit and Railroad Police	53,000	65,850	54,047		Yes	Yes	Yes	Associate's degree	ļ ,	Yes	Yes	Yes
33-9011	Animal Control Workers	32,165	34,905	36,400		Yes	No	No	Postsecondary nondegree award	1	Yes	No	No
33-9021	Private Detectives and Investigators	33,280	48,073	47,965		Yes	Yes	No	Bachelor's degree	Г,	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	25,178	31,621	34,274		No	No	No	High school diploma or equivalent		No	No	No
33-9032	Security Guards	22,763	28,384	31,006		No	No	No	High school diploma or equivalent		No	No	No
33-9091	Crossing Guards and Flaggers	24,693	31,964	34,011	1	No	No	No	No formal educational credential	Г,	Yes	Yes	Yes
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	22,823	29,671	37,265		No	No	No	No formal educational credential		No	No	Yes
33-9093	Transportation Security Screeners	31,310	38,924	42,510		Yes	No	No	High school diploma or equivalent	Г,	Yes	No	No
33-9094	School Bus Monitors	23,456	29,723	36,562		No	No	No	High school diploma or equivalent	1	No	No	No
33-9099	Protective Service Workers, All Other	27,040	40,902	44,603		No	No	No	High school diploma or equivalent	1	No	No	No
35-1011	Chefs and Head Cooks	34,293	53,739	59,324		Yes	Yes	Yes	Associate's degree	1	Yes	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	27,462	38,250	45,264		No	No	No	High school diploma or equivalent	1	No	No	No
35-2011	Cooks, Fast Food	19,515	23,536	25,621		No	No	No	No formal educational credential	1	No	No	No
35-2012	Cooks, Institution and Cafeteria	23,119	30,926	33,654		No	No	No	No formal educational credential	1	Yes	Yes	Yes
35-2013	Cooks, Private Household	28,710	52,236	64,368		No	Yes	Yes	Postsecondary nondegree award	1	No	Yes	Yes
35-2014	Cooks, Restaurant	24,021	31,389	35,488	1	No	No	No	High school diploma or equivalent	1	No	No	No
35-2015	Cooks, Short Order	21,887	28,198	29,833		No	No	No	No formal educational credential	1	No	No	No
35-2019	Cooks, All Other	21,772	26,306	27,718		No	No	No	No formal educational credential	1	No	No	No
35-2021	Food Preparation Workers	22,022	28,195	32,788		No	No	No	No formal educational credential	1	No	No	No
35-3011	Bartenders	20,800	31,528	35,271		No	No	No	No formal educational credential	1	No	Yes	Yes
35-3023	Fast Food and Counter Workers	21,327	24,755	27,011		No	No	No	No formal educational credential	1	No	No	No
35-3031	Waiters and Waitresses	20,800	29,807	32,901		No	No	No	No formal educational credential	1 7	No	No	No
35-3041	Food Servers, Nonrestaurant	20,882	26,223	28,459		No	No	No	No formal educational credential	1 7	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	20.800	26,127	28,960		No	No	No	No formal educational credential	1 7	No	No	No
35-9021	Dishwashers	20,821	25,160	27,521	1	No	No	No	No formal educational credential	1	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	20,800	26,550	28,113	1	No	No	No	No formal educational credential	1	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	19,693	25,062	25,639	1	No	No	No	No formal educational credential	1	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	26,362	42,592	53,960	1	No	No	Yes	High school diploma or equivalent	1	No	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	33,143	47,010	55,738		Yes	No	Yes	Some college, no degree	1	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	22,821	29,243	31,853	1	No	No	No	High school diploma or equivalent	1	No	No	No
37-2012	Maids and Housekeeping Cleaners	21,211	26,332	28,244	1	No	No	No	No formal educational credential	1	No	No	No
37-2019	Building Cleaning Workers, All Other	21,690	26,997	29,464	1	No	No	No	No formal educational credential	1	No	No	No
37-2021	Pest Control Workers	29,385	40,611	46,468	1	No	No	No	High school diploma or equivalent	1	Yes	No	No
37-3011	Landscaping and Groundskeeping Workers	26,645	31,815	35,527		No	No	No	No formal educational credential	1 7	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	21,788	35,810	38,903		No	No	No	High school diploma or equivalent	1 7	No	No	No
37-3013	Tree Trimmers and Pruners	25,940	39,340	47,414		No	No	No	High school diploma or equivalent	1 7	No	No	No
37-3019	Grounds Maintenance Workers, All Other	.,. ,	,	, 1						1		-	
39-1013	First-Line Supervisors of Gambling Services Workers	29,287	51,234	62,877		No	Yes	Yes	Some college, no degree	1	Yes	Yes	Yes
	First-Line Supervisors of Entertainment and Recreation Workers, Except	,	,	,		-				1	1		
39-1014	Gambling Services	34.828	50.263	60.679		Yes	Yes	Yes	Some college, no degree	'	Yes	Yes	Yes
39-1022	First-Line Supervisors of Personal Service Workers	28,752	38,549	42,004		No	No	No	Some college, no degree	-	Yes	No	No
39-2011	Animal Trainers	24.006	33.058	34,966		No	No	No	High school diploma or equivalent	-	No	No	No
39-2021	Animal Caretakers	21,680	29,145	29,896		No	No	No	High school diploma or equivalent	1	No	No	No
39-3011	Gambling Dealers	19.054	31,239	42.190		No	No	No	High school diploma or equivalent	1	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	19,018	25.382	27.307		No	No	No	High school diploma or equivalent	1	No	No	No
39-3019	Gambling Service Workers, All Other	18,459	28,745	33,422		No	No	No	High school diploma or equivalent	1	No	No	No
39-3021	Motion Picture Projectionists	10,733	20,7-13	55,422					C	+	t -		
39-3031	Ushers, Lobby Attendants, and Ticket Takers	19.027	23.385	25,178		No	No	No	No formal educational credential	+	No	No	No
39-3091	Amusement and Recreation Attendants	20,800	26,618	28,256		No	No	No	No formal educational credential	+	No	No	No
39-3092	Costume Attendants	22,950	36,866	42,900		No	No	No	High school diploma or equivalent	+	No	No	No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	20,110	26.881	29.393		No	No	No	High school diploma or equivalent	+	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	20,669	25,728	25,772		No	No	No	High school diploma or equivalent	+	No	No	No
39-4011	Embalmers	28,994	41.436	46.424		No	No	No	Associate's degree	1	No	No	No
39-4012	Crematory Operators	27,583	35,153	42,013		No	No	No	High school diploma or equivalent	1	No	No	No
39-4012	Funeral Attendants	27,363	29.492	29.353		No	No	No	High school diploma or equivalent	1	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	35,575	58,438	64,327			Yes			+-	ł		Yes
39-4031	Barbers	19,382	29,979	33,094		Yes No		Yes No	Associate's degree	+'	Yes	Yes	
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,382	30,515	33,639		No	No No	No No	Postsecondary nondegree award	+'	No No	No No	No No
39-5012	Makeup Artists, Theatrical and Performance	20,800	30,515	33,039		INU	INU	IVO	Postsecondary nondegree award		INU	NO	NO
	Manicurists and Pedicurists Manicurists and Pedicurists	23.245	31,286	32,961	— L	No	No	N-	I Douboured on the control of the co	₩'		N-	N-
39-5092			31 286	32 961		NO	NO	No	Postsecondary nondegree award		No	No	No

	Region 19		. W									
May 2022			ages (\$) by Occupat Average Annual	ion High-Level Wage	Representative	Average Annu	Occupation Metric Ital High-Level Wage		R	epresentative	or Exceeds Educati Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		tarting Wage	Wage	Threshold
	<u> </u>					-					-	
39-5093	Shampooers	18,459	21,779	23,500	No	No	No	High school diploma or equivalent	N		No	No
39-5094	Skincare Specialists	23,285	38,483	41,895	No	No	No	Postsecondary nondegree award	N		No	No
39-6011	Baggage Porters and Bellhops	19,187	26,331	30,573	No	No	No	High school diploma or equivalent	N		No	No
39-6012	Concierges	23,956	28,714	30,685	No	No	No	High school diploma or equivalent		lo	No	No
39-7010 39-9011	Tour and Travel Guides Childcare Workers	20,234	32,295 27.347	35,525 29.176	No No	No	No No	High school diploma or equivalent	N		No	No No
39-9011	Exercise Trainers and Group Fitness Instructors	21,579 23,878	38,487	48,522	No No	No No	No No	High school diploma or equivalent	N N		No No	No Yes
39-9032	Recreation Workers	23,878	30,765	48,522 35.876	No	No	No	Postsecondary nondegree award Bachelor's degree	N N		No	No Yes
39-9041	Residential Advisors	23,039	32,757	36,954	No	No	No	Some college, no degree	N		No	No
39-9099	Personal Care and Service Workers, All Other	18,459	27,316	28,994	No.	No	No	High school diploma or equivalent	N		No	No
41-1011	First-Line Supervisors of Retail Sales Workers	28,889	47,215	53,242	No	Yes	No	Some college, no degree		es	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	42,417	81,689	90.906	Yes	Yes	Yes	Some college, no degree		es	Yes	Yes
41-2011	Cashiers	21,418	25,668	27,614	No	No	No	No formal educational credential	N		No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,841	29,535	30,600	No	No	No	No formal educational credential	N	lo	No	No
41-2021	Counter and Rental Clerks	23,657	34,541	37,889	No	No	No	No formal educational credential	Y	es	Yes	Yes
41-2022	Parts Salespersons	22,655	33,270	37,259	No	No	No	High school diploma or equivalent	N	lo	No	No
41-2031	Retail Salespersons	21,687	31,623	31,441	No	No	No	High school diploma or equivalent		lo	No	No
41-3011	Advertising Sales Agents	28,754	58,183	63,827	No	Yes	Yes	Some college, no degree		es	Yes	Yes
41-3021	Insurance Sales Agents	30,174	55,975	61,042	No	Yes	Yes	Postsecondary nondegree award		es	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	36,730	72,327	73,691	Yes	Yes	Yes	Bachelor's degree	N		No	No
41-3041	Travel Agents	21,947	38,774	44,480	No	No	No	Some college, no degree	N	Io	No	No
44 2004	Sales Representatives of Services, Except Advertising, Insurance, Financial	24.424	52.205	70.0	.,				1 1			
41-3091	Services, and Travel	31,124	63,283	72,052	Yes	Yes	Yes	Bachelor's degree	N	10	No	No
41 4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific	24.057	62.462	00.555	V	V	V	Deskalada dansa			V	V
41-4011	Products Sales Representatives, Wholesale and Manufacturing, Except Technical and	31,867	82,463	98,563	Yes	Yes	Yes	Bachelor's degree	N	10	Yes	Yes
41-4012	Sales Representatives, wholesale and Manufacturing, Except Technical and Scientific Products	29.298	75.917	103.189	No	Yes	Yes	Some callege, no degree		es	Yes	Yes
41-9011		.,	43,566	69,356	No	No		Some college, no degree	N			
41-9011	Demonstrators and Product Promoters Models	18,797	43,500	09,350	NO	NO	Yes	No formal educational credential	IN	10	Yes	Yes
41-9012	Real Estate Brokers	25,364	50,213	56,301	No	Yes	Yes	Postsocondany nondograe award	N	lo.	Yes	Yes
41-9022	Real Estate Sales Agents	25,364	50,213	56,301	No No	Yes	Yes	Postsecondary nondegree award	N N		Yes	Yes
41-9031	Sales Engineers	43.291	109.576	142.634	Yes	Yes	Yes	Postsecondary nondegree award Bachelor's degree		es	Yes	Yes
41-9041	Telemarketers	19.063	27.813	29.180	No	No	No.	High school diploma or equivalent	N		No	No.
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	19,134	31,487	44.303	No	No	No	High school diploma or equivalent	N		No	No
41-9099	Sales and Related Workers, All Other	20,800	34,945	35,706	No	No	No	Some college, no degree	N N		No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	34,656	58,414	66,489	Yes	Yes	Yes	Some college, no degree		es	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	22,336	27,856	30,103	No	No	No	High school diploma or equivalent	N		No	No
43-2021	Telephone Operators	==,===	,									
43-2099	Communications Equipment Operators, All Other											
43-3011	Bill and Account Collectors	31,200	42,794	49,737	Yes	No	No	High school diploma or equivalent	Y	es	Yes	Yes
43-3021	Billing and Posting Clerks	29,365	38,408	43,163	No	No	No	High school diploma or equivalent	Y	es	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	28,112	42,127	48,208	No	No	No	Some college, no degree		es	Yes	Yes
43-3041	Gambling Cage Workers	19,693	28,443	33,839	No	No	No	High school diploma or equivalent	N	lo	No	No
43-3051	Payroll and Timekeeping Clerks	29,054	41,681	47,104	No	No	No	Some college, no degree	Y	es	Yes	Yes
43-3061	Procurement Clerks	30,969	37,980	44,720	Yes	No	No	Associate's degree	N		No	No
43-3071	Tellers	28,528	36,424	42,922	No	No	No	High school diploma or equivalent	N	lo	No	No
43-3099	Financial Clerks, All Other	31,842	48,278	54,074	Yes	Yes	Yes	Some college, no degree		es	Yes	Yes
43-4011	Brokerage Clerks	33,067	49,228	53,426	Yes	Yes	No	Some college, no degree	Y	es	Yes	Yes
43-4021	Correspondence Clerks											
43-4031	Court, Municipal, and License Clerks	30,495	39,413	45,106	No	No	No	Some college, no degree		es	No	No
43-4041	Credit Authorizers, Checkers, and Clerks	25,621	38,765	45,181	No	No	No	Some college, no degree	N		No	No
43-4051	Customer Service Representatives	25,663	36,751	43,241	No	No	No	High school diploma or equivalent	N		No	No
43-4061 43-4071	Eligibility Interviewers, Government Programs File Clerks	23,997 20,800	34,310 29.445	42,457 33,408	No No	No No	No No	High school diploma or equivalent	N	lo lo	No No	No No
43-40/1	Hotel, Motel, and Resort Desk Clerks	20,800	29,445	33,408	No	No No	No No	High school diploma or equivalent High school diploma or equivalent		lo	No No	No No
43-4081	Interviewers, Except Eligibility and Loan	22,582	28,910 37,629	33,478 42.787	No No	No	No No		Y		No No	No No
43-4111	Library Assistants, Clerical	29,231	25,600	24,534	No	No No	No No	High school diploma or equivalent Some college, no degree	N		No No	No No
43-4131	Loan Interviewers and Clerks	27,474	41,997	51,495	No.	No	No	High school diploma or equivalent	N N		No	Yes
43-4141	New Accounts Clerks	32,180	38,543	41,747	Yes	No	No	High school diploma or equivalent		es	No	No
43-4151	Order Clerks	26,244	38,954	50,855	No	No	No	High school diploma or equivalent		lo	No	Yes
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	30,962	39,720	47.840	Yes	No	No	Associate's degree	N		No	No
43-4171	Receptionists and Information Clerks	22,309	30,272	33,908	No	No	No	High school diploma or equivalent	N		No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	25,976	37,487	43,025	No	No	No	High school diploma or equivalent	N		No	No
43-4199	Information and Record Clerks, All Other	26,520	39,567	44,803	No	No	No	High school diploma or equivalent	N	lo	No	No
43-5011	Cargo and Freight Agents	28,088	44,728	53,861	No	No	Yes	High school diploma or equivalent	N	lo	Yes	Yes
43-5021	Couriers and Messengers	22,872	30,949	34,840	No	No	No	High school diploma or equivalent	N	lo	No	No
43-5031	Public Safety Telecommunicators	30,237	37,072	40,292	No	No	No	High school diploma or equivalent	Y	es	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	28,441	45,474	54,440	No	No	Yes	High school diploma or equivalent	N		Yes	Yes
43-5041	Meter Readers, Utilities	23,781	36,716	41,288	No	No	No	High school diploma or equivalent	N		No	No
43-5051	Postal Service Clerks	39,770	55,292	68,307	Yes	Yes	Yes	High school diploma or equivalent	Y		Yes	Yes
43-5052	Postal Service Mail Carriers	39,645	53,858	70,179	Yes	Yes	Yes	High school diploma or equivalent		es	Yes	Yes
	Postal Service Mail Sorters, Processors, and Processing Machine Operators	34,239	46,290	59,602	Yes	No	Yes	High school diploma or equivalent		es	Yes	Yes
43-5053		28.080	41,945	49,678	No	No	No	Some college, no degree	Y	es	Yes	Yes
43-5053 43-5061	Production, Planning, and Expediting Clerks	.,										
43-5053 43-5061 43-5071	Shipping, Receiving, and Inventory Clerks	27,040	37,620	45,760	No	No	No	High school diploma or equivalent	N	lo	No	No
43-5053 43-5061 43-5071 43-5111	Shipping, Receiving, and Inventory Clerks Weighers, Measurers, Checkers, and Samplers, Recordkeeping	27,040 32,822	42,192	46,654	Yes	No	No	High school diploma or equivalent	Y	es	No	No
43-5053 43-5061 43-5071 43-5111 43-6011	Shipping, Receiving, and Inventory Clerks Weighers, Measurers, Checkers, and Samplers, Recordkeeping Executive Secretaries and Executive Administrative Assistants	27,040 32,822 31,054	42,192 49,322	46,654 61,744	Yes Yes	No Yes	No Yes	High school diploma or equivalent Some college, no degree	Y	es es	No Yes	No Yes
43-5053 43-5061 43-5071 43-5111	Shipping, Receiving, and Inventory Clerks Weighers, Measurers, Checkers, and Samplers, Recordkeeping	27,040 32,822	42,192	46,654	Yes	No	No	High school diploma or equivalent	Yı Yı	es	No	No

Wages - Workforce Re May 2022	egion 19	Annual M	/ages (\$) by Occupat	ion I	Wage	Neets or Exceeds All C	Occupation Metric	T	Wago Moo	ts or Exceeds Educa	tional Level Metric
way 2022			Average Annual	High-Level Wage	Representat				Representative	Average Annu	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wag		Threshold	Educational Requirement	Starting Wage	Wage	Threshold
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	24,677	35,192	38,590	No	No	No	High school diploma or equivalent	No	No	No
43-9021 43-9022	Data Entry Keyers	26,890 21.086	33,190 29.872	36,484 32,987	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
43-9022	Word Processors and Typists Desktop Publishers	22,817	44.409	53,665	No No	No	Yes	High school diploma or equivalent Associate's degree	No No	No No	Yes
43-9041	Insurance Claims and Policy Processing Clerks	29.120	41,230	47.633	No	No	No	High school diploma or equivalent	Yes	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	21,326	30,698	34,336	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	24,159	40,070	46,459	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	19,844	29,872	33,884	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	25,027	30,937	32,402	No	No	No	Bachelor's degree	No	No	No
43-9111 43-9199	Statistical Assistants Office and Administrative Support Workers, All Other	31,470 23.775	40,806 36.058	45,234 41.019	Yes No	No No	No No	Bachelor's degree	No No	No No	No No
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	30,904	56,901	74,752	Yes	Yes	Yes	Some college, no degree High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	29,120	40,489	53,685	No	No	Yes	Bachelor's degree	No	No	No
45-2021	Animal Breeders	24,006	33,058	34,966	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	19,808	23,349	24,290	No	No	No	No formal educational credential	No	No	No
45-2091	Agricultural Equipment Operators	23,287	32,268	34,318	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092 45-2093	Farmworkers and Laborers, Crop, Nursery, and Greenhouse Farmworkers, Farm, Ranch, and Aquacultural Animals	21,843 23,758	28,052 31.913	30,227 38.197	No No	No	No No	No formal educational credential	No	No	No
45-2093 45-2099	Agricultural Workers, All Other	23,758	43,291	38,197 51,170	No No	No No	No No	No formal educational credential No formal educational credential	Yes Yes	Yes	Yes Yes
45-3031	Fishing and Hunting Workers	23,758	31,913	38.197	No.	No	No	No formal educational credential	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	29,047	37,504	44,249	No	No	No	Postsecondary nondegree award	No	No	No
45-4021	Fallers	34,744	41,276	46,681	Yes	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	25,355	36,457	43,104	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers										
45-4029 47-1011	Logging Workers, All Other First-Line Supervisors of Construction Trades and Extraction Workers	36,928 42,766	40,016 66.168	41,427	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-1011	Boilermakers	18,459	41,578	76,786 50,586	Yes No	Yes No	Yes No	Some college, no degree High school diploma or equivalent	Yes No	Yes No	Yes Yes
47-2011	Brickmasons and Blockmasons	28,132	39,419	49,181	No	No	No	High school diploma or equivalent	No	No	No
47-2022	Stonemasons	25,870	41,250	51,216	No	No	No	High school diploma or equivalent	No	No	Yes
47-2031	Carpenters	31,008	46,840	52,010	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	18,459	30,165	33,067	No	No	No	No formal educational credential	No	No	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	29,961	40,256	45,403	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	21,557	34,922	43,495	No	No	No	No formal educational credential	No	Yes	Yes
47-2044 47-2051	Tile and Stone Setters Cement Masons and Concrete Finishers	26,901 32,955	44,627 41.904	47,172 48,358	No Yes	No No	No No	No formal educational credential No formal educational credential	Yes Yes	Yes	Yes Yes
47-2053	Terrazzo Workers and Finishers	31.177	46.095	51.278	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	27,794	38,816	45,599	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	27,228	35,863	39,768	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators	30,733	42,918	44,205	No	No	No	High school diploma or equivalent	Yes	Yes	No
47-2073	Operating Engineers and Other Construction Equipment Operators	30,308	42,024	46,470	No	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	22,598	37,125	47,798	No	No	No	No formal educational credential	No	Yes	Yes
47-2082 47-2111	Tapers Electricians	25,382 34,830	37,247 48,714	41,809 55,550	No Yes	No Yes	No Yes	No formal educational credential Postsecondary nondegree award	Yes Yes	Yes	Yes Yes
47-2111	Glaziers	32,404	38,902	39,434	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	25,985	38,596	42,883	No	No	No	High school diploma or equivalent	No	No	No
47-2132	Insulation Workers, Mechanical	32,313	43,513	45,288	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2141	Painters, Construction and Maintenance	29,096	38,199	40,799	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	26,313	32,819	39,519	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2151 47-2152	Pipelayers Plumbers, Pipefitters, and Steamfitters	29,162 30,730	37,655 45,112	41,179 50,669	No No	No No	No No	No formal educational credential	Yes	Yes	Yes Yes
47-2152	Plasterers and Stucco Masons	26.215	39.683	48.340	No No	No No	No No	Postsecondary nondegree award No formal educational credential	Yes Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	31.283	41.649	48,891	Yes	No	No	High school diploma or equivalent	Yes	No	No.
47-2181	Roofers	22,435	42,237	48,609	No	No	No	No formal educational credential	No	Yes	Yes
47-2211	Sheet Metal Workers	37,304	50,486	51,461	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-2221	Structural Iron and Steel Workers	29,120	34,261	35,360	No	No	No	High school diploma or equivalent	Yes	No	No
47-2231	Solar Photovoltaic Installers	31,532	38,578	41,542	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-3011	HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	18,459	30,458	33,866	No	No	No	No formal educational credential	No	Yes	Yes
47-3012 47-3013	HelpersCarpenters HelpersElectricians	23,855 23,722	30,689 30,982	33,875 33,049	No No	No No	No No	No formal educational credential High school diploma or equivalent	Yes No	Yes No	Yes No
47-3013	HelpersPainters, Paperhangers, Plasterers, and Stucco Masons	23,660	27.911	29,224	No	No	No	No formal educational credential	Yes	No	No.
47-3015	HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters	28,609	33,526	36,996	No	No	No	High school diploma or equivalent	No	No	No
47-3016	HelpersRoofers	26,518	32,171	34,194	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	24,814	32,836	36,271	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	36,233	57,018	73,469	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	43,300	75,089	91,427	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031 47-4041	Fence Erectors Hazardous Materials Removal Workers	25,834 27,068	35,588 35.854	41,294 41.072	No No	No No	No No	No formal educational credential	Yes No	Yes No	Yes No
47-4041	Highway Maintenance Workers	25,876	34,356	37,544	No	No	No	High school diploma or equivalent High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	39,998	48,669	55,254	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	27,130	42,297	49,272	No	No	No	High school diploma or equivalent	No	No	Yes
47-4090	Miscellaneous Construction and Related Workers	28,195	38,232	41,844	No	No	No	High school diploma or equivalent	No	No	No
47-5011	Derrick Operators, Oil and Gas								1		
47-5012	Rotary Drill Operators, Oil and Gas	36,333	47,915	50,071	Yes	Yes	No	No formal educational credential	Yes	Yes	Yes
47-5013 47-5022	Service Unit Operators, Oil and Gas Excavating and Loading Machine and Dragline Operators, Surface Mining	33,129 29,402	48,190 40,664	55,414 46,175	Yes No	Yes No	Yes No	No formal educational credential	Yes	Yes	Yes
47-JUZZ			43,850	45,175 45,580	Yes	No No	No No	High school diploma or equivalent High school diploma or equivalent	Yes Yes	No Yes	No No
47-5023	Earth Drillers, Except Oil and Gas										
47-5023 47-5032	Earth Drillers, Except Oil and Gas Explosives Workers, Ordnance Handling Experts, and Blasters	30,928 47,178	62,895	72,489	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes

Wages - Workforce Re May 2022	· · ·	Annual W	Vages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All O	ccupation Metric		Wage Meet	s or Exceeds Educa	ional Level Metric
,			Average Annual	High-Level Wage	Representative	Average Annua			Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
									Į Į		
47-5043	Roof Bolters, Mining										
47-5044 47-5049	Loading and Moving Machine Operators, Underground Mining	31,816	36,022	39,945	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5049 47-5051	Underground Mining Machine Operators, All Other	32.748	59.407	79.242	Voc	Yes	Yes	No formal educational credential	Voc	Yes	Yes
47-5051	Rock Splitters, Quarry Roustabouts, Oil and Gas	32,748	43.903	79,242 54.260	Yes No	No No	Yes	No formal educational credential	Yes Yes	Yes	Yes
47-5081	HelpersExtraction Workers	26,083	31,168	34,194	No	No	No	High school diploma or equivalent	No	No	No
47-5099	Extraction Workers, All Other	24,672	39,785	38,889	No	No	No	High school diploma or equivalent	No	No	No
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	38,527	59,896	71,892	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	27,458	36,688	42,110	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	33,884	52,112	63,845	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	34,473	53,090	63,002	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	34,052	60,774	69,649	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	27,325	40,495	45,270	No	No	No	High school diploma or equivalent	No	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	35,570	49,929	56,461	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	34,381	50,639	61,227	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	35,446	67,847	87,797	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	29,473	39,368	43,113	No	No	No	Postsecondary nondegree award	No	No	No
49-2097 49-2098	Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers	33,910 36,431	41,818 48,533	44,870 59,865	Yes	No Yes	No Yes	Postsecondary nondegree award	Yes Yes	Yes	No Yes
49-3011	Aircraft Mechanics and Service Technicians	29.104	48,533 53,933	66,560	Yes No	Yes	Yes	Postsecondary nondegree award	No No	Yes	Yes
49-3021	Automotive Body and Related Repairers	29,667	41,958	46,327	No	No	No	Associate's degree Postsecondary nondegree award	No	Yes	Yes
49-3021	Automotive Glass Installers and Repairers	29,757	41,938	48,642	No	No	No	High school diploma or equivalent	Yes	No	No.
49-3022	Automotive Grass installers and Repairers Automotive Service Technicians and Mechanics	27,862	42,277	48,773	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3023	Bus and Truck Mechanics and Diesel Engine Specialists	35.674	52.848	61.182	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	25,307	46.809	49.240	No	No	No	High school diploma or equivalent	No	Yes	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	31,228	47,246	61,598	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	33,236	47,719	53,062	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	33,792	45,990	52,116	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	26,455	40,824	52,370	No	No	No	High school diploma or equivalent	No	No	Yes
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	23,858	34,914	39,345	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	20,820	32,455	38,765	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	37,143	44,961	50,118	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	21,708	29,313	32,029	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	27,885	48,844	59,974	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	27,984	43,971	53,596	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	35,935	46,961	56,028	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	24,592	37,966	44,072	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	35,360	57,214	63,489	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	29,491	48,048	52,157	No	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
49-9044	Millwrights	30,208	37,514	48,683	No	No	No	Postsecondary nondegree award	Yes	No	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons										
49-9051	Electrical Power-Line Installers and Repairers	40,689	65,887	84,904	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052 49-9061	Telecommunications Line Installers and Repairers	38,881	55,238	62,992	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9062	Camera and Photographic Equipment Repairers Modical Equipment Repairers	30,555	42,025	49,184	No	No	No	Ai-k-1- de	No	No	No
49-9063	Medical Equipment Repairers Musical Instrument Repairers and Tunors	25,320	37,274	45,731	No	No	No	Associate's degree	No	No	No
49-9064	Musical Instrument Repairers and Tuners Watch and Clock Repairers	25,320	37,274	43,731	INU	INU	INU	High school diploma or equivalent	NO	INU	INU
49-9069	Precision Instrument and Equipment Repairers, All Other	36.005	51,216	58.609	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	24,265	38,394	44,910	No.	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	24,203	30,334	44,510	140	140	140	riigii scriooi dipionia oi equivalent	140	140	140
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	24.317	35.809	43.025	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	35,099	47,276	50.639	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	27,512	39,253	48,953	No	No	No	High school diploma or equivalent	No	No	No
49-9095	Manufactured Building and Mobile Home Installers	19,400	27,432	34,709	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	29,544	45,927	53,328	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	41,951	56,212	63,472	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	HelpersInstallation, Maintenance, and Repair Workers	21,853	31,615	37,380	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	27,505	38,008	45,448	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	36,573	63,823	72,987	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	29,349	41,773	49,565	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	29,500	40,398	43,042	No	No	No	High school diploma or equivalent	Yes	No	No
	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders,										
51-2028	Tapers, and Finishers	26,461	28,650	26,461	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	29,881	38,578	42,829	No	No	No	High school diploma or equivalent	Yes	No	No
51-2041	Structural Metal Fabricators and Fitters	27,112	38,667	43,726	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	26,207	33,564	35,987	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters				1			1,01 1 101	1		
51-2090	Miscellaneous Assemblers and Fabricators	26,204	34,327	37,091	No No	No	No No	High school diploma or equivalent	No No	No	No
51-3011	Bakers Butchers and Most Cutters	22,984	30,326	35,301	No No	No	No No	High school diploma or equivalent	No	No	No V
51-3021 51-3022	Butchers and Meat Cutters	24,410	35,439	38,315	No	No	No	No formal educational credential	Yes	Yes	Yes
	Meat, Poultry, and Fish Cutters and Trimmers	22,187	30,671	35,738	No	No	No	No formal educational credential	No	Yes	Yes
51-3023 51-3091	Slaughterers and Meat Packers	23,624	24,840 32.881	25,781 32,286	No No	No	No No	No formal educational credential	Yes	No	No
	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders Food Batchmakers	20,208	29,544	32,286		No		No formal educational credential	No No	Yes	No No
E1 2002		20.208	29.544	33./24	No	No	No	High school diploma or equivalent	No	No	No
51-3092					NI-	NI-	NI-	Ottob colored distance as a south of the	N-	NI-	NI-
51-3093	Food Cooking Machine Operators and Tenders	22,284	28,417	31,470	No No	No	No No	High school diploma or equivalent	No Yor	No	No
					No No	No No	No No	High school diploma or equivalent No formal educational credential	No Yes	No Yes	No Yes

Wages - Workforce Ro May 2022	region 13	Annual M	ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All O	ccupation Metric		Wage Me	ets or Exceeds Educa	tional Level Metric
nay 2022			Average Annual	High-Level Wage	Representative	Average Annua			Representative		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	26,935	35,579	40,637	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	27,228	37,212	40,194	No	No	No	High school diploma or equivalent	No	No	No
F4 4004	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and	25.275	24.475	20.427					1 1		
51-4031	Plastic	25,275	34,176	39,137	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	26.766	40.047	74 201	N-	V	V	High calculations are activated	N-	V	V
51-4032	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and	26,766	49,947	74,201	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-4033	Tenders, Metal and Plastic	23,056	30,280	32,260	No	No	No	High school diploma or equivalent	No	No	No
31 4033	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and	23,030	30,200	32,200	IVO	140	140	riigii scriooi dipioina oi equivalent	140	140	NO
51-4034	Plastic	24,796	34,558	42,457	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	27,991	37,425	40.983	No	No	No	Postsecondary nondegree award	No	No	No
51-4041	Machinists	34,570	45,694	48,656	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	34,753	44,311	45,137	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-4052	Pourers and Casters, Metal										
51-4061	Model Makers, Metal and Plastic										
51-4062	Patternmakers, Metal and Plastic										
51-4071	Foundry Mold and Coremakers	20,660	35,685	48,793	No	No	No	High school diploma or equivalent	No	No	No
	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders,										
51-4072	Metal and Plastic	24,423	32,828	35,295	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	27,689	33,786	34,176	No	No	No	High school diploma or equivalent	No	No	No
51-4111 51-4121	Tool and Die Makers	34,736	51,731	58,369	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
	Welders, Cutters, Solderers, and Brazers	33,848	45,773	51,231	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	26,402	33,449	36,377	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	22,151	36,191	42,066	No	No	No	High school diploma or equivalent	No	No	No
51-4192 51-4193	Layout Workers, Metal and Plastic	20.704	25.725	20.05	1			1	1 1		
51-4193 51-4194	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	26,704	35,730	39,821	No	No	No	High school diploma or equivalent	No	No	No
	Tool Grinders, Filers, and Sharpeners	24,441	32,703	34,523	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	25,976	34,673	40,673	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	28,195	40,052	43,770	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	24,254	33,778	36,558	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	24,024	34,709	41,063	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	20,800	24,709	27,040	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	21,157	25,417	26,180	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	21,352	24,765	25,140	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	20,909	29,269	33,041	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	24,024	34,709	41,063	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	19,569	26,447	26,961	No	No	No	No formal educational credential	No	No	No
51-6052	Tailors, Dressmakers, and Custom Sewers	25,382	31,399	33,005	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	20,483	24,530	25,071	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	24,627	29,446	32,313	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders										
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	20,651	29,810	33,884	No	No	No	High sebagi dialages as assistant	No.	N-	No
51-0004		20,651	29,810	33,884	NO	NO	NO	High school diploma or equivalent	No	No	NO
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	29,988	52,245	74,308	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	25,500	32,243	74,506	NO	res	ies	High school diploma or equivalent	res	162	res
51-6093	Upholsterers	24,902	33,742	38,064	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	24,281	30,325	33,821	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	27,950	41.007	48.034	No.	No.	No		No.	No.	No
51-7021	Furniture Finishers	27,299	40,620	47,746	No	No	No	High school diploma or equivalent High school diploma or equivalent	No	No	No
51-7021	Model Makers, Wood	21,233	-10,020	47,740	1	140		₀ scrioor diploma of equivalent	1		
51-7032	Patternmakers, Wood								1 1		
51-7032	Sawing Machine Setters, Operators, and Tenders, Wood	23.216	30.769	33.830	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	23,136	30,556	34,203	No	No	No	High school diploma or equivalent	No No	No	No
51-7099	Woodworkers, All Other	24,441	28,940	29,251	No	No	No	High school diploma or equivalent	No	No	No
51-8011	Nuclear Power Reactor Operators	27,772	20,5-10	23,231	1.0			g sanda diploma of equivalent	1 1		
51-8012	Power Distributors and Dispatchers	49.504	52,517	49,504	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	38.432	79.688	102.922	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	42,812	55,911	60,454	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	30.963	43,728	49,400	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	37,132	55,005	59,549	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-8092	Gas Plant Operators	30,680	46,255	55,928	No.	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
		43.025	55.840	70.359	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers		,	57.615	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
	Petroleum Pump System Operators, Refinery Operators, and Gaugers Plant and System Operators. All Other	35.801	51.393			No	No	High school diploma or equivalent	No	No	Yes
51-8093 51-8099 51-9011	Plant and System Operators, All Other	35,801 26,491	51,393 41.418	50.231	No						
	Plant and System Operators, All Other Chemical Equipment Operators and Tenders	35,801 26,491	51,393 41,418	50,231	No	140			1		
51-8099 51-9011	Plant and System Operators, All Other Chemical Equipment Operators and Tenders Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,	26,491	41,418							No	No
51-8099 51-9011 51-9012	Plant and System Operators, All Other Chemical Equipment Operators and Tenders Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	26,491 25,115	41,418 37,948	44,063	No	No	No	High school diploma or equivalent	No	No No	No No
51-8099 51-9011 51-9012 51-9021	Plant and System Operators, All Other Chemical Equipment Operators and Tenders Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	26,491 25,115 25,018	41,418 37,948 36,848	44,063 41,720	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No No	No	No
51-8099 51-9011 51-9012 51-9021 51-9022	Plant and System Operators, All Other Chemical Equipment Operators and Tenders Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders Crushing, Grinding, and Pollishing Machine Setters, Operators, and Tenders Grinding and Polishing Workers, Hand	26,491 25,115 25,018 25,275	41,418 37,948 36,848 31,567	44,063 41,720 34,327	No No No	No No No	No No No	High school diploma or equivalent High school diploma or equivalent No formal educational credential	No No Yes	No Yes	No Yes
51-8099 51-9011 51-9012 51-9021 51-9022 51-9023	Plant and System Operators, All Other Chemical Equipment Operators and Tenders Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders	25,491 25,115 25,018 25,275 24,956	41,418 37,948 36,848 31,567 34,975	44,063 41,720 34,327 39,776	No No No	No No No	No No No	High school diploma or equivalent High school diploma or equivalent No formal educational credential High school diploma or equivalent	No No Yes No	No Yes No	No Yes No
51-8099 51-9011 51-9012 51-9021 51-9022 51-9023 51-9031	Plant and System Operators, All Other Chemical Equipment Operators and Tenders Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand	25,415 25,018 25,275 24,956 19,480	41,418 37,948 36,848 31,567 34,975 31,647	44,063 41,720 34,327 39,776 35,552	No No No No	No No No No	No No No No	High school diploma or equivalent High school diploma or equivalent No formal educational credential High school diploma or equivalent No formal educational credential	No No Yes No	No Yes No Yes	No Yes No Yes
51-8099 51-9011 51-9012 51-9021 51-9022 51-9023 51-9031	Plant and System Operators, All Other Chemical Equipment Operators and Tenders Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Slicing Machine Setters, Operators, and Tenders	25,491 25,115 25,018 25,275 24,956	41,418 37,948 36,848 31,567 34,975	44,063 41,720 34,327 39,776	No No No	No No No	No No No	High school diploma or equivalent High school diploma or equivalent No formal educational credential High school diploma or equivalent	No No Yes No	No Yes No	No Yes No
51-8099 51-9011 51-9012 51-9021 51-9022 51-9023 51-9031 51-9032	Plant and System Operators, All Other Chemical Equipment Operators and Tenders Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and	26,491 25,115 25,018 25,275 24,956 19,480 25,408	41,418 37,948 36,848 31,567 34,975 31,647 34,434	44,063 41,720 34,327 39,776 35,552 39,421	No No No No No	No No No No No	No No No No No	High school diploma or equivalent High school diploma or equivalent No formal educational credential High school diploma or equivalent No formal educational credential High school diploma or equivalent	No No Yes No No	No Yes No Yes No	No Yes No Yes
51-8099 51-9011 51-9012 51-9021 51-9022 51-9023 51-9031 51-9032 51-9041	Plant and System Operators, All Other Chemical Equipment Operators and Tenders Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	26,491 25,115 25,018 25,275 24,956 19,480 25,408 36,509	41,418 37,948 36,848 31,567 34,975 31,647 34,434 38,364	44,063 41,720 34,327 39,776 35,552 39,421 42,640	No No No No No No Ves	No No No No No	No No No No No	High school diploma or equivalent High school diploma or equivalent No formal educational credential High school diploma or equivalent No formal educational credential High school diploma or equivalent High school diploma or equivalent	No No Yes No No No	No Yes No Yes No	No Yes No Yes No
51-8099 51-9011 51-9012 51-9021 51-9022 51-9023 51-9031 51-9032 51-9041 51-9051	Plant and System Operators, All Other Chemical Equipment Operators and Tenders Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders Furnace, Klin, Oven, Drier, and Kettle Operators and Tenders	26,491 25,115 25,018 25,275 24,956 19,480 25,408 36,509 27,219	41,418 37,948 36,848 31,567 34,975 31,647 34,434 38,364 34,860	44,063 41,720 34,327 39,776 35,552 39,421 42,640 39,129	No No No No No No No No	No No No No No No	No No No No No No	High school diploma or equivalent High school diploma or equivalent No formal educational credential High school diploma or equivalent No formal educational credential High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent	No No Yes No No No No No No	No Yes No Yes No No	No Yes No Yes No No
51-8099 51-9011 51-9012 51-9021 51-9022 51-9023 51-9031 51-9032	Plant and System Operators, All Other Chemical Equipment Operators and Tenders Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders Grinding and Polishing Workers, Hand Mixing and Blending Machine Setters, Operators, and Tenders Cutters and Trimmers, Hand Cutting and Slicing Machine Setters, Operators, and Tenders Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	26,491 25,115 25,018 25,275 24,956 19,480 25,408 36,509	41,418 37,948 36,848 31,567 34,975 31,647 34,434 38,364	44,063 41,720 34,327 39,776 35,552 39,421 42,640	No No No No No No Ves	No No No No No	No No No No No	High school diploma or equivalent High school diploma or equivalent No formal educational credential High school diploma or equivalent No formal educational credential High school diploma or equivalent High school diploma or equivalent	No No Yes No No No	No Yes No Yes No	No Yes No Yes No

Wages - Workforce Region 19

Vages - Workforce Region 19 Nay 2022		Annual Wages (\$) by Occupation			Wage Meet	s or Exceeds All Occu	pation Metric		Wage Meets or Exceeds Education		
		Representative	Average Annual	High-Level Wage	Representative	Average Annual	High-Level Wage	1	Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-9082	Medical Appliance Technicians	25,195	35,774	44,276	No	No	No	Postsecondary nondegree award	No	No	No
51-9083	Ophthalmic Laboratory Technicians	28,600	33,177	35,100	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	23,632	33,592	34,433	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	22,382	31,878	37,691	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	22,492	43,411	57,222	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9141 51-9151	Semiconductor Processing Technicians Photographic Process Workers and Processing Machine Operators	20,776	31,416	33,830	No	No	No	High sales of distance as a subsequent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	27,219	38,490	43,566	No	No	No	High school diploma or equivalent Postsecondary nondegree award	No No	No	No
51-9162	Computer Numerically Controlled Tool Operators Computer Numerically Controlled Tool Programmers	32,641	53,337	43,566 62,229	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9102	Adhesive Bonding Machine Operators and Tenders	20,651	29,810	33,884	No	No	No No	High school diploma or equivalent	No No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	23,127	32,002	41,951	No	No	No		No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	24,503	40,611	43,255	No	No	No	High school diploma or equivalent High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	25,941	30,937	34,097	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	25,808	34,176	37,984	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	25,896	39,475	46,503	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders		,	,					1 1		
51-9198	HelpersProduction Workers	22,545	30.918	35.456	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	23,051	30,318	31,200	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	33,600	50,666	55,272	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
	First-Line Supervisors of Transportation and Material Moving Workers, Except			,				· · · · · · · · · · · · · · · · · · ·			
53-1047	Aircraft Cargo Handling Supervisors	36,255	55,440	66,078	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	96,672	240,256	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	49,099	92,112	99,181	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	70,962	112,141	139,555	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	70,962	112,141	139,555	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	31,248	61,484	70,208	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	22,852	27,210	28,887	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	20,800	31,155	38,369	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	31,967	46,090	50,377	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	20,867	27,657	33,582	No	No	No	High school diploma or equivalent	No	No	No
53-3051	Bus Drivers, School	29,842	37,533	39,965	No	No	No	High school diploma or equivalent	Yes	No	No
53-3052	Bus Drivers, Transit and Intercity	26,770	34,879	45,077	No	No	No	High school diploma or equivalent	No	No	No
53-3053	Shuttle Drivers and Chauffeurs	20,800	34,001	38,994	No	No	No	High school diploma or equivalent	No	No	No
53-3054	Taxi Drivers	18,521	28,124	28,346	No	No	No	No formal educational credential	No	No	No
53-3099	Motor Vehicle Operators, All Other	19,835	27,902	31,124	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	50,222	61,005	65,904	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers										
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	34,727	52,512	54,926	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	56,239	63,481	65,948	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	25,932	37,061	46,548	No	No	No	High school diploma or equivalent	No	No	No
53-4099	Rail Transportation Workers, All Other										
53-5011	Sailors and Marine Oilers	25,843	40,415	44,586	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	33,183	76,535	112,336	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022 53-5031	Motorboat Operators Ship Engineers	25,284 64.404	40,318	47,249 97.080	No	No	No	Postsecondary nondegree award	No Yes	No	Yes
53-5031		,	87,229 28,435	97,080 32,286	Yes No	Yes	Yes	Postsecondary nondegree award	Yes No	Yes	Yes
53-6021	Bridge and Lock Tenders	21,370 18.876	28,435	32,28b 25.657	No No	No No	No No	High school diploma or equivalent	No No	No	No No
53-6031	Parking Attendants Automotive and Watercraft Service Attendants	,	,	30.887	No			No formal educational credential	No No	No	
53-6032	Aircraft Service Attendants	21,943	28,282	30,887	No No	No	No	No formal educational credential	No No	No.	No No
53-6041	Traffic Technicians	26,447	32,810 42.199	48.394	No	No No	No No	High school diploma or equivalent	No No	No No	No No
53-6051	Transportation Inspectors	27,192	75.888	95,740			Yes	Associate's degree	Yes		Yes
53-6061	Passenger Attendants	35,676 18.885	28,923	33.804	Yes No	Yes No	No.	High school diploma or equivalent	No.	Yes No	No.
53-6099	Transportation Workers, All Other	18,459	27,281	28.905	No	No	No	High school diploma or equivalent	No No	No	No.
53-7011	Conveyor Operators and Tenders	26,216	30,733	31,780	No	No	No	High school diploma or equivalent No formal educational credential	Yes	Yes	No
53-7011	Crane and Tower Operators	32,526	56.186	68,317	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	31,692	42,004	43,743	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-7041	Hoist and Winch Operators	28,630	44,862	45,971	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	32,676	45,702	50.484	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	22,723	28,810	29.192	No.	No	No	No formal educational credential	No.	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	25,212	31,577	35,124	No.	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	25,772	33,351	36,040	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7064	Packers and Packagers, Hand	21,235	24,901	25,275	No	No	No	No formal educational credential	No No	No	No
53-7065	Stockers and Order Fillers	24,876	34,803	45,863	No	No	No	High school diploma or equivalent	No	No	No
53-7003	Gas Compressor and Gas Pumping Station Operators	29,510	30,827	32,001	No.	No	No	High school diploma or equivalent	Yes	No	No
	Pump Operators, Except Wellhead Pumpers	32,825	40,416	40,851	Yes	No	No	High school diploma or equivalent	Yes	No	No
		32,023	-10,-110	-10,031					1 1.0		
53-7072				l							
53-7072 53-7073	Wellhead Pumpers	24.421	38 254	45 760	No	No	No	No formal educational credential	Ves	Vec	Ves
53-7072		24,431 38,481	38,254 53,630	45,760 54,455	No Yes	No Yes	No Yes	No formal educational credential No formal educational credential	Yes Yes	Yes Yes	Yes Yes

 $[\]ensuremath{^{*}}$ indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

Summary - Workforce Region 19

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	30,756	47,171	53,588	782
No formal educational credential	23,019	30,193	32,967	81
High school diploma or equivalent	28,636	42,548	49,244	218
Some college, no degree	26,047	41,348	46,374	48
Postsecondary nondegree award	29,831	41,316	45,954	87
Associate's degree	32,572	46,223	52,424	65
Bachelor's degree	42,457	73,546	84,514	179
Master's degree	47,097	72,092	83,579	39
Doctoral or professional degree	60,879	132,131	144,485	65

	Representative	Starting Wage	Average Ar	nual Wage	High-Level Wage Threshold		
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	
All Occupations	480	302	454	328	439	343	
No formal educational credential	49.38%	50.62%	39.51%	60.49%	39.51%	60.49%	
High school diploma or equivalent	73.39%	26.61%	81.19%	18.81%	80.73%	19.27%	
Some college, no degree	31.25%	68.75%	37.50%	62.50%	35.42%	64.58%	
Postsecondary nondegree award	49.43%	50.57%	33.33%	66.67%	28.74%	71.26%	
Associate's degree	52.31%	47.69%	30.77%	69.23%	24.62%	75.38%	
Bachelor's degree	62.57%	37.43%	62.57%	37.43%	62.01%	37.99%	
Master's degree	71.79%	28.21%	56.41%	43.59%	53.85%	46.15%	
Doctoral or professional degree	73.85%	26.15%	67.69%	32.31%	63.08%	36.92%	

May 2022	egion 20	Annual W	/ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All C	Occupation Metric		$\overline{}$	Wage Meet	s or Exceeds Educati	ional Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
11-1011	Chief Executives	65,124	252,390	*	Yes	Yes	Yes*	Bachelor's degree		Yes	Yes	Yes*
11-1021	General and Operations Managers	39,290	105,356	126,240	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-1031	Legislators	21,270	67,530	97,706	No	Yes	Yes	Bachelor's degree		No	No	Yes
11-2011	Advertising and Promotions Managers	51,606	111,392	134,465	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2021	Marketing Managers	48,035	132,977	167,299	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2022 11-2032	Sales Managers Public Relations Managers	56,488 51,364	126,453 97,561	165,374 120.080	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2032	Fundraising Managers	51,364	121,322	148,242	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		Yes Yes	Yes	Yes Yes
11-3012	Administrative Services Managers	35,981	96.987	122,923	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-3012	Facilities Managers	54,004	110,978	149,923	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	80.825	143.130	169.901	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3031	Financial Managers	69,495	148,638	165,061	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3051	Industrial Production Managers	56,643	105,968	129,435	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3061	Purchasing Managers	70,494	123,776	157,239	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	49,012	101,783	130,192	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	71,036	118,426	148,319	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3121	Human Resources Managers	72,073	115,453	133,529	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3131	Training and Development Managers	63,233	98,945	126,307	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	23,776	96,006	137,577	No	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-9021	Construction Managers	60,973	118,124	125,812	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9031 11-9032	Education and Childcare Administrators, Preschool and Daycare	33,523	52,208	58,013	Yes	Yes	No	Bachelor's degree	_	No	No	No
11-9032 11-9033	Education Administrators, Kindergarten through Secondary Education Administrators, Postsecondary	47,561 51,874	91,145 88,963	103,243 98,480	Yes	Yes	Yes Yes	Master's degree	-	No	Yes	Yes Yes
11-9033	Education Administrators, Postsecondary Education Administrators, All Other	51,874 42.978	88,963 69.837	98,480 78.791	Yes			Master's degree	-	Yes	Yes No	Yes No
11-9039	Architectural and Engineering Managers	93.446	151,398	78,791 170,418	Yes Yes	Yes	Yes Yes	Master's degree Bachelor's degree		No Yes	Yes	Yes
11-9051	Food Service Managers	37,415	68.056	79.403	Yes	Yes	Yes	Some college, no degree	+-	Yes	Yes	Yes
11-9071	Gambling Managers	59,942	115,064	116,279	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
11-9072	Entertainment and Recreation Managers, Except Gambling	46,227	89,914	107.763	Yes	Yes	Yes	Bachelor's degree	+-	Yes	Yes	Yes
11-9081	Lodging Managers	39,355	83.836	97,122	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-9111	Medical and Health Services Managers	58,914	102.625	104.537	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9121	Natural Sciences Managers	53,810	118,908	130,686	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	76.835	91.077	98,675	Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	33,728	64,013	73,176	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9151	Social and Community Service Managers	36,456	67,606	78,884	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9161	Emergency Management Directors	49,459	89,671	107,233	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9171	Funeral Home Managers	29,338	66,575	76,313	No	Yes	Yes	Associate's degree		No	Yes	Yes
11-9179	Personal Service Managers, All Other	47,229	75,165	81,805	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
11-9199	Managers, All Other	57,157	114,175	150,488	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	29,135	93,458	152,263	No	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-1020	Buyers and Purchasing Agents	34,897	60,564	74,042	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	37,690	66,976	84,635	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	48,050	66,829	76,399	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
13-1041	Compliance Officers	35,100	65,005	81,308	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1051	Cost Estimators	37,245	65,662	79,407	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1071	Human Resources Specialists	34,189	61,991	77,388	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1074	Farm Labor Contractors	23,481	86,289	120,553	No	Yes	Yes	No formal educational credential		No	Yes	Yes
13-1075 13-1081	Labor Relations Specialists Logisticians	49,538	85,394	100,592	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1081	Project Management Specialists	31,792 48.947	66,555 86,422	83,943 102,061	No Yes	Yes	Yes Yes	Bachelor's degree	-	No Yes	No Yes	No Yes
13-1111	Management Analysts	43,680	86,633	99,512	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		No	Yes	Yes
13-1111	Meeting, Convention, and Event Planners	43,080 34.128	49.153	53.877	Yes	No.	nes No	Bachelor's degree		No	No.	No.
13-1131	Fundraisers	29,698	54.125	62.937	No	Yes	Yes	Bachelor's degree	+-	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	40.328	63.641	76.299	Yes	Yes	Yes	Bachelor's degree	+-	No.	No.	No.
13-1151	Training and Development Specialists	31,730	63,206	80,591	No	Yes	Yes	Bachelor's degree	_	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	31,380	63,373	75,468	No	Yes	Yes	Bachelor's degree	_	No	No	No
13-1199	Business Operations Specialists, All Other	33,475	67,873	82,472	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2011	Accountants and Auditors	41,082	78,120	92,551	Yes	Yes	Yes	Bachelor's degree	\perp	No	No	No
13-2020	Property Appraisers and Assessors	36,245	71,468	83,949	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2031	Budget Analysts	45,550	67,227	78,197	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
13-2041	Credit Analysts	52,170	94,131	104,001	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-2051	Financial and Investment Analysts	48,723	84,393	92,851	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
13-2052	Personal Financial Advisors	33,481	131,520	238,504	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-2053	Insurance Underwriters	47,046	75,759	98,271	Yes	Yes	Yes	Bachelor's degree		Yes	No	Yes
13-2054	Financial Risk Specialists	61,886	199,684	124,216	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-2061	Financial Examiners	52,432	102,229	123,913	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-2071	Credit Counselors	38,526	48,112	47,714	Yes	No	No	Bachelor's degree		No	No	No
13-2072	Loan Officers	31,376	69,493	84,552	No	Yes	Yes	Bachelor's degree		No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	29,245	47,096	70,533	No	No	Yes	Bachelor's degree		No	No	No
13-2082	Tax Preparers	24,273	38,985	45,020	No	No	No	Postsecondary nondegree award	_	No	No	No
13-2099	Financial Specialists, All Other	32,572	60,237	71,906	Yes	Yes	Yes	Bachelor's degree	_	No	No	No
15-1211	Computer Systems Analysts	48,080	94,544	114,004	Yes	Yes	Yes	Bachelor's degree	_	Yes	Yes	Yes
15-1212	Information Security Analysts	65,000	104,385	110,764	Yes	Yes	Yes	Bachelor's degree	_	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	76,923	128,160	172,334	Yes	Yes	Yes	Master's degree	_	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	43,220	75,880	86,288	Yes	Yes	Yes	Associate's degree	_	Yes	Yes	Yes
15-1232	Computer User Support Specialists	34,715	57,115	68,016	Yes	Yes	Yes	Postsecondary nondegree award	_	Yes	Yes	Yes
15-1241	Computer Network Architects	53,684	100,998	112,884	Yes	Yes	Yes	Bachelor's degree	_	Yes	Yes	Yes
15-1242	Database Administrators Database Architects	52,849 62,511	97,553 120,163	127,077	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
15-1243			120 162	160,753	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes

15-1251 Computer Programs 15-1252 Software Developers 15-1253 Software Quality As 15-1254 Web Developers 15-1255 Web and Digital Init 15-1259 Computer Occupation 15-1259 Computer Occupation 15-1251 Mathematicians 15-2021 Mathematicians 15-2021 Mathematicians 15-2031 Operations Researd 15-2031 Operations Researd 15-2041 Statisticians 15-2051 Data Scientists 15-2051 Data Scientists 15-2051 Data Scientists 15-2099 Mathematical Scientists 17-2011 Architects, Except Landscape Architect 17-1012 Landscape Architect 17-1012 Landscape Architect 17-1021 Cartographers and 1 17-1022 Surveyors 17-2021 Agricultural Engineers 17-2031 Agricultural Engineers 17-2041 Chemical Engineers 17-2051 Cvill Engineers 17-2061 Computer Hardwart 17-2071 Electrical Engineers 17-2081 Environmental Engineers 17-2011 Health and Safety E 17-2121 Marine Engineers 17-2121 Marine Engineers 17-2131 Materials Engineers 17-2141 Mechanical Engineers 17-2151 Mining and Geologi 17-2161 Nuclear Engineers 17-2171 Petroleum Engineers 17-2181 Electrical and Electrical			ages (\$) by Occupat		wage week		Occupation Metric				
15-1244 Network and Comp 15-1251 Computer Program 15-1252 Software Developer 15-1253 Software Quality As 15-1254 Web Developers 15-1254 Web Developers 15-1254 Web Developers 15-1255 Web and Digital Int 15-1299 Computer Occupati 15-2021 Actuaries 15-2021 Mathematicians 15-2031 Operations Researd 15-2031 Operations Researd 15-2031 Operations Researd 15-2041 Statisticians 15-2051 Data Scientists 15-2051 Data Scientists 15-2059 Mathematical Scientists 15-2099 Mathematical Scientists 17-1011 Architects, Except Li 17-1012 Landscape Architect 17-1012 Landscape Architect 17-1021 Carrotgraphers and 17-1022 Surveyors 17-1021 Agricultural Engineers 17-2031 Agricultural Engineers 17-2031 Agricultural Engineers 17-2041 Chemical Engineers 17-2051 Cvill Engineers 17-2051 Cvill Engineers 17-2071 Electrical Engineers 17-2072 Electronics Engineer 17-2073 Electrical Engineers 17-2112 Marine Engineers 17-2113 Materials Engineers 17-2114 Mechanical Engineers 17-2151 Mining and Geologi 17-2161 Nuclear Engineers 17-2161 Nuclear Engineers 17-2179 Electrical and Electri			Average Annual	High-Level Wage	Representative	Average Annu	ual High-Level Wage		Representative	Average Annua	onal Level Metric High-Level Wage
15-1251 Computer Program 15-1252 Software Developer 15-1253 Software Quality As 15-1254 Web Developers 15-1254 Web Developers 15-1259 Computer Occupati 15-1259 Computer Occupati 15-1259 Computer Occupati 15-2021 Mathematicians 15-2031 Operations Research 15-2031 Operations Research 15-2031 Operations Research 15-2051 Data Scientists 15-2051 Data Scientists 15-2051 Data Scientists 15-2051 Data Scientists 17-1011 Architects, Except L. 17-1012 Landscape Architect 17-1012 Landscape Architect 17-1012 Cartographers and i 17-1012 Agricultural Engineer 17-1014 Aerospace Engineer 17-2010 Agricultural Engineers 17-2011 Agricultural Engineers 17-2051 Civil Engineers 17-2051 Civil Engineers 17-2051 Computer Hardward 17-2061 Electrical Engineers 17-2071 Electrical Engineers 17-2071 Electrics Engineer 17-2081 Environmental Engineers 17-2081 Environmental Engineers 17-2112 Industrial Engineers 17-2114 Matrine Engineers and 17-2115 Matrine Engineers 17-2116 Nuclear Engineers 17-2117 Petroleum Engineers 17-2119 Engineers, All Other 17-3011 Architectural and Cit 17-3012 Electrical and Electr 17-3013 Mechanical Drafter 17-3014 Aerospace Engineer 17-3021 Aerospace Engineer 17-3022 Civil Engineering Ie		Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
15-1251 Computer Program 15-1252 Software Developer 15-1253 Software Quality As 15-1254 Web Developers 15-1254 Web Developers 15-1255 Web and Digital Inte 15-1259 Computer Occupati 15-1259 Computer Occupati 15-1259 Computer Occupati 15-2021 Mathematicians 15-2031 Operations Research 15-2031 Operations Research 15-2031 Statisticians 15-2031 Data Scientists 15-2051 Data Scientists 15-2051 Data Scientists 15-2051 Data Scientists 17-2051 Cartographers and 17-1012 Landscape Architect 17-1012 Landscape Architect 17-1012 Cartographers and 17-1012 Cartographers and 18-10-1014 Architects, Except Landscape Architect 17-1014 Architects, Except Landscape Architect 17-1015 Surveyors 17-2010 Agricultural Engineers 17-2011 Agricultural Engineers 17-2051 Civil Engineers 17-2051 Civil Engineers 17-2051 Computer Hardward 17-2061 Computer Hardward 17-2071 Electroics Engineer 17-2071 Electroics Engineer 17-2081 Environmental Engineers 17-2112 Industrial Engineers 17-21141 Materials Engineers 17-2115 Industrial Engineers 17-2116 Nuclear Engineers 17-2117 Petroleum Engineers 17-2119 Engineers, All Other 17-3011 Architectural and Cit 17-3011 Architectural and Cit 17-3013 Mechanical Director 17-3014 Architectural and Cit 17-3015 Civil Engineerin [1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-											
15-1252 Software Developer 15-1253 Software Quality AS 15-1254 Web Developers 15-1255 Web and Digital Intel 15-1255 Web and Digital Intel 15-1291 Computer Occupati 15-2011 Actuaries 15-2021 Mathematicians 15-2021 Operations Researd 15-2031 Operations Researd 15-2041 Statisticians 15-2041 Statisticians 15-2099 Mathematical Scien 17-1011 Architects, Except L 17-1021 Landscape Architect 17-1022 Surveyor 17-1023 Surveyor 17-2021 Agricultural Engineers 17-2021 Agricultural Engineers 17-2031 Bioengineers and Bi 17-2041 Chemical Engineers 17-2041 Chemical Engineers 17-2041 Chemical Engineers 17-2072 Electrical Engineers 17-2073 Electrical Engineers 17-2074 Health and Safety E <td>puter Systems Administrators</td> <td>43,190</td> <td>83,849</td> <td>100,658</td> <td>Yes</td> <td>Yes</td> <td>Yes</td> <td>Bachelor's degree</td> <td>No</td> <td>Yes</td> <td>Yes</td>	puter Systems Administrators	43,190	83,849	100,658	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1253 Software Quality As 15-1254 Web Developers 15-1259 Web and Digital Into 15-1259 Computer Occupati 15-1259 Computer Occupati 15-2021 Actuaries 15-2021 Mathematicians 15-2031 Operations Research 15-2031 Operations Research 15-2031 Oparations Research 15-2031 Oparations Research 15-2031 Oparations Research 15-2031 Data Scientists 15-2031 Data Scientists 15-2031 Architects, Except L. 17-1011 Architects, Except L. 17-1012 Landscape Architect 17-1021 Cartographers and Incomputer 17-1021 Agricultural Engineers 17-2021 Agricultural Engineers 17-2031 Bioengineers and Incomputer 17-2031 Computer Hardward 17-2041 Chemical Engineers 17-2051 Civil Engineers 17-2051 Civil Engineers 17-2061 Computer Hardward 17-2071 Electrical Engineers 17-2081 Environmental Engineers 17-2012 Marine Engineers 17-2112 Industrial Engineers 17-2114 Metchanical Engineers 17-2115 Mining deologi 17-2116 Nuclear Engineers 17-2117 Petroleum Engineer 17-3018 Engineers All Other 17-3019 Civil Engineerin 17-3021 Aerospace Engineer 17-3021 Aerospace Engineer 17-3022 Civil Engineerin 17-3021 Electrical and Elec		52,561 59,159	91,767 112.128	118,488 133,525	Yes	Yes	Yes Yes	Bachelor's degree	Yes	Yes	Yes
15-1254 Web Developers		59,159 39.006	112,128 85.912	133,525	Yes Yes	Yes	Yes	Bachelor's degree Bachelor's degree	No	Yes	Yes
15-1255 Web and Digital Int 15-1299 Computer Occupant 15-1299 Computer Occupant 15-2011 Actuaries 15-2021 Mathematicians 15-2031 Operations Research 15-2041 Statisticians 15-2051 Data Scientists 15-2099 Mathematical Scien 17-1011 Architects, Except L. 17-1012 Landscape Architect 17-1021 Cartographers and Is 17-2021 Agricultural Engineers 17-2021 Agricultural Engineers 17-2021 Agricultural Engineers 17-2041 Chemical Engineers 17-2051 Computer Hardwart 17-2061 Computer Hardwart 17-2071 Electrical Engineers 17-2081 Environmental Engineer 17-2081 Environmental Engineer 17-2081 Health and Safety E 17-2112 Industrial Engineers 17-2121 Marine Engineers 17-2121 Marine Engineers 17-2121	assurance Analysis and Testers	37,831	89,187	107,213	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1299	terface Designers	47,850	92.692	96.433	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-2011 Actuaries 15-2021 Mathematicians 15-2021 Mathematicians 15-2031 Operations Research 15-2041 Statisticians 15-2051 Data Scientists 15-2051 Data Scientists 15-2059 Mathematical Scient 15-2059 Mathematical Scient 17-1011 Architects, Except Lt. 17-1012 Landscape Architect 17-1012 Cartographers and It 17-1012 Surveyors 17-2011 Aerospace Engineer 17-2021 Agricultural Engineers 17-2031 Bioengineers and Bi 17-2041 Chemical Engineers 17-2051 Civil Engineers 17-2061 Computer Hardwar 17-2072 Electronics Engineer 17-2072 Electronics Engineer 17-2073 Electronics Engineer 17-2074 Health and Safety E 17-2112 Industrial Engineers 17-2114 Marine Engineers and 17-2115 Matrine Engineers 17-2116 Nuclear Engineers 17-2117 Matrine Engineers 17-2119 Engineers and Geologi 17-2119 Lectronics Engineer 17-2119 Engineers and Geologi 17-3011 Architectural and Cit 17-3013 Mechanical Orafters 17-3013 Mechanical Orafters 17-3021 Aerospace Engineer 17-3021 Civil Engineering 17-3021 Civil Engineering		37,072	81,404	106,890	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
15-2021 Mathematicians	,	68,967	121.768	131,259	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2031 Operations Researd 15-2041 Statisticians 15-2041 Data Scientists 15-2099 Mathematical Scien 15-2099 Mathematical Scien 17-1011 Architects, Except L 17-1012 Landscape Architect 17-1012 Landscape Architect 17-1021 Cartographers and I 17-1021 Agricultural Enginee 17-2011 Aerospace Engineer 17-2011 Aerospace Engineer 17-2021 Agricultural Enginee 17-2031 Bioengineers and Bi 17-2041 Chemical Engineers 17-2051 Civil Engineers 17-2051 Civil Engineers 17-2051 Civil Engineers 17-2051 Electrical Engineers 17-2061 Computer Hardwar 17-2072 Electronics Engineer 17-2081 Environmental Engineers 17-2081 Environmental Engineers 17-2091 Matria Engineers 17-2111 Material Engineers 17-2112 Industrial Engineers 17-2113 Materials Engineers 17-21141 Mechanical Engineer 17-2151 Mining and Geologi 17-2161 Nuclear Engineers 17-2171 Petroleum Engineer 17-3011 Architectural and Cit 17-3013 Mechanical Drafters 17-3013 Mechanical Drafters 17-3021 Aerospace Engineer 17-3021 Civil Engineering 17-3022 Civil Engineering		38,860	92,341	126,985	Yes	Yes	Yes	Master's degree	No	Yes	Yes
15-2051 Data Scientists	ch Analysts	35,214	72,839	98,936	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
15-2099 Mathematical Scien 17-1011 Architects, Exept 17-1011 Architects, Exept 17-1011 Architects, Exept 17-1012 Landscape Architect 17-1021 Cartographers and 17-1021 Cartographers and 17-1022 Surveyor 17-2011 Agricultural Engineers 17-2021 Agricultural Engineers 17-2031 Bioengineers and Bi 17-2041 Chemical Engineers 17-2051 Civil Engineers 17-2051 Civil Engineers 17-2051 Computer Hardwar 17-2071 Electrical Engineers 17-2072 Electronics Engineer 17-2072 Electronics Engineer 17-2072 Electronics Engineers 17-2072 Electronics Engineers 17-2071 Marine Engineers 17-2071 Marine Engineers 17-2111 Marine Engineers 17-2111 Marine Engineers 17-21141 Mechanical Engineers 17-21151 Mining and Geologi 17-2116 Nuclear Engineers 17-2117 Petroleum Engineer 17-2119 Engineers, all Other 17-3011 Architectural and Cit 17-3012 Electrical and Electr 17-3021 Aerospace Engineer 17-3022 Civil Engineering 17-3022 Civil Engineering 17-3022 Civil Engineering 17-3022 Electrical and Electr 17-3022 Electrical and Electrical and Electr 17-3022 Electrical and		39,559	81,431	98,636	Yes	Yes	Yes	Master's degree	No	No	Yes
17-1011		51,084	100,283	120,804	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012 Landscape Architect 17-1021 Cartographers and 1 17-1021 Cartographers and 1 17-1022 Surveyor gine 17-2011 Aerospace Engineer 17-2031 Bioengineers and Bi 17-2031 Bioengineers and Bi 17-2041 Chemical Engineers 17-2056 Civil Engineers 17-2061 Computer Hardwar 17-2072 Electronics Engineer 17-2073 Electronics Engineers 17-2081 Environmental Engineer 17-2112 Industrial Engineers 17-2113 Marine Engineers and Geologi 17-2141 Mechanical Engineers 17-2151 Muling and Geologi 17-2161 Nuclear Engineers 17-2179 Engineers, All Other 17-3011 Architectural and Cle 17-3012 Electrical and Electr 17-3013 Mechanical Drafters 17-3021 Aerospace Engineer 17-3022 Civil Engineering	nce Occupations, All Other										
17-1021 Cartographers and is		37,606	98,653	102,643	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-1022 Surveyors 17-2011 Aerospace Engineer 17-2021 Agricultural Engineer 17-2031 Bioengineers and Bi 17-2031 Bioengineers and Bi 17-2031 Chemical Engineers 17-2051 Civil Engineers 17-2072 Electronics Engineers 17-2072 Electronics Engineers 17-2072 Electronics Engineers 17-2011 Health and Safety El 17-2111 Health and Safety El 17-2111 Marine Engineers 17-2111 Marine Engineers 17-2111 Marine Engineers 17-2151 Mining and Geologi 17-2151 Mining and Geologi 17-2151 Mining and Geologi 17-2151 Petroleum Engineer 17-2171 Petroleum Engineer 17-2199 Engineers, All Other 17-3012 Electrical and Electr 17-3013 Mechanical Drafters 17-3014 Aerospace Engineer 17-3021 Aerospace Engineer 17-3022 Civil Engineering 18-20-20-20-20-20-20-20-20-20-20-20-20-20-		39,893	62,267	74,052	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011 Aerospace Engineer	Photogrammetrists	61,611	83,045	99,675	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021 Agricultural Enginee 17-2031 Bioengineers and Bi 17-2041 Chemical Engineers 17-2051 Civil Engineers 17-2051 Civil Engineers 17-2051 Civil Engineers 17-2071 Electrical Engineers 17-2071 Electrical Engineers 17-2072 Electronics Engineer 17-2072 Electronics Engineers 17-2072 Electronics Engineers 17-2072 Electronics Engineers 17-2072 Industrial Engineers 17-2111 Health and Safety E 17-2112 Marine Engineers and Safety E 17-2114 Materials Engineers 17-2131 Materials Engineers 17-2141 Mining and Geologi 17-2161 Nuclear Engineers 17-2171 Petroleum Engineers 17-2171 Petroleum Engineers 17-3011 Architectural and Electrical Aerospace Engineer 17-3021 Aerospace Engineer 17-3022 Civil Engineering Electrical and Ele		34,684	65,105	77,439	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2031 Bioengineers and Bi		68,327	127,064	138,461	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041 Chemical Engineers		70.400	402.200	425.054					v		
17-2051 Civil Engineers 17-2061 Computer Hardwar 17-2061 Computer Hardwar 17-2071 Electrical Engineers 17-2072 Electronics Engineers 17-2072 Electronics Engineers 17-2073 Electronics Engineers 17-2074 Electronics Engineers 17-2075 Engineers 17-2075 Engineers 17-2075 Materials Engineers 17-2075 Materials Engineers 17-2075 Mining and Geologi 17-2076 Nuclear Engineers 17-2076 Nuclear Engineers 17-2079 Engineers, All Other 17-3011 Architectural and Cit 17-3013 Mechanical Drafters 17-3014 Aerospace Engineer 17-3021 Aerospace Engineer 17-3021 Aerospace Engineer 17-3022 Civil Engineering 18-2076 Engineers 17-3022 Civil Engineering 18-2076 Engineers 17-3023 Electrical and Electr		70,103	103,380	126,861 130.414	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061 Computer Hardwar	5	65,460 49,511	106,020 99,222	130,414	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	Yes	Yes Yes	Yes Yes
17-2071 Electrical Engineers	re Engineers	49,511 65.003	116,250	108,216	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	Yes	Yes	Yes
17-2072 Electronics Engineer 17-2081 Environmental Engineer 17-2011 Health and Safety E 17-2112 Industrial Engineers 17-2131 Marine Engineers and Fingineers 17-2141 Mechanical Engineers 17-2151 Mining and Geologi 17-2161 Nuclear Engineers 17-2179 Engineers, All Other 17-3011 Architectural and Clet 17-3013 Mechanical Drafters 17-3013 Mechanical Drafters 17-3021 Aerospace Engineer 17-3022 Civil Engineering 17-3023 Electrical and Electr		61,084	97.224	135,145	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	Yes	Yes	Yes
17-2051 Environmental Engi 17-2111 Health and Safety E. 17-2121 Industrial Engineers 17-2121 Marine Engineers 17-2121 Marine Engineers 17-2131 Materials Engineers 17-2141 Mechanical Engineer 17-2151 Mining and Geologi 17-2161 Mining and Geologi 17-2161 Nuclear Engineers 117-2171 Petroleum Engineers 117-2171 Petroleum Engineers 117-3011 Architectural and Electrical and Electrical 17-3013 Mechanical Drafters 17-3013 Mechanical Drafters 17-3014 Aerospace Engineer 17-3022 Civil Engineering Fe 17-3022 Electrical and		77.653	96,704	104,630	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	Yes	Yes	Yes
17-2111 Health and Safety E. 17-2112 Industrial Engineers and Tr-2121 Marine Engineers and Tr-2121 Materials Engineers and Tr-2121 Marine Engineers and Tr-2121 Mechanical Engineer 17-2151 Mining and Geologi 17-2161 Nuclear Engineers 17-2171 Petroleum Engineer 17-2171 Petroleum Engineer 17-3013 Architectural and Ciectr 17-3013 Mechanical Drafters 17-3014 Aerospace Engineer 17-3020 Civil Engineering 17-3022 Civil Engineering		35,130	69.586	82.163	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2112 Industrial Engineers	Engineers, Except Mining Safety Engineers and Inspectors	61,572	92,200	105,577	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131 Materials Engineers 17-2141 Mechanical Enginee 17-2151 Mining and Geologi 17-2161 Nuclear Engineers 17-2171 Petroleum Engineer 17-2171 Petroleum Engineer 17-3011 Architectural and Cit 17-3013 Mechanical Drafters 17-3013 Mechanical Drafters 17-3014 Aerospace Engineer 17-3021 Aerospace Engineer 17-3022 Civil Engineering 17-3023 Electrical and Electr		35,571	84,350	99,561	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-2141 Mechanical Enginee 17-2151 Mining and Geolar 17-2151 Nuclear Engineers 17-2171 Petroleum Engineer 17-2199 Engineers, All Other 17-3011 Architectural and Ci 17-3012 Electrical and Electr 17-3013 Mechanical Drafters 17-3021 Aerospace Engineer 17-3021 Aerospace Engineer 17-3022 Civil Engineering Te 17-3023 Electrical and Electr	and Naval Architects	50,061	75,787	89,125	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2151 Mining and Geologic 17-2161 Nuclear Engineers 17-2171 Petroleum Engineer 17-2199 Engineers, All Other 17-3012 Electrical and Electr 17-3013 Mechanical Drafters 17-3019 Drafters, All Other 17-3021 Aerospace Engineer 17-3022 Civil Engineering 17-3023 Electrical and Electr	rs	55,220	90,243	110,557	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161 Nuclear Engineers 17-2171 Petroleum Engineers 17-2191 Engineers 17-3011 Architectural and Electrical and Electr 17-3013 Mechanical Drafters 17-3019 Drafters 17-3021 Aerospace Engineer 17-3022 Civil Engineering Tel 17-3023 Electrical and Electr	eers	53,736	88,346	106,398	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171 Petroleum Engineer 17-2199 Engineers, All Other 17-3011 Architectural and Cil 17-3012 Electrical and Electr 17-3013 Mechanical Drafters 17-3019 Drafters, All Other 17-3021 Aerospace Engineer 17-3022 Civil Engineering Te 17-3023 Electrical and Electr	gical Engineers, Including Mining Safety Engineers	45,116	93,973	105,699	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199 Engineers, All Other 17-3011 Architectural and CI 17-3012 Electrical and Electr 17-3013 Mechanical Drafters 17-3019 Drafters, All Other 17-3021 Aerospace Engineer 17-3022 Civil Engineering 17-3023 Electrical and Electr		78,789	113,559	123,079	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011 Architectural and Ci 17-3012 Electrical and Electr 17-3013 Mechanical Drafters 17-3019 Drafters, All Other 17-3021 Aerospace Engineer 17-3022 Civil Engineering Te 17-3023 Electrical and Electr		65,285	127,548	153,021	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3012 Electrical and Electr 17-3013 Mechanical Drafters 17-3019 Drafters, All Other 17-3021 Aerospace Engineer 17-3022 Civil Engineering Ten 17-3023 Electrical and Electr		44,361	87,520	93,725	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
17-3013 Mechanical Drafters 17-3019 Drafters, All Other 17-3021 Aerospace Engineer 17-3022 Civil Engineering Te 17-3023 Electrical and Electr		38,505	52,450	61,045	Yes	Yes	Yes	Associate's degree	Yes	No	No
17-3019 Drafters, All Other 17-3021 Aerospace Engineer 17-3022 Civil Engineering Te 17-3023 Electrical and Electrical		44,942	56,920	66,917	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3021 Aerospace Engineer 17-3022 Civil Engineering Ter 17-3023 Electrical and Electrical		35,952	55,853	68,882	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3022 Civil Engineering Tec 17-3023 Electrical and Electric		38,569 33,330	52,830 73.391	60,138	Yes	Yes	Yes	Associate's degree	Yes	No	No
17-3023 Electrical and Electrical	ering and Operations Technologists and Technicians	33,330 31,043	50,003	106,775 60,146	Yes No	Yes No	Yes Yes	Associate's degree	No No	Yes No	Yes No
	echnologists and Technicians tronic Engineering Technologists and Technicians	31,043	50,003	63,227				Associate's degree			
	Il and Mechatronics Technologists and Technicians	44.660	69.151	78,109	Yes Yes	Yes	Yes Yes	Associate's degree Associate's degree	Yes	Yes	Yes Yes
	gineering Technologists and Technicians	30.495	44.893	50,741	No	No	No	Associate's degree	No	No	No
	ring Technologists and Technicians	46,445	64,420	73,132	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
	ering Technologists and Technicians	32,323	60,552	71,599	No	Yes	Yes	Associate's degree	No	Yes	Yes
	ologists and Technicians	37,986	61,700	78,322	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3029 Engineering Techno	ologists and Technicians, Except Drafters, All Other	33,808	50,992	64,837	Yes	No	Yes	Associate's degree	No	No	Yes
17-3031 Surveying and Mapp		29,694	44,772	49,208	No	No	No	Associate's degree	No	No	No
19-1011 Animal Scientists		36,256	79,313	118,251	Yes	Yes	Yes	Master's degree	No	No	Yes
19-1012 Food Scientists and		38,549	76,544	105,447	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1013 Soil and Plant Scient		39,346	89,418	104,270	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1021 Biochemists and Bio	iophysicists	38,957	85,317	107,526	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022 Microbiologists		35,372	58,173	71,260	Yes	Yes	Yes	Master's degree	No	No	No
19-1023 Zoologists and Wild		34,466	63,960	78,418	Yes	Yes	Yes	Master's degree	No	No	No
19-1029 Biological Scientists,		43,514	66,348	79,934	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1031 Conservation Scient 19-1032 Foresters	iusis	28,995	73,025	104,270	No	Yes	Yes	Bachelor's degree	No	No	Yes
		36,315	58,688	69,113 99,588	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1041 Epidemiologists	Event Enidomialogists	56,230	84,627		Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042 Medical Scientists, E 19-1099 Life Scientists, All Of	Except Epidemiologists	42,405 54.802	96,342 84.161	129,365 89.941	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes No
19-1099 Life Scientists, All Of 19-2011 Astronomers	Juliei	54,802 75,680	84,161 154,799	89,941 217,150	Yes Yes	Yes	Yes Yes	Bachelor's degree Doctoral or professional degree	Yes	Yes	No Yes
19-2011 Astronomers 19-2012 Physicists		75,680	154,799	217,150	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	Yes	Yes	Yes
19-2012 Atmospheric and Sp	Space Scientists	60.816	81.557	217,150 87.862	Yes	Yes	Yes	Bachelor's degree	Yes	No.	No Yes
19-2031 Chemists		42,997	81,658	102.145	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-2032 Materials Scientists	s	66,907	112,840	132,007	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
	entists and Specialists, Including Health	36,462	58,531	63,381	Yes	Yes	Yes	Bachelor's degree	No	No	No
	ept Hydrologists and Geographers	46,865	89,563	107,905	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043 Hydrologists		42,105	66,266	79,032	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2099 Physical Scientists, A	All Other	43,970	104,922	129,996	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-3011 Economists		58,853	93,468	113,947	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022 Survey Researchers		51,392	97,908	124,167	Yes	Yes	Yes	Master's degree	No	Yes	Yes
	ational Psychologists	72,309	124,439	150,583	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
19-3033 Clinical and Counsel		39,560	98,249	117,823	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3034 School Psychologists	sts	40,396	71,326	77,942	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039 Psychologists, All Ot	Other	47,846	97,704	117,202	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041 Sociologists		28,514	57,027	49,401	No	Yes	No	Master's degree	No	No	No
19-3051 Urban and Regional	al Planners	48,805	73,573	77,346	Yes	Yes	Yes	Master's degree	No	No	No

Wages - Workforce Re May 2022	egion av	Annual W	ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All O	Occupation Metric		Wage M	eets or Exceeds Educa	itional Level Metric
may Lozz			Average Annual	High-Level Wage	Representative	Average Annua			Representati		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wag	e Wage	Threshold
19-3091	Anthropologists and Archeologists	38,918	61,273	72,484	Yes	Yes	Yes	Master's degree	No	No	No
19-3092 19-3093	Geographers Historians	34.974	69.861	05.000	V	V	Yes	Mantagle de sans	No	No	No
19-3093	Political Scientists	34,974	93,313	95,090 126.684	Yes Yes	Yes Yes	Yes	Master's degree Master's degree	No No	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	42.144	72,523	77.821	Yes	Yes	Yes	Bachelor's degree	No	No	No.
19-4012	Agricultural Technicians	29,194	38,831	45,078	No	No	No	Associate's degree	No	No	No
19-4013	Food Science Technicians	31,645	48.108	55.472	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	31,928	54,059	66,061	No	Yes	Yes	Bachelor's degree	No	No	No
19-4031	Chemical Technicians	30,188	50,176	49,968	No	No	No	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	29,039	42,439	47,466	No	No	No	Associate's degree	No	No	No
19-4043	Geological Technicians, Except Hydrologic Technicians	30,758	39,550	43,212	No	No	No	Associate's degree	No	No	No
19-4044	Hydrologic Technicians	35,081	54,831	65,576	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
19-4051	Nuclear Technicians	37,986	61,700	78,322	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	29,893	47,914	55,026	No	No	No	Bachelor's degree	No	No	No
19-4071 19-4092	Forest and Conservation Technicians	33,050 36,542	45,835 52,921	54,540 58,863	Yes	No	No	Associate's degree	No	No No	No No
19-4092	Forensic Science Technicians Life, Physical, and Social Science Technicians, All Other	28,090	45,486	57,392	Yes No	Yes No	Yes No	Bachelor's degree	No No	No	No
19-5011	Occupational Health and Safety Specialists	35.630	68.437	84.635	Yes	Yes	Yes	Bachelor's degree	No No	No No	No No
19-5012	Occupational Health and Safety Technicians	39,190	60,563	67,519	Yes	Yes	Yes	Bachelor's degree Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	36,941	55.243	64.461	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	29,656	39,453	42,724	No	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	24,351	41,098	46,099	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	36,309	54,155	61,645	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	29,744	44,871	47,560	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	31,139	46,865	50,877	No	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	29,837	57,208	66,614	No	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	26,789	42,058	49,128	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	36,411	45,761	50,981	Yes	No	No	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	35,777	50,713	53,531	Yes	No	No	Bachelor's degree	No	No	No
21-1092 21-1093	Probation Officers and Correctional Treatment Specialists Social and Human Service Assistants	32,282 27,102	43,197 37.350	49,285 40.373	No No	No No	No No	Bachelor's degree	No	No No	No No
21-1093	Community Health Workers	27,102	43.033	40,373	No	No	No No	Some college, no degree Bachelor's degree	Yes No	No	No No
21-1099	Community and Social Service Specialists, All Other	30.755	48,419	59.295	No No	No	Yes	Bachelor's degree	No	No	No
21-2011	Clergy	27,340	49,565	58,431	No.	No	No	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	27,100	52,207	65,857	No	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	24,984	39,857	49,197	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	56,630	113,477	133,408	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	31,451	44,475	46,010	No	No	No	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	41,425	91,049	113,063	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	48,614	78,310	85,604	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
23-1023	Judges, Magistrate Judges, and Magistrates	41,425	91,049	113,063	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-2011	Paralegals and Legal Assistants	30,687	50,922	58,873	No	No	Yes	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	31,113	53,403	59,425	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
25-1011	Legal Support Workers, All Other Business Teachers, Postsecondary	28,607 47,401	71,358 65,103	89,129 74,545	No Yes	Yes	Yes Yes	Associate's degree Doctoral or professional degree	No No	Yes No	Yes No
25-1011	Computer Science Teachers, Postsecondary	46,865	88,504	109,673	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Mathematical Science Teachers, Postsecondary	46,379	73,892	87,532	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	37,704	100,045	125.440	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	45,719	87.756	120.728	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	43,659	60,573	73,649	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	51,149	86,726	97,237	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	43,659	60,573	73,649	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	45,486	62,506	60,563	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	38,802	79,372	95,333	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	43,271	70,337	87,688	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	46,613	62,652	61,914	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	45,486	82,879	97,373	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	47,244	65,139	74,786	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063 25-1064	Economics Teachers, Postsecondary Geography Teachers, Postsecondary	45,709 45,486	57,882 62,506	53,141 60.563	Yes Yes	Yes	No Yes	Doctoral or professional degree	No No	No No	No No
25-1065	Political Science Teachers, Postsecondary	44,135	62,147	57,387	Yes	Yes	No.	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	46,360	79,595	90.534	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No	No	No
25-1007	Sociology Teachers, Postsecondary	46,554	98.034	117.085	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	45,068	63,420	74,621	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	45,984	70,824	76,227	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-1072	Nursing Instructors and Teachers, Postsecondary	46,875	77,875	92,069	Yes	Yes	Yes	Master's degree	No	No	No
25-1081	Education Teachers, Postsecondary	36,859	72,600	83,345	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	47,098	72,144	79,498	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	41,561	56,609	59,193	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	44,087	137,341	203,082	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
25-1113	Social Work Teachers, Postsecondary	59,553	68,306	75,058	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	45,631	85,084	95,722	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	44,670	77,856	96,577	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	43,203	66,771	76,476	Yes	Yes	Yes	Doctoral or professional degree	No No	No	No No
		39,938	66,033	76,671	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary										No
25-1124 25-1125 25-1126	History Teachers, Postsecondary Philosophy and Religion Teachers, Postsecondary	40,861 44,291	54,103 65.547	47,613 76,826	Yes Yes	Yes Yes	No Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No

Wages - Workforce Re May 2022	-9	Annual W	/ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All O	Occupation Metric			Wage Meets	or Exceeds Educat	ional Level Metric
,			Average Annual	High-Level Wage	Representative	Average Annua			Rep	resentative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Sta	rting Wage	Wage	Threshold
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	42,795	73,018	77,021	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1194	Career/Technical Education Teachers, Postsecondary	36,102	53,860	62,842	Yes	Yes	Yes	Master's degree	No		No	No
25-1199 25-2011	Postsecondary Teachers, All Other Preschool Teachers, Except Special Education	36,091 22,779	63,954 30,392	75,437 31,987	Yes No	Yes No	Yes No	Doctoral or professional degree Associate's degree	No No		No No	No No
25-2011	Kindergarten Teachers, Except Special Education	46,256	50,566	48,468	Yes	No	No	Bachelor's degree	Yes		No	No
25-2012	Elementary School Teachers, Except Special Education	45,564	59,417	64.487	Yes	Yes	Yes	Bachelor's degree	Yes		No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	45,890	60.324	64.826	Yes	Yes	Yes	Bachelor's degree	Yes		No	No
25-2023	Career/Technical Education Teachers, Middle School	46,311	64,002	72,532	Yes	Yes	Yes	Bachelor's degree	Yes		No	No
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	46,659	61,630	65,159	Yes	Yes	Yes	Bachelor's degree	Yes		No	No
25-2032	Career/Technical Education Teachers, Secondary School	45,863	61,559	65,509	Yes	Yes	Yes	Bachelor's degree	Yes		No	No
25-2051	Special Education Teachers, Preschool	36,771	58,552	74,669	Yes	Yes	Yes	Bachelor's degree	No		No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	33,504	46,242	46,655	Yes	No	No	Bachelor's degree	No		No	No
25-2057	Special Education Teachers, Middle School	47,076	47,996	47,076	Yes	No	No	Bachelor's degree	Yes		No	No
25-2058	Special Education Teachers, Secondary School	47,257	55,029	62,266	Yes	Yes	Yes	Bachelor's degree	Yes		No	No
25-2059	Special Education Teachers, All Other	30,534	44,445	47,310	No	No	No	Bachelor's degree	No		No	No
	Adult Basic Education, Adult Secondary Education, and English as a Second											
25-3011	Language Instructors	38,007	48,072	47,057	Yes	No	No	Bachelor's degree	No		No	No
25-3021 25-3031	Self-Enrichment Teachers Substitute Teachers, Short-Term	23,128 27,968	44,479 31,993	58,919 30,614	No No	No No	Yes No	Some college, no degree Bachelor's degree	No No		Yes No	Yes No
25-3041	Tutors	27,968	40.887	48.112	No No	No.	No No	Bachelor's degree	No.		No No	No No
25-3099	Teachers and Instructors, All Other	23,858	51,348	58,534	No	No	No	Bachelor's degree	No		No	No
25-3099	Archivists	23,838	45.690	58,534	No No	No No	No	Master's degree	No.		No No	No No
25-4012	Curators	27,134	47,060	48.093	No	No	No	Master's degree	No		No	No
25-4013	Museum Technicians and Conservators	29.048	45.845	54.657	No	No	No	Bachelor's degree	No		No	No
25-4022	Librarians and Media Collections Specialists	37,376	54,508	62,129	Yes	Yes	Yes	Master's degree	No		No	No
25-4031	Library Technicians	28,080	36,517	43,530	No	No	No	Associate's degree	No		No	No
25-9021	Farm and Home Management Educators	28,611	46,030	56,600	No	No	No	Master's degree	No		No	No
25-9031	Instructional Coordinators	37,553	63,704	81,179	Yes	Yes	Yes	Master's degree	No		No	No
25-9044	Teaching Assistants, Postsecondary	20,586	31,982	39,793	No	No	No	Bachelor's degree	No		No	No
25-9045	Teaching Assistants, Except Postsecondary	22,425	30,469	31,663	No	No	No	Some college, no degree	No		No	No
25-9099	Educational Instruction and Library Workers, All Other	23,627	47,050	61,545	No	No	Yes	Bachelor's degree	No		No	No
27-1011	Art Directors	51,628	77,414	86,841	Yes	Yes	Yes	Bachelor's degree	Yes		No	No
27-1012	Craft Artists	20,654	33,352	38,462	No	No	No	Some college, no degree	No		No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	26,349	52,003	77,986	No	Yes	Yes	Bachelor's degree	No		No	No
27-1014	Special Effects Artists and Animators	44,971	64,381	73,892	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-1019	Artists and Related Workers, All Other	25,716	49,498	57,561	No	No	No	Some college, no degree	No		Yes	Yes
27-1021	Commercial and Industrial Designers	32,990	74,143	88,154	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-1022	Fashion Designers	36,363	65,664	77,215	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-1023	Floral Designers	27,528	34,006	36,005	No	No	No	High school diploma or equivalent	No		No	No
27-1024	Graphic Designers	32,762	47,322	52,160	Yes	No	No	Bachelor's degree	No		No	No
27-1025	Interior Designers	27,538	56,423	69,691	No	Yes	Yes	Bachelor's degree	No		No	No
27-1026	Merchandise Displayers and Window Trimmers	26,595	34,419	37,662	No	No	No	Some college, no degree	No		No	No
27-1027 27-1029	Set and Exhibit Designers	35,450	44,815	46,399	Yes	No	No	Bachelor's degree	No		No	No
27-1029	Designers, All Other Actors	28,290 29,262	59,485 33,371	73,280 31,175	No No	Yes No	Yes No	Bachelor's degree Some college, no degree	No Yes		No No	No No
27-2011	Producers and Directors	32,404	64,207	77.200	No	Yes	Yes	0: 0	No		No	No
27-2012	Athletes and Sports Competitors	35,728	171,022	164,113	Yes	Yes	Yes	Bachelor's degree Some college, no degree	Yes		Yes	Yes
27-2021	Coaches and Scouts	26.967	66.890	83.058	No	Yes	Yes	Bachelor's degree	No.		No	No
27-2023	Umpires, Referees, and Other Sports Officials	20,615	45.000	45.233	No	No	No	Some college, no degree	No.		Yes	No
27-2031	Dancers	29,262	33,371	31,175	No	No	No	High school diploma or equivalent	No		No	No
27-2032	Choreographers	29,262	33,371	31,175	No	No	No	Some college, no degree	Yes		No	No
27-2041	Music Directors and Composers	32,256	62,793	76,256	No	Yes	Yes	Bachelor's degree	No		No	No
27-2042	Musicians and Singers	29,262	33,371	31,175	No	No	No	Some college, no degree	Yes		No	No
27-2091	Disc Jockeys, Except Radio	21,567	58,970	58,397	No	Yes	No	Bachelor's degree	No		No	No
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	21,567	58,970	58,397	No	Yes	No	Some college, no degree	No		Yes	Yes
27-3011	Broadcast Announcers and Radio Disc Jockeys	21,567	58,970	58,397	No	Yes	No	Bachelor's degree	No		No	No
27-3023	News Analysts, Reporters, and Journalists	31,056	52,778	66,961	No	Yes	Yes	Bachelor's degree	No		No	No
27-3031	Public Relations Specialists	35,958	61,283	70,566	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-3041	Editors	37,172	73,568	86,477	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-3042	Technical Writers	40,378	69,084	84,756	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-3043	Writers and Authors	34,387	57,105	64,193	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-3091	Interpreters and Translators	23,982	50,084	56,922	No	No	No	Bachelor's degree	No		No	No
27-3092	Court Reporters and Simultaneous Captioners	27,183	49,250	61,399	No	No	Yes	Postsecondary nondegree award	No		Yes	Yes
27-3099	Media and Communication Workers, All Other	20,547	45,884	56,784	No	No	No	Associate's degree	No		No	No
27-4011	Audio and Video Technicians	30,655	53,641	63,053	No	Yes	Yes	Associate's degree	No		No	Yes
27-4012	Broadcast Technicians	21,980	38,523	51,531	No	No	No	Associate's degree	No		No	No
27-4014	Sound Engineering Technicians	26,269	65,829	97,956	No	Yes	Yes	Associate's degree	No		Yes	Yes
27-4015	Lighting Technicians Photographers	29,135	47,876	58,921	No No	No	Yes	Associate's degree	No		No	No
27-4021 27-4031	Photographers Comers Operators Television Video and Film	24,546	40,993	47,744	No	No	No	Some college, no degree	No		No	No
27-4031 27-4032	Camera Operators, Television, Video, and Film	29,534 36,045	57,367 49.421	63,361 56,263	No Yes	Yes No	Yes No	Bachelor's degree	No No		No No	No
27-4032 27-4099	Film and Video Editors Modia and Communication Equipment Workers All Other	36,045 27,124	49,421 65,372	56,263 89,941	Yes No	No Yes	No Yes	Bachelor's degree	No No		No Yes	No Yes
47-4099	Media and Communication Equipment Workers, All Other Chiropractors		80,560					Associate's degree				
	Ciliopiactors	39,927		96,098	Yes	Yes	Yes	Doctoral or professional degree Doctoral or professional degree	No		No	No Yes
29-1011	Pantists Conoral											
29-1011 29-1021	Dentists, General	78,000	154,991	180,497	Yes	Yes	Yes Vos*		Yes		Yes	
29-1011 29-1021 29-1022	Oral and Maxillofacial Surgeons	51,033	220,832	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1011 29-1021				180,497 * 206,832 204,533								

Wages - Workforce Re May 2022	egion 20	A	/ages (\$) by Occupat	u	W M	F d- All d	Occupation Metric	1		14/ 844-	F d- Ed	tional Level Metric
way 2022			Average Annual	High-Level Wage	Representative	Average Anni				esentative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		ing Wage	Wage	Threshold
29-1031 29-1041	Dietitians and Nutritionists	48,132	65,000	74,302	Yes	Yes	Yes	Bachelor's degree	Yes		No	No
29-1041	Optometrists Pharmacists	53,168 65,957	120,581 117.318	167,029 136,087	Yes Yes	Yes Yes	Yes Yes	Doctoral or professional degree	No No		No No	Yes No
29-1051	Physician Assistants	38.911	97.607	130,087	Yes	Yes	Yes	Doctoral or professional degree Master's degree	No		Yes	Yes
29-1071	Podiatrists	29,872	134.971	181.314	No	Yes	Yes	Doctoral or professional degree	No		No	Yes
29-1122	Occupational Therapists	61.520	91.021	100,929	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-1123	Physical Therapists	57,651	92,927	105,126	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
29-1124	Radiation Therapists	75,556	89,442	102,319	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-1125	Recreational Therapists	29,602	52,733	61,331	No	Yes	Yes	Bachelor's degree	No		No	No
29-1126	Respiratory Therapists	61,315	66,042	74,227	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-1127	Speech-Language Pathologists	51,208	82,595	98,474	Yes	Yes	Yes	Master's degree	No		Yes	Yes
29-1128	Exercise Physiologists	38,491	51,538	55,113	Yes	No	No	Master's degree	No		No	No
29-1129	Therapists, All Other	34,917	54,780	58,458	Yes	Yes	No	Bachelor's degree	No		No	No
29-1131	Veterinarians	50,558	109,075	128,507	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
29-1141	Registered Nurses	57,606	76,687	81,818	Yes	Yes	Yes	Bachelor's degree	Yes		No	No
29-1151 29-1161	Nurse Anesthetists	148,534	185,085	200,298	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-1161	Nurse Midwives Nurse Practitioners	61,321	94,906	109,022 135,343	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-11/1	Audiologists	98,463 60,223	119,824 92,322	,.	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-1211	Anesthesiologists	101,036	291,431	104,368	Yes Yes	Yes	Yes Yes*	Doctoral or professional degree Doctoral or professional degree	No Yes		No Yes	No Yes*
29-1212	Cardiologists	183,645	334,072	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1212	Dermatologists	60,495	252,561	*	Yes	Yes	Yes*	Doctoral or professional degree Doctoral or professional degree	No.		Yes	Yes*
29-1213	Emergency Medicine Physicians	81.870	338.414	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1214	Family Medicine Physicians	131.324	256.832	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1216	General Internal Medicine Physicians	205,450	232,091	222,164	Yes	Yes	Yes	Doctoral or professional degree	Yes		Yes	Yes
29-1217	Neurologists	90,690	266,920	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1218	Obstetricians and Gynecologists	143,172	274,211	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1221	Pediatricians, General	167,228	210,515	231,440	Yes	Yes	Yes	Doctoral or professional degree	Yes		Yes	Yes
29-1222	Physicians, Pathologists	63,564	244,663	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1223	Psychiatrists	44,078	209,233	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1224	Radiologists	49,430	295,754	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1229	Physicians, All Other	94,899	243,674	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1241	Ophthalmologists, Except Pediatric	99,103	213,322	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1242 29-1243	Orthopedic Surgeons, Except Pediatric	202,758	329,766	-	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1243	Pediatric Surgeons Surgeons, All Other	63,148 63.148	311,298 311,298		Yes Yes	Yes	Yes* Yes*	Doctoral or professional degree	No No		Yes	Yes* Yes*
29-1245	Acupuncturists	28,174	49,119	53,034	No	No	No No	Doctoral or professional degree Master's degree	No		No	No No
29-1292	Dental Hygienists	39.250	72.077	79,705	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-1299	Healthcare Diagnosing or Treating Practitioners, All Other	30,719	53,899	69,851	No	Yes	Yes	Master's degree	No		No	No
29-2010	Clinical Laboratory Technologists and Technicians	36.339	53,503	71.006	Yes	Yes	Yes	Associate's degree	No		No	Yes
29-2031	Cardiovascular Technologists and Technicians	31,105	57,015	78,201	No	Yes	Yes	Associate's degree	No		Yes	Yes
29-2032	Diagnostic Medical Sonographers	57,758	71,138	78,098	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-2033	Nuclear Medicine Technologists	47,879	78,710	91,307	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-2034	Radiologic Technologists and Technicians	44,122	59,529	63,228	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	49,485	69,230	77,970	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-2036	Medical Dosimetrists	98,141	124,158	138,021	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
29-2042	Emergency Medical Technicians	29,272	40,799	47,230	No	No	No	Postsecondary nondegree award	No		No	No
29-2043	Paramedics	39,799	59,505	79,007	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
29-2051	Dietetic Technicians	27,381	29,644	28,984	No	No	No	Associate's degree	No		No	No
29-2052 29-2053	Pharmacy Technicians	30,247	37,590	39,935	No	No	No	Postsecondary nondegree award	No		No	No
29-2055	Psychiatric Technicians Surgical Technologists	28,503 39,089	39,063 52,208	45,581 58,995	No Yes	No Yes	No Yes	Postsecondary nondegree award Postsecondary nondegree award	No Yes		No Yes	No Yes
29-2056	Veterinary Technologists and Technicians	28,880	36,401	38,125	No	No	No	Associate's degree	No		No	No
29-2057	Ophthalmic Medical Technicians	29,292	44.461	50,790	No No	No.	No.	Postsecondary nondegree award	No.		No	No.
29-2061	Licensed Practical and Licensed Vocational Nurses	41.182	51,570	57,398	Yes	No	No	Postsecondary nondegree award	Yes		Yes	Yes
29-2072	Medical Records Specialists	30.890	44.890	50,507	No	No	No	Postsecondary nondegree award	No		No	No
29-2081	Opticians, Dispensing	30,139	51,183	61,082	No	No	Yes	Postsecondary nondegree award	No		Yes	Yes
29-2091	Orthotists and Prosthetists	41,425	81,101	94,284	Yes	Yes	Yes	Master's degree	No		No	No
29-2092	Hearing Aid Specialists	30,683	51,694	52,225	No	No	No	Postsecondary nondegree award	No		Yes	No
29-2099	Health Technologists and Technicians, All Other	31,294	43,861	52,028	No	No	No	Postsecondary nondegree award	No		No	No
29-9021	Health Information Technologists and Medical Registrars	29,869	58,619	77,385	No	Yes	Yes	Postsecondary nondegree award	No		Yes	Yes
29-9091	Athletic Trainers	39,071	53,010	60,548	Yes	Yes	Yes	Bachelor's degree	No		No	No
29-9092	Genetic Counselors	49,974	86,240	100,045	Yes	Yes	Yes	Master's degree	No		Yes	Yes
29-9093	Surgical Assistants	45,519	50,832	49,777	Yes	No	No	Postsecondary nondegree award	Yes		Yes	No
29-9099	Healthcare Practitioners and Technical Workers, All Other	28,101	70,039	70,790	No No	Yes No	Yes No	Postsecondary nondegree award	No		Yes	Yes
31-1120 31-1131	Home Health and Personal Care Aides Nursing Assistants	22,247	27,916	29,996				High school diploma or equivalent	No		No	No No
31-1131	Orderlies	25,050 27.695	32,026 30.457	34,871 31.424	No No	No No	No No	Postsecondary nondegree award	No No		No No	No No
31-1132	Psychiatric Aides	26,469	30,457	31,424	No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No No		No No	No No
31-2011	Occupational Therapy Assistants	59.217	66.018	72.083	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
31-2012	Occupational Therapy Assistants Occupational Therapy Addes	29,087	54,423	66,373	No	Yes	Yes	Postsecondary nondegree award	No		Yes	Yes
31-2021	Physical Therapist Assistants	45,988	63,123	71,880	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
31-2022	Physical Therapist Aides	22,923	29,031	30,832	No	No	No	Postsecondary nondegree award	No		No	No
31-9011	Massage Therapists	24,608	47,650	51,959	No	No	No	Postsecondary nondegree award	No		Yes	No
31-9091	Dental Assistants	36,830	43,975	47,627	Yes	No	No	Postsecondary nondegree award	Yes		No	No
31-9092	Medical Assistants	31,216	38,701	41,600	No	No	No	Postsecondary nondegree award	No		No	No
31-9093	Medical Equipment Preparers	30,658	43,188	53,839	No	No	No	High school diploma or equivalent	Yes		No	Yes
31-9094	Medical Transcriptionists	29,311	38,585	44,858	No	No	No	Postsecondary nondegree award	No		No	No
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Vay 2022	egion 20	Annual W	ages (\$) by Occupat	ion	Wage M	eets or Exceeds All O	Occupation Metric		Wage	Meets or Exceeds Educ	ational Level Metric
, 2022			Average Annual	High-Level Wage	Representative				Representa		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting W		Threshold
31-9095	Pharmacy Aides	23,704	30,234	35,664	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	26,463	32,519	35,510	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	31,012	37,505	38,136	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	25,297	40,609	46,695	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	40,900	52,626	51,490	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	70,117	92,696	97,585	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	77,310	101,798	118,505	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1091	First-Line Supervisors of Security Workers	32,240	49,611	59,561	No	No	Yes	Bachelor's degree	No	No	No
33-1099	First-Line Supervisors of Protective Service Workers, All Other	40,186	60,143	69,701	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	37,694	60,640	74,146	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	44,738	59,457	61,914	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	54,074	88,921	100,385	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3011	Bailiffs	28,348	53,792	63,352	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
33-3012	Correctional Officers and Jailers	32,053	43,175	46,205	No	No	No	High school diploma or equivalent	Yes	No	No
33-3021	Detectives and Criminal Investigators	46,168	78,470	93,346	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	26,269	28,484	28,650	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	30,845	39,569	41,182	No	No	No	High school diploma or equivalent	Yes	No	No
33-3051	Police and Sheriff's Patrol Officers	45,858	61,820	74,914	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	58,018	72,085	59,164	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
33-9011	Animal Control Workers	35,232	44,571	48,144	Yes	No	No	Postsecondary nondegree award	Yes	No	No
33-9021	Private Detectives and Investigators	29,339	59,613	81,908	No	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	27,561	34,615	37,519	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	23,083	30,895	31,669	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	25,958	30,419	31,518	No	No	No	No formal educational credential	Yes	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	21,307	25,749	27,275	No	No	No	No formal educational credential	No	No	No
33-9093	Transportation Security Screeners	29,519	41,099	47,611	No	No	No	High school diploma or equivalent	No	No	No
33-9094	School Bus Monitors	22,433	27,607	31,033	No	No	No	High school diploma or equivalent	No	No	No
33-9099	Protective Service Workers, All Other	21,745	38,381	44,248	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	36,317	59,603	67,769	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	27,719	39,817	46,107	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	22,408	26,468	28,727	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	24,878	32,991	35,683	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2013	Cooks, Private Household	31,428	57,182	70,463	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
35-2014	Cooks, Restaurant	27,521	33,144	36,208	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	21,961	29,883	33,798	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	27,210	33,375	35,005	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	23,538	30,682	34,714	No	No	No	No formal educational credential	No	No	Yes
35-3011	Bartenders	21,109	34,255	37,793	No	No	No	No formal educational credential	No	Yes	Yes
35-3023	Fast Food and Counter Workers	21,854	24,986	26,828	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	20,825	32,422	36,018	No	No	No	No formal educational credential	No	Yes	Yes
35-3041	Food Servers, Nonrestaurant	22,655	27,855	29,492	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	20.800	27.793	31,535	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	22,034	26,618	28,683	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	21,340	27,894	29,045	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	21,990	27,974	28,349	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	30,648	46,850	56,319	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	35,563	51,889	61,719	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	23,241	29,591	31,609	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	23,033	28,337	29,437	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	20,800	29,405	33,747	No	No	No	No formal educational credential	No	No	No
37-2021	Pest Control Workers	30,643	41,257	46,377	No	No	No	High school diploma or equivalent	Yes	No	No
37-3011	Landscaping and Groundskeeping Workers	25,347	33,223	35,849	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	28,948	38,825	41,633	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	25,283	36,116	45,661	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	28,271	37,714	37,451	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	32,060	56.085	68.831	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
	First-Line Supervisors of Entertainment and Recreation Workers, Except	,3	,	,	1				1 1		
39-1014	Gambling Services	31.163	51.941	60.733	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1022	First-Line Supervisors of Personal Service Workers	30,596	45,594	53,654	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	28,399	35,373	38,728	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	23,316	29,987	30,232	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	20,858	34.197	46.185	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	20,838	27,785	29.893	No	No	No	High school diploma or equivalent	No.	No	No
39-3019	Gambling Service Workers, All Other	20,207	31.467	36.587	No	No	No	High school diploma or equivalent	No.	No	No
39-3021	Motion Picture Projectionists	30,913	37,364	41,775	No	No	No	No formal educational credential	Yes	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	21,130	25,422	27,269	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	21,149	27,339	30.691	No	No	No	No formal educational credential	No.	No	No
39-3092	Costume Attendants	25,123	40,356	46,962	No	No	No	High school diploma or equivalent	No	No	No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	21,375	30.491	32.813	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	22,626	28,164	28,212	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	31.739	45.359	50.819	No	No	No	Associate's degree	No	No	No
39-4012	Crematory Operators	30,194	38,481	45,991	No	No	No	High school diploma or equivalent	Yes	No	No
39-4012	Funeral Attendants	24.082	33,096	35.264	No.	No	No.	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	33,710	63,490	80,431							Yes
39-4031	Barbers				Yes No	Yes	Yes No	Associate's degree	No No	Yes	
39-5012	Hairdressers, Hairstylists, and Cosmetologists	21,218 22,894	32,817 35,692	36,227 44,796	No No	No No	No No	Postsecondary nondegree award	No No	No No	No No
39-5012	Makeup Artists, Theatrical and Performance	22,894	35,092	44,796	INO	INO	NO	Postsecondary nondegree award	INO	NO	INU
	Manicurists and Pedicurists Manicurists and Pedicurists	23,573	33,324	35,717	No	No	No	Postsecondary nondegree award	No	No	No
39-5092							NO				

Wages - Workforce Re	egion 20											
May 2022			ages (\$) by Occupat Average Annual	High-Level Wage	Representative	Average Annu	Occupation Metric ual High-Level Wage		Rei	wage Meets presentative	Average Annua	tional Level Metric al High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		rting Wage	Wage	Threshold
	·											
39-5093	Shampooers	20,800	26,908	30,577	No	No	No	High school diploma or equivalent	No		No	No
39-5094	Skincare Specialists	25,192	42,751	49,672	No	No	No	Postsecondary nondegree award	No		No	No
39-6011 39-6012	Baggage Porters and Bellhops	21,004 24.667	28,824 32,394	33,468 36.819	No No	No No	No No	High school diploma or equivalent	No		No No	No No
39-6012	Concierges Tour and Travel Guides	,	. ,					High school diploma or equivalent	No			
39-9011	Childcare Workers	20,800 22,626	49,249 27.080	80,842 28,909	No No	No No	Yes No	High school diploma or equivalent High school diploma or equivalent	No No		Yes No	Yes No
39-9031	Exercise Trainers and Group Fitness Instructors	24,601	57,481	82,072	No	Yes	Yes	Postsecondary nondegree award	No		Yes	Yes
39-9032	Recreation Workers	24,001	33,146	38.270	No	No	No	Bachelor's degree	No		No	No No
39-9041	Residential Advisors	27,130	34,907	39,527	No	No	No	Some college, no degree	Yes		No	No
39-9099	Personal Care and Service Workers, All Other	20,800	28,398	29,930	No	No	No	High school diploma or equivalent	No		No	No
41-1011	First-Line Supervisors of Retail Sales Workers	29,357	49,296	56,837	No	No	No	Some college, no degree	Yes		Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	45,677	92,831	99,733	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
41-2011	Cashiers	21,965	26,481	28,304	No	No	No	No formal educational credential	No		No	No
41-2012	Gambling Change Persons and Booth Cashiers	20,625	32,332	33,497	No	No	No	No formal educational credential	No		Yes	No
41-2021	Counter and Rental Clerks	23,006	34,903	37,650	No	No	No	No formal educational credential	No		Yes	Yes
41-2022	Parts Salespersons	23,198	37,261	41,935	No	No	No	High school diploma or equivalent	No		No	No
41-2031	Retail Salespersons	22,327	32,845	34,884	No	No	No	High school diploma or equivalent	No		No	No
41-3011	Advertising Sales Agents	31,983	67,259	72,517	No	Yes	Yes	Some college, no degree	Yes		Yes	Yes
41-3021	Insurance Sales Agents	35,186	60,802	68,420	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	39,668	69,854	76,858	Yes	Yes	Yes	Bachelor's degree	No		No	No No
41-3041	Travel Agents Sales Representatives of Services, Except Advertising, Insurance, Financial	26,946	42,975	48,170	No	No	No	Some college, no degree	No		Yes	No
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	27.992	62,197	74,380	No	Yes	Yes	Bachelor's degree	No		No	No
-1-3031	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific	21,332	32,137	74,300	140	163	163	Sucheior 3 degree	140		140	NO
41-4011	Products	46,373	98,789	124,552	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
	Sales Representatives, Wholesale and Manufacturing, Except Technical and	40,373	30,703	124,332	163	163	163	Sacricior 3 degree	res		163	163
41-4012	Scientific Products	31.440	70.852	80.291	No	Yes	Yes	Some college, no degree	Yes		Yes	Yes
41-9011	Demonstrators and Product Promoters	20.576	47.691	75,923	No	No	Yes	No formal educational credential	No		Yes	Yes
41-9012	Models	21,354	31,749	34,139	No	No	No	High school diploma or equivalent	No		No	No
41-9021	Real Estate Brokers	42,328	122,186	182,055	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
41-9022	Real Estate Sales Agents	30,986	57,092	61,797	No	Yes	Yes	Postsecondary nondegree award	No		Yes	Yes
41-9031	Sales Engineers	47,390	119,951	156,139	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
41-9041	Telemarketers	23,475	34,398	31,847	No	No	No	High school diploma or equivalent	No		No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	20,946	34,469	48,497	No	No	No	High school diploma or equivalent	No		No	No
41-9099	Sales and Related Workers, All Other	22,462	36,810	36,487	No	No	No	Some college, no degree	No		No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	37,293	62,365	74,295	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	22,600	27,725	30,883	No	No	No	High school diploma or equivalent	No		No	No
43-2021	Telephone Operators	25,317	30,418	33,303	No	No	No	High school diploma or equivalent	No		No	No
43-2099	Communications Equipment Operators, All Other	22,568	47,788	56,046	No	No	No	High school diploma or equivalent	No		Yes	Yes
43-3011	Bill and Account Collectors	34,853	41,976	45,676	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-3021	Billing and Posting Clerks	31,208	41,504	44,949	No	No	No	High school diploma or equivalent	Yes		No	No
43-3031 43-3041	Bookkeeping, Accounting, and Auditing Clerks	27,364	45,130	51,592	No	No	No	Some college, no degree	Yes		Yes	Yes
43-3041	Gambling Cage Workers	21,558	31,137	37,043	No	No	No	High school diploma or equivalent	No		No	No
43-3051	Payroll and Timekeeping Clerks Procurement Clerks	35,679 29.156	47,943 40,796	54,819 47.604	Yes No	No No	No No	Some college, no degree Associate's degree	Yes		Yes No	Yes No
43-3071	Tallars	33,620	37,301	38,098	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-3071	Financial Clerks, All Other	24.433	46.498	53.037	No.	No	No	Some college, no degree	No		Yes	Yes
43-4011	Brokerage Clerks	36,198	53,889	58,484	Yes	Yes	No	Some college, no degree	Yes		Yes	Yes
43-4021	Correspondence Clerks	32,487	36,286	39,443	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-4031	Court, Municipal, and License Clerks	31,216	39,338	43,116	No	No	No	Some college, no degree	Yes		No	No
43-4041	Credit Authorizers, Checkers, and Clerks	28,047	42,435	49,459	No	No	No	Some college, no degree	Yes		No	Yes
43-4051	Customer Service Representatives	25,730	36,550	39,392	No	No	No	High school diploma or equivalent	No		No	No
43-4061	Eligibility Interviewers, Government Programs	27,040	34,425	37,519	No	No	No	High school diploma or equivalent	No		No	No
43-4071	File Clerks	24,983	37,931	45,625	No	No	No	High school diploma or equivalent	No		No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	24,037	29,296	30,116	No	No	No	High school diploma or equivalent	No		No	No
43-4111	Interviewers, Except Eligibility and Loan	28,229	39,625	46,970	No	No	No	High school diploma or equivalent	No		No	No
43-4121	Library Assistants, Clerical	27,739	32,950	39,290	No	No	No	Some college, no degree	Yes		No	No
43-4131	Loan Interviewers and Clerks	30,299	45,039	51,101	No	No	No	High school diploma or equivalent	Yes		Yes	No
43-4141	New Accounts Clerks	39,684	48,194	49,625	Yes	No	No	High school diploma or equivalent	Yes		Yes	No
43-4151	Order Clerks	26,062	39,629	49,610	No	No	No	High school diploma or equivalent	No		No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	32,385	42,542	47,607	No	No	No	Associate's degree	No		No	No
43-4171	Receptionists and Information Clerks	23,788	32,593	36,875	No	No	No	High school diploma or equivalent	No		No	No
43-4181 43-4199	Reservation and Transportation Ticket Agents and Travel Clerks Information and Record Clerks, All Other	25,221 30.146	40,723 43,283	49,031 49,567	No No	No No	No No	High school diploma or equivalent	No Yes		No No	No No
43-4199	Cargo and Freight Agents	30,146 30,213	43,283 52.842	49,567 77,770	No No			High school diploma or equivalent	Yes			No Yes
43-5011 43-5021	Cargo and Freight Agents Couriers and Messengers	30,213 27,671	52,842 34,259	77,770 35,280	No No	Yes	Yes No	High school diploma or equivalent High school diploma or equivalent	Yes No		Yes No	Yes No
43-5021	Public Safety Telecommunicators	32,054	34,259 46,542	49,157	No No	No No	No No		Yes		Yes	No No
43-5031	Dispatchers, Except Police, Fire, and Ambulance	32,054 29,437	46,542	49,157 50.655	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	Yes No		Yes No	No No
43-5032	Meter Readers, Utilities	29,890	42,706	48,901	No	No	No	High school diploma or equivalent	Yes		No	No
43-5051	Postal Service Clerks	39,770	57.848	68.307	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5052	Postal Service Ciercs Postal Service Mail Carriers	39,645	55,058	71,344	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5052	Postal Service Mail Sorters, Processors, and Processing Machine Operators	51,168	59,789	68.307	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	31,112	46,380	50,856	No	No	No	Some college, no degree	Yes		Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	24,960	36,440	40,691	No	No	No	High school diploma or equivalent	No		No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	36,102	41,841	46,070	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	37,582	57,421	65,396	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	32,874	44,699	47,278	Yes	No	No	Some college, no degree	Yes		Yes	No
43-6013	Medical Secretaries and Administrative Assistants	29,590	37,332	39,731	No	No	No	Some college, no degree	Yes		No	No
	l .	•			-							

Representative Average Annual High-Level Wage Representative Average Annual High-Level Wage Representative Average Annual	Vages - Workforce Re Vay 2022	egion 20	Annual M	lagas (¢) by Ossupa	tion	1 14/	ago Moote or Even	ads All Ossupation Matris	1		Wage Moets	or Evenode Educa	stional Loyal Matric
Second Second Members Second Seco	viay 2022												
Section Sect	Occupational Code	Occupational Title							Educational Requirement				Threshold
Section Sect													
Section Sect				,		No							No
1965 1966			-, -	. ,	,								No No
1965 1965				,	,					1			No
400 100				-,-	/								No
Section Section Company Comp	43-9051												No
1995 Profession of Services Profession o			26,456			No	No	No	High school diploma or equivalent	No		No	No
Section Section of Section Section Section of S			.,		. ,								No
Second													No
Section Pert Designation of Printing Selling and Forcety Worster March 1920			- 1,1.10	,									No No
Second S													Yes
Second	45-2011												No
Second Process Second Se				36,188		No	No	No	High school diploma or equivalent	No		No	No
Second													No
1920 Formations, from John Andread Aspectation Assemble 1920 192													No
Second Second Second Second Sec													No Yes
March Marc								·					No
66-611 Foreign and Communication Workship 13-277 41,565 44,067 14,068 16,00 16	45-3031												Yes
64-002 Sugary Equipment Operators 27.5 % 35.00 47.36 % 18.00 %	45-4011		31,797			No	No	No	Postsecondary nondegree award	Yes		No	No
1.00 1.00													No
1.000 1.0000													No
Accordance Acc		.0											No
2-2011 Solemanism					-,			·					No Yes
20211 Sectionasses and Sectionasce S2125 42,248 69,252 No. 160 No. 160 No. 160 No. 170		·											Yes
Competent			.,	-,	. ,								No
2-2016 Capiel troubles		Stonemasons	28,319		56,065	No	No	No	High school diploma or equivalent	No		Yes	Yes
20-2022 Flore Layers, Laper Capedity Wood, and start Ties 30,259 41,137 43,659 10													No
2-7-20-24 Tool Sunfers and Finalment 23-256 33-257 3-7-254 10			,	,	,								Yes
18-204 1			,		-,			·					Yes Yes
2-2033 Commet Maximum and Convecter Finishners 3,127 4,243 4,631 Ver No			,		,								Yes
62-203 Terrazzo Workers and Frinchers 54,129 50,460 56,113 70			,	-,-	, .								Yes
2-2017 Paving, Surfacing, and Tamping Equipment Operators 33,461 46,5812 43,07 45,006 Ves No No High school opporator equivalent No No No High school opporator equivalent No No No High school opporator equivalent Ves Ves No No No High school opporator equivalent Ves Ves No No No No No No No N	47-2053		34,129	50,460	56,133	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
April Price Operator Special Content							No	No	No formal educational credential	Yes		Yes	Yes
2-2073 Operating figureers and Other Construction Equipment Operators 21,861 43,827 48,036 No			-,-	,	,			·					No
27.268 Dywal and Celling Tile Intalleles 21,891 36,739 47,560 No													No
47-2012 Tapers													No Yes
Procession Pro													Yes
47-21.21 Glasiers 28,137 41,915 49,306 No No No High school diploman or equivalent No No No Ar-21.22 Insulation Workers, Mechanical 35,372 47,633 43,769 No No No No High school diploman or equivalent Yes Yes Ar-21.22 Partiers, Construction and Maritenance 28,229 88,497 43,260 No	47-2111	Electricians											Yes
A7-2132 Insulation Workers, Mechanical 35,372 47,633 49,576 Ves No No No No No No No N		Glaziers	28,137	41,915		No	No	No		No		No	No
47-2141 Painters, Construction and Maintenance 28,829 38,497 43,760 No													No
A7-2142 Paperhargers		·											No
47-2151 Pipelhyers Pipelh			-,	, -	-,								Yes
A7-2152 Plumbers, Pipelitters, and Stsemfitters 31,250 46,554 54,848 No								·					Yes Yes
47-2151 Plasterers and Stucco Missons 22,499 39,694 47,047 Ves No No No No No No No N													Yes
47-2111 Reinforcing fron and Rebar Workers 34,245 45,592 53,520 Ves No No High school diploman or equivalent Ves Yes 47-2211 Sheet Metal Workers 32,367 44,263 49,791 63,757 No No No No High school diploman or equivalent Ves Yes 47-2221 Sheet Metal Workers 31,933 44,763 49,791 63,757 No No No No High school diploman or equivalent Ves No No No No High school diploman or equivalent Ves No No No No No No No High school diploman or equivalent Ves No No No No No No No N									, ,				Yes
47-2211 Sheet Metal Workers 32,367 44,263 49,295 No		Reinforcing Iron and Rebar Workers						No	High school diploma or equivalent			Yes	Yes
47-221 Structural Iron and Stell Workers 31,933 49,791 63,757 No		****											Yes
47-2311 Solar Photovoltaic Installers Solar Photovoltaic			. ,	,	-,								No
47-3012 HelpersCirkmasons, Blockmasons, Stonemasons, and Tile and Marble Setters 20,800 32,578 36,082 No			. ,	-, -	, .								Yes No
47-3012 Helpers-Carpenters 24,098 31,732 35,154 No													Yes
47-3014 NelpersPainters, Paperhangers, Plasterers, and Stucco Masons 28,696 32,054 32,694 No								·					Yes
47-3015 NelpersPipelayers, Plumbers, Pipelitters, and Steamfitters 27,185 35,534 36,211 No	47-3013	HelpersElectricians	28,985	35,726	37,209	No	No	No	High school diploma or equivalent	No		No	No
47-3016 Nelpers-Roofers 29.028 33,217 37,432 No			28,696	32,054	32,694	No	No	No	No formal educational credential	Yes		Yes	No
47-3019 Helpers, Construction Trades, All Other 24,539 36,164 39,822 No													No
47-4011 Construction and Building Inspectors													Yes
47-4021 Elevator and Escalator Installers and Repairers 38,486 74,478 108,367 74,788 108,367 74,788 74,788 74,788 74,788 74,788 74,788 74,788 74,788 74,788 74,7491 74,749				,	/								Yes Yes
47-4031 Fence Erectors 48,641 38,010 43,091 43,091 47,4031 47,4031 47,4031 47,4031 47,4031 47,4031 47,4051 4			-, -	. ,	,				, ,				Yes
47-4051 Hayardous Materials Removal Workers 30,844 41,190 46,280 No No No No High school diploma or equivalent Yes No					,								Yes
47-4051 Highway Maintenance Workers		Hazardous Materials Removal Workers		41,190	46,280	No	No	No	High school diploma or equivalent	Yes		No	No
47-4071 Septic Tank Servicers and Sewer Pipe Cleaners 30,292 43,947 47,642 No No No No High school diploma or equivalent Yes No A7-4090 Miscellaneous Construction and Related Workers 29,887 40,830 43,826 No No No No High school diploma or equivalent Yes No No No No High school diploma or equivalent Yes No No No No High school diploma or equivalent Yes No No No No High school diploma or equivalent Yes No No No No High school diploma or equivalent Yes No No No No Formal educational credential Yes Yes No No formal educational credential Yes Yes Yes No No No High school diploma or equivalent Yes Yes No No No High school diploma or equivalent Yes Yes No No No High school diploma or equivalent Yes Yes Yes No No No High school diploma or equivalent Yes Yes Yes Yes Yes Yes No No No High school diploma or equivalent Yes			,	. ,	,.			·	High school diploma or equivalent				No
47-4090 Miscellaneous Construction and Related Workers 29,887 40,830 43,826 47.5011 Derrick Operators, Oil and Gas 52,451 54,812 7.5012 5.6016 5.6016 5.752 60,660 7.5012 5.6016 5.6016 5.752 5.6016 5.6016 5.752 5.6016 5													Yes
47-5011 Derrick Operators, Oil and Gas 47-5012 Rotary Drill Operators, Oil and Gas 47-5013 Service Unit Operators, Oil and Gas 52,752 60,660 Yes Yes No No formal educational credential Yes Yes 47-5014 Revarding and Loading Machine and Dragline Operators, Surface Mining 47-5015 Excavating and Loading Machine and Dragline Operators, Surface Mining 47-5016 Exervice Unit Operators, Oil and Gas 47-5017 Service Unit Operators, Oil and Gas 47-5018 Exervice Unit Operators, Oil and Gas 47-5018 Exervice Unit Operators, Oil and Gas 47-5019 High school diploma or equivalent 47-5019 Explosives Workers, Ordnance Handling Experts, and Blasters 47-5019 Explosives Workers, Ordnance Handling Experts, and Blasters 47-5019 President And Case 47-5019 President													No No
47-5012 Rotary Drill Operators, Oil and Gas 39,773 52,451 54,812 Yes Yes No No formal educational credential Yes Yes 47-5013 Service Unit Operators, Oil and Gas 36,266 52,752 60,660 Yes Yes Yes No formal educational credential Yes Yes 47-5022 Exevasting and Loading Machine and Dragline Operators, Surface Mining 37,559 48,778 58,413 Yes No No No High school diploma or equivalent Yes Yes 47-5022 Explosives Workers, Ordnance Handling Experts, and Blasters 35,792 48,520 53,546 Yes No No No High school diploma or equivalent Yes Yes 47-5032 Explosives Workers, Ordnance Handling Experts, and Blasters 51,645 68,850 79,352 Yes Yes Yes High school diploma or equivalent Yes Yes			29,887	40,830	43,826	INO	NO	INU	nign school diploma or equivalent	Yes		NO	No
47-5013 Service Unit Operators, Oil and Gas 36,266 52,752 60,660 Yes Yes Yes No formal educational credential Yes Yes 47-5022 Excavating and Loading Machine and Dragline Operators, Surface Mining 37,599 48,778 58,413 Yes No No High school diploma or equivalent Yes Yes 47-5022 Explosives Workers, Ordnance Handling Experts, and Blasters 35,792 48,620 53,546 Yes No No High school diploma or equivalent Yes Yes 47-5032 Explosives Workers, Ordnance Handling Experts, and Blasters 51,645 68,850 79,352 Yes Yes Yes High school diploma or equivalent Yes Yes			39.773	52.451	54.812	Yes	Yes	No	No formal educational credential	Yes		Yes	Yes
47-5022 Excavating and Loading Machine and Dragline Operators, Surface Mining 37,559 48,778 58,413 Yes No No High school diploma or equivalent Yes Yes 47-5023 Earth Drillers, Except Oil and Gas 35,792 48,620 53,546 Yes No No No High school diploma or equivalent Yes Yes 47-5023 Explosives Workers, Ordnance Handling Experts, and Blasters 51,645 68,850 79,352 Yes Yes Yes High school diploma or equivalent Yes Yes			, .										Yes
47-5032 Explosives Workers, Ordnance Handling Experts, and Blasters 51,645 68,850 79,352 Yes Yes Yes High school diploma or equivalent Yes Yes			37,559	48,778									Yes
													Yes
47-5041 Continuous Mining Machine Operators 27,115 34,803 36,441 No No No No No formal educational credential Yes Yes													Yes
	47-5041	Continuous Mining Machine Operators	27,115	34,803	36,441	No	No	No	No formal educational credential	Yes		Yes	Yes

Wages - Workforce Re Way 2022	55.011.20	Annual W	ages (\$) by Occupat	tion	Wage Meet	s or Exceeds All C	Occupation Metric		Wage N	Meets or Exceeds Educ	ational Level Metric
,			Average Annual	High-Level Wage	Representative	Average Annu			Representat		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wa		Threshold
									ļ. ļ		
47-5043	Roof Bolters, Mining										
47-5044 47-5049	Loading and Moving Machine Operators, Underground Mining										
47-5049 47-5051	Underground Mining Machine Operators, All Other Rock Splitters, Quarry	35.848	65,032	86.745	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Roustabouts, Oil and Gas	33,235	48,060	59.398	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-5071	HelpersExtraction Workers	28.552	34.119	37,432	No No	No	No No	High school diploma or equivalent	No.	No	No.
47-5099	Extraction Workers, All Other	27,008	43,552	42,571	No	No	No	High school diploma or equivalent	No	No	No
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	39.520	67.904	80.810	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	28,154	40,094	43,274	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	40,128	52,800	57,728	Yes	Yes	No	Associate's degree	Yes	No	No
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	45,497	66,564	82,036	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	37,276	66,528	76,243	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	29,912	44,330	49,556	No	No	No	High school diploma or equivalent	Yes	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	38,938	54,657	61,807	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	37,888	50,967	62,087	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	38,802	74,271	96,110	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	35,650	45,347	46,842	Yes	No	No	Postsecondary nondegree award	Yes	No	No
49-2097	Audiovisual Equipment Installers and Repairers	37,279	44,540	47,529	Yes	No	No	Postsecondary nondegree award	Yes	No	No
49-2098 49-3011	Security and Fire Alarm Systems Installers	30,721	45,027	52,067	No V	No	No	Postsecondary nondegree award	No No	No.	No
49-3011	Aircraft Mechanics and Service Technicians	34,453	54,274	63,590 45,365	Yes	Yes	Yes	Associate's degree	No	No No	Yes
49-3022	Automotive Body and Related Repairers Automotive Glass Installers and Repairers	31,811 29,165	45,323 44,476	45,365 45.089	No No	No No	No No	Postsecondary nondegree award High school diploma or equivalent	Yes No	No No	No No
49-3023	Automotive Glass Installers and Repairers Automotive Service Technicians and Mechanics	29,165	44,476	45,089 61.122	No No	No No	Yes	High school diploma or equivalent	No No	No Yes	No Yes
49-3023	Bus and Truck Mechanics and Diesel Engine Specialists	28,652 37.882	48,545 55.453	64,535			Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	31,680	47,253	54,912	Yes No	Yes No	No No	Postsecondary nondegree award High school diploma or equivalent	Yes	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	45.971	71,416	75.906	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	36,383	52,238	58.086	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	36,767	51,990	61,489	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	28,960	44,689	57,328	No	No	No	High school diploma or equivalent	No	No	Yes
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	29,340	42,727	49,567	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	23,254	38,581	45,760	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	29,708	47,234	59,563	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	28,080	32,982	34,050	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	30,311	44,728	52,811	No	No	No	High school diploma or equivalent	Yes	No	Yes
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	31,425	42,499	48,577	No	No	No	Postsecondary nondegree award	No	No	No
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	31,806	47,485	57,376	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	29,620	40,746	47,598	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	37,292	53,235	60,808	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	31,065	50,500	61,689	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9044	Millwrights	39,666	54,355	64,168	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	25,414	33,682	37,034	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	38,681	66,139	84,910	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052 49-9061	Telecommunications Line Installers and Repairers	33,022	49,122	60,077	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9062	Camera and Photographic Equipment Repairers Medical Equipment Repairers	39,103 31,694	51,966 48,528	57,969 49.139	Yes	Yes	No No	Associate's degree	Yes	No	No
49-9063	Musical Instrument Repairers and Tuners	27,717	48,528	49,139 50,061	No No	No No	No No	Associate's degree	No No	No No	No No
49-9063	Watch and Clock Repairers	24,064	28.630	27.931	No No	No	No	High school diploma or equivalent	No No	No No	No No
49-9069	Precision Instrument and Equipment Repairers, All Other	40,222	66,329	85,921	Yes	Yes	Yes	High school diploma or equivalent High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	26,436	39,178	46,138	No.	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	46,923	66,179	76,719	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	27,246	35,780	37,163	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	38.046	52,252	56.196	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	30,591	45,651	59,580	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9095	Manufactured Building and Mobile Home Installers	21,237	30,029	37,995	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	31,681	44,419	53,572	No	No	No	High school diploma or equivalent	Yes	No	Yes
49-9097	Signal and Track Switch Repairers	45,923	61,535	69,482	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	HelpersInstallation, Maintenance, and Repair Workers	28,512	33,753	36,683	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	28,576	40,459	45,898	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	38,803	63,987	79,121	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	33,125	41,749	48,353	Yes	No	No	Postsecondary nondegree award	Yes	No	No
51-2021	Coil Winders, Tapers, and Finishers	32,293	44,223	47,118	No	No	No	High school diploma or equivalent	Yes	No	No
	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders,								1 1		
51-2028	Tapers, and Finishers	29,585	36,472	40,224	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	32,710	42,231	46,885	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-2041	Structural Metal Fabricators and Fitters	27,151	43,165	52,221	No	No	No	High school diploma or equivalent	No	No	Yes
51-2051	Fiberglass Laminators and Fabricators	29,904	38,058	39,870	No	No	No	High school diploma or equivalent	Yes	No	No
51-2061 51-2090	Timing Device Assemblers and Adjusters Missellaneous Assemblers and Enhistators	35.000	36.151	39.671	- I N-	N-	N-	High sales of distance as a socient	1 1	N-	N-
51-2090	Miscellaneous Assemblers and Fabricators Rakers	25,960 23,379	36,151 31,839	39,671 36,797	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
51-3011	Butchers and Meat Cutters	23,379	31,839	43.978	No No	No No	No No	High school diploma or equivalent No formal educational credential			No Yes
51-3021	Meat, Poultry, and Fish Cutters and Trimmers	29,220	39,195 37,846	43,978	No No	No No	No No	No formal educational credential No formal educational credential	Yes Yes	Yes Yes	Yes
51-3022	Slaughterers and Meat Packers	25,818 25.861	37,846 27.192	40,952 28.222	No No	No No	No No	No formal educational credential No formal educational credential	Yes	Yes No	Yes No
51-3023	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	24,254	29,277	30.318	No	No	No	No formal educational credential	Yes	No	No.
~~~JUJ1	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders  Food Batchmakers	24,254	32.886	36,155	No	No	No	High school diploma or equivalent	No No	No	No
51-3092			32,000	30,133		.40	140		140	140	140
51-3092 51-3093		29 918	33 509		No	No	No	High school diploma or equivalent	Yes	No	No
51-3092 51-3093 51-3099	Food Cooking Machine Operators and Tenders	29,918 26,660	33,509 34.123	35,662	No No	No No	No No	High school diploma or equivalent  No formal educational credential	Yes Yes	No Yes	No Yes
51-3093		29,918 26,660	33,509 34,123		No No	No No	No No	High school diploma or equivalent No formal educational credential	Yes Yes	No Yes	No Yes

Wages - Workforce Ro May 2022	egion zo	Annual W	ages (\$) by Occupat	ion	Wage Meet	s or Exceeds All C	Occupation Metric		Wage Me	ets or Exceeds Educa	ational Level Metric
nay 2022			Average Annual	High-Level Wage	Representative	Average Annu			Representative		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage		Threshold
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	29,485	38,947	44,485	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	29,806	40,735	43,999	No	No	No	High school diploma or equivalent	Yes	No	No
	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and										
51-4031	Plastic	32,901	38,922	39,706	Yes	No	No	High school diploma or equivalent	Yes	No	No
E1 4022	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20.200	54.676	04 007			.,		1 1	.,	.,
51-4032		29,300	54,676	81,227	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	24.888	33,690	35,156	No	No	No	High school diploma or equivalent	No	No	No
31-4033	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and	24,000	33,090	33,130	INO	140	INO	rigii school dipiona of equivalent	NO	INU	INU
51-4034	Plastic	27.144	37.830	46.477	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	34,114	45,302	49,336	Yes	No	No	Postsecondary nondegree award	Yes	No	No
51-4041	Machinists	31,732	49,642	60,679	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	38,044	48,507	49,410	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-4052	Pourers and Casters, Metal	28,999	45,340	54,987	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-4061	Model Makers, Metal and Plastic	32,118	50,586	58,873	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	26,240	49,090	75,855	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-4071	Foundry Mold and Coremakers	22,617	39,064	53,413	No	No	No	High school diploma or equivalent	No	No	Yes
	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders,										
51-4072	Metal and Plastic	27,987	38,648	39,147	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	30,311	36,985	37,412	No	No	No	High school diploma or equivalent	Yes	No	No
51-4111	Tool and Die Makers	30,911	50,916	58,790	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	35,360	47,860	53,040	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	29,675	47,404	59,839	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	32,180	39,114	39,530	No	No	No	High school diploma or equivalent	Yes	No	No
51-4192	Layout Workers, Metal and Plastic	32,992	46,418	51,149	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	29,232	39,113	43,591	No	No	No	High school diploma or equivalent	No	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	26,755	35,800	37,791	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	28,436	37,957	44,524	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	29,243	41,796	44,463	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	28,726	38,403	43,936	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	25,195	30,356	33,074	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	22,178	26,708	29,277	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	24,028	27,614	28,206	No	No	No	No formal educational credential	Yes	No	No
51-6031	Sewing Machine Operators	22,818	32,847	39,057	No	No	No	No formal educational credential	No	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	22,889	32,040	36,169	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	26,299	37,995	44,951	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	21,422	28,951	29,514	No	No	No	No formal educational credential	No	No	No
51-6052	Tailors, Dressmakers, and Custom Sewers	27,785	34,372	36,130	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061 51-6062	Textile Bleaching and Dyeing Machine Operators and Tenders	22,422	26,852	27,445	No No	No	No	High school diploma or equivalent	No	No	No
	Textile Cutting Machine Setters, Operators, and Tenders	26,959 26,813	32,234 30,835	35,372 33,575		No No	No No	High school diploma or equivalent	No No	No	No No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	20,813	30,833	33,373	No	NO	INO	High school diploma or equivalent	INO	No	NO
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	22,607	32,633	37,092	No	No	No	High cabant dialogue as assistated	No	No	No
31-0004	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and	22,007	32,033	37,092	NO	NO	NO	High school diploma or equivalent	NO NO	INO	INO
51-6091	Glass Fibers	32.827	57,192	81.344	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	26,240	49,090	75,855	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6093	Upholsterers	30.795	40,476	44.730	No.	No	No	High school diploma or equivalent	Yes	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	26,580	33,196	37,024	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	29,309	41,898	49,129	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	36,198	44,916	51,173	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-7031	Model Makers, Wood	30,130	44,520	31,173	163	110		Thigh serioof diploma of equivalent	1 103	- 110	- 110
51-7032	Patternmakers, Wood								1		
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	27,562	36,990	38,761	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	26,068	30,198	32,814	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	26,755	31,681	32,021	No	No	No	High school diploma or equivalent	No	No	No
51-8011	Nuclear Power Reactor Operators	47,166	74,417	94,216	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	52,140	86,230	100,764	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	50,618	83,098	98,509	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	46,865	61,205	66,179	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	35,844	52,222	60,820	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	40,648	60,214	65,188	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-8092	Gas Plant Operators	30,117	55,223	64,510	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	47,098	61,127	77,021	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	39,190	56,260	63,070	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	28,999	45,340	54,987	No	No	No	High school diploma or equivalent	No	Yes	Yes
	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,										
51-9012	Operators, and Tenders	27,467	44,910	52,317	No	No	No	High school diploma or equivalent	No	No	Yes
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	29,162	51,724	60,111	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9022	Grinding and Polishing Workers, Hand	31,088	35,927	39,029	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	30,602	41,733	47,338	No	No	No	High school diploma or equivalent	Yes	No	No
51-9031	Cutters and Trimmers, Hand	21,324	34,644	38,918	No	No	No	No formal educational credential	No	Yes	Yes
	Cutting and Slicing Machine Setters, Operators, and Tenders	30,626	42,861	52,819	No	No	No	High school diploma or equivalent	Yes	No	Yes
	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and										
51-9032	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	26,930	37,131	43,892	No	No	No	High school diploma or equivalent	No	No	No
51-9032 51-9041 51-9051		26,930 29,796	37,131 38,161	43,892 42,833	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No Yes	No No	No No
51-9032 51-9041 51-9051 51-9061	Tenders										
51-9032 51-9041 51-9051	Tenders Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	29,796	38,161	42,833	No	No	No	High school diploma or equivalent	Yes	No	No

Wages - Workforce Region 20

May 2022	gion 20	Annual W	ages (\$) by Occupa	tion	Wage Mee	ts or Exceeds All Occi	upation Metric		Wage Meets	or Exceeds Education	nal Level Metric
•			Average Annual	High-Level Wage	Representative	Average Annual			Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
F4 0000											
51-9082 51-9083	Medical Appliance Technicians Ophthalmic Laboratory Technicians	30,671 29,178	48,840 37,639	50,836 41,867	No No	No No	No No	Postsecondary nondegree award High school diploma or equivalent	No No	Yes No	No No
51-9065	Packaging and Filling Machine Operators and Tenders	23,639	37,279	42,719	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	25,865	32,960	37,403	No	No	No	High school diploma or equivalent	No No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	31.086	44,821	49,277	No	No	No	High school diploma or equivalent	Yes	No	No
51-9141	Semiconductor Processing Technicians	36,995	46,554	49,372	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-9151	Photographic Process Workers and Processing Machine Operators	22,743	34,391	37,034	No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	34,472	47,190	50,441	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
51-9162	Computer Numerically Controlled Tool Programmers	48,129	68,584	78,827	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	22,607	32,633	37,092	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	25,317	35,032	45,923	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	26,823	44,456	47,351	No	No	No	High school diploma or equivalent	No	No	No
51-9194 51-9195	Etchers and Engravers  Molders, Shapers, and Casters, Except Metal and Plastic	28,397 30.455	33,866 39.801	37,325 44.425	No No	No No	No No	High school diploma or equivalent	No Yes	No No	No No
51-9195	Paper Goods Machine Setters, Operators, and Tenders	28.348	43,212	44,425 50,907	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	Yes No	No No	No No
51-9197	Tire Builders	28,212	36,509	39,453	No	No	No	High school diploma or equivalent	No No	No	No
51-9198	HelpersProduction Workers	23,473	32,001	36,489	No	No	No	High school diploma or equivalent	No.	No	No.
51-9199	Production Workers, All Other	26,594	36,568	40,577	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	36,781	55,463	60,505	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
	First-Line Supervisors of Transportation and Material Moving Workers, Except			,				Ç,			
53-1047	Aircraft Cargo Handling Supervisors	33,857	56,147	67,998	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	105,825	263,004	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	53,794	127,192	187,235	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	77,681	122,759	152,768	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	28,735	39,621	49,020	No	No	No	Some college, no degree	Yes	No	Yes
53-2031	Flight Attendants	34,207	67,306	76,855	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	25,016	29,786	31,622	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	20,800	33,555	41,255	No	No	No	High school diploma or equivalent	No	No	No
53-3032 53-3033	Heavy and Tractor-Trailer Truck Drivers Light Truck Drivers	32,546	47,247	50,576	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
53-3051	Bus Drivers, School	26,419 25,065	43,146 36,128	48,006 40,874	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No No	No No	No No
53-3052	Bus Drivers, Transit and Intercity	31,306	33,612	34,946	No	No.	No	High school diploma or equivalent	Yes	No	No.
53-3053	Shuttle Drivers and Chauffeurs	24.386	31,015	32,613	No	No	No	High school diploma or equivalent	No.	No	No
53-3054	Taxi Drivers	20,275	30,787	31,030	No	No	No	No formal educational credential	No	No	No
53-3099	Motor Vehicle Operators, All Other	20,894	32,727	36,076	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	54,977	66,781	72,144	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	31,282	52,442	50,518	No	Yes	No	High school diploma or equivalent	Yes	Yes	No
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	38,015	57,484	60,126	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	61,564	69,491	72,192	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	28,387	40,570	50,955	No	No	No	High school diploma or equivalent	No	No	No
53-4099	Rail Transportation Workers, All Other	40,084	40,754	40,094	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-5011	Sailors and Marine Oilers	28,290	44,242	48,808	No	No	No	High school diploma or equivalent	No	No	No
53-5021 53-5022	Captains, Mates, and Pilots of Water Vessels  Motorboat Operators	24,702 29,876	68,879 47,066	80,551 55,120	No No	Yes No	Yes No	Postsecondary nondegree award	No No	Yes Yes	Yes Yes
53-5022	Ship Engineers	70,502	95,489	106,272	Yes	Yes	Yes	Postsecondary nondegree award Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	23,394	31,127	35,343	No	No.	No	High school diploma or equivalent	No.	No	No.
53-6021	Parking Attendants	21,415	28,163	30,927	No	No	No	No formal educational credential	No.	No	No.
53-6031	Automotive and Watercraft Service Attendants	27,227	31,575	35,557	No	No	No	No formal educational credential	Yes	No	Yes
53-6032	Aircraft Service Attendants	28,951	35,916	36,295	No	No	No	High school diploma or equivalent	No	No	No
53-6041	Traffic Technicians	36,121	51,015	52,959	Yes	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	57,090	98,711	107,245	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	20,674	31,661	37,004	No	No	No	High school diploma or equivalent	No	No	No
53-6099	Transportation Workers, All Other	20,207	29,864	31,642	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	28,698	33,643	34,789	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7021	Crane and Tower Operators	35,388	58,192	69,519	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	34,692	45,981	47,885	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
53-7041	Hoist and Winch Operators	31,341	49,109	50,324	No No	No No	No No	No formal educational credential	Yes	Yes	Yes
53-7051 53-7061	Industrial Truck and Tractor Operators  Cleaners of Vehicles and Equipment	30,301 22,207	41,049 28,619	46,984 29,831	No No	No No	No No	No formal educational credential  No formal educational credential	Yes No	Yes No	Yes No
53-7061	Laborers and Freight, Stock, and Material Movers, Hand	24,632	28,619 33,596	29,831 36,758	No No	No No	No No	No formal educational credential  No formal educational credential	Yes	No Yes	No Yes
53-7063	Machine Feeders and Offbearers	24,032	43.206	47.511	No No	No.	No.	No formal educational credential	Yes	Yes	Yes
53-7064	Packers and Packagers, Hand	22,557	25.362	25.337	No	No	No	No formal educational credential	No.	No	No
53-7065	Stockers and Order Fillers	25,150	33,112	36,983	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	29,825	35,576	33,050	No	No	No	High school diploma or equivalent	Yes	No	No
53-7072	Pump Operators, Except Wellhead Pumpers	36,687	44,847	49,575	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-7073	Wellhead Pumpers	29,825	35,576	33,050	No	No	No	High school diploma or equivalent	Yes	No	No
53-7081	Refuse and Recyclable Material Collectors	29,730	40,103	47,396	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	42,124	58,708	59,611	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
53-7199	Material Moving Workers, All Other	28.278	32,458	38,663	No	No	No	No formal educational credential	Yes	Yes	Yes

^{*} indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

## Summary - Workforce Region 20

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
_	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	32,455	51,762	58,794	821
No formal educational credential	23,636	31,690	34,496	82
High school diploma or equivalent	29,667	45,015	51,560	235
Some college, no degree	27,045	42,690	48,475	49
Postsecondary nondegree award	31,613	45,699	52,949	89
Associate's degree	36,387	54,495	61,931	68
Bachelor's degree	44,976	82,770	96,795	183
Master's degree	51,592	81,763	95,695	42
Doctoral or professional degree	71,405	152,343	155,103	73

	Representative	Starting Wage	Average Ar	nual Wage	High-Level Wa	age Threshold
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric
All Occupations	467	354	471	350	471	350
No formal educational credential	42.68%	57.32%	34.15%	65.85%	36.59%	63.41%
High school diploma or equivalent	60.85%	39.15%	76.60%	23.40%	77.45%	22.55%
Some college, no degree	24.49%	75.51%	32.65%	67.35%	34.69%	65.31%
Postsecondary nondegree award	44.94%	55.06%	33.71%	66.29%	41.57%	58.43%
Associate's degree	55.88%	44.12%	45.59%	54.41%	41.18%	58.82%
Bachelor's degree	58.47%	41.53%	60.11%	39.89%	57.92%	42.08%
Master's degree	83.33%	16.67%	64.29%	35.71%	59.52%	40.48%
Doctoral or professional degree	78.08%	21.92%	67.12%	32.88%	63.01%	36.99%

Wages - Workforce Re Way 2022	egion 21	Annual M	ages (\$) by Occupat	tion	Wage Meet	to or Evenode All (	Occupation Metric		1	Wage Moets	or Exceeds Education	al Lovel Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
11-1011	Chief Executives	65,580	236,248	*	Yes	Yes	Yes*	Bachelor's degree		Yes	Yes	Yes*
11-1021	General and Operations Managers	40,912	115,001	142,571	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-1031 11-2011	Legislators	20,800 64.399	79,662 130.357	104,614 143.918	No	Yes	Yes	Bachelor's degree		No	No Yes	No Yes
11-2011	Advertising and Promotions Managers  Marketing Managers	64,399	130,357	143,918	Yes		Yes	Bachelor's degree	-	Yes		
11-2021	Sales Managers	62,855	146,109	180,761	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		Yes Yes	Yes	Yes
11-2032	Public Relations Managers	64,749	111,099	126,479	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2033	Fundraising Managers	75.125	141,475	170.975	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3012	Administrative Services Managers	48,788	111,864	135,690	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3013	Facilities Managers	52,167	102,272	131,008	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	96,563	157,412	175,505	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3031	Financial Managers	80,124	174,132	208,026	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3051	Industrial Production Managers	47,957	113,991	140,354	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3061	Purchasing Managers	76,755	133,511	165,537	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	51,515	106,586	130,537	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	77,357	130,123	167,578	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3121	Human Resources Managers	74,995	129,241	155,190	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3131	Training and Development Managers	69,684	127,118	147,873	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	26,193	96,255	134,478	No	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-9021	Construction Managers	63,858	122,033	132,938	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	31,200	59,338	61,099	No	Yes	No	Bachelor's degree		No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	52,312	103,142	123,323	Yes	Yes	Yes	Master's degree		No	Yes	Yes
11-9033	Education Administrators, Postsecondary	62,230	106,509	110,222	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
11-9039	Education Administrators, All Other	32,240	72,020	80,728	No	Yes	Yes	Master's degree	-	No	No	No
11-9041	Architectural and Engineering Managers	101,974	166,568	202,759	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
11-9051 11-9071	Food Service Managers Gambling Managers	40,147 66.865	80,185 128,355	95,295 129,709	Yes	Yes	Yes	Some college, no degree	-	Yes	Yes	Yes
		,	-,	-,	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
11-9072 11-9081	Entertainment and Recreation Managers, Except Gambling	45,531 49,658	88,232 106,398	103,153 143,796	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		No	No	No Yes
11-9081	Lodging Managers				Yes	Yes	Yes			Yes	Yes	
11-9111	Medical and Health Services Managers Natural Sciences Managers	62,667 43.992	112,845 105,362	129,324 130,686	Yes	Yes	Yes Yes	Bachelor's degree		Yes No	Yes	Yes
11-9131	Postmasters and Mail Superintendents	71,406	100,017	113,755	Yes Yes	Yes	Yes	Bachelor's degree High school diploma or equivalent		Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	71,406 35.095	72.066	80.413	Yes	Yes	Yes	Bachelor's degree		No.	No.	No.
11-9151	Social and Community Service Managers	39.125	76,137	91,062	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9161	Emergency Management Directors	51,341	110.506	133.412	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9171	Funeral Home Managers	48,513	77,169	81,383	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
11-9179	Personal Service Managers, All Other	49,174	74,214	86,187	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
11-9199	Managers, All Other	61.797	130.893	163.756	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	27,030	93,108	161,336	No	Yes	Yes	Bachelor's degree		No	No	Yes
13-1020	Buyers and Purchasing Agents	38.485	67,599	80,746	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	38,972	65,931	78,730	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	53,600	74.548	85,223	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
13-1041	Compliance Officers	39,825	72,531	90,189	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1051	Cost Estimators	36,320	68,661	81,636	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1071	Human Resources Specialists	39,930	75,814	80,622	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1074	Farm Labor Contractors	26,193	96,255	134,478	No	Yes	Yes	No formal educational credential		Yes	Yes	Yes
13-1075	Labor Relations Specialists	26,695	72,308	82,183	No	Yes	Yes	Bachelor's degree		No	No	No
13-1081	Logisticians	40,662	64,274	78,466	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1082	Project Management Specialists	50,854	96,821	115,785	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1111	Management Analysts	37,435	98,765	129,911	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	34,373	56,826	69,912	Yes	No	Yes	Bachelor's degree		No	No	No
13-1131	Fundraisers	37,829	65,302	83,222	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	46,566	72,007	86,333	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1151	Training and Development Specialists	35,801	65,838	80,441	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1161	Market Research Analysts and Marketing Specialists	39,520	102,144	102,535	Yes	Yes	Yes	Bachelor's degree	-	No	Yes	No
13-1199	Business Operations Specialists, All Other	36,415	69,269	80,706	Yes	Yes	Yes	Bachelor's degree	-	No	No No	No No
13-2011 13-2020	Accountants and Auditors	46,950	82,661	97,717	Yes	Yes	Yes	Bachelor's degree	-	No	No	No
	Property Appraisers and Assessors	43,412	66,929	82,707	Yes	Yes	Yes	Bachelor's degree	-	No Voc	No No	No No
13-2031 13-2041	Budget Analysts Credit Analysts	49,205 48,305	77,321 90,979	91,981 109,231	Yes	Yes Yes	Yes	Bachelor's degree	-	Yes	No No	No
13-2041	Financial and Investment Analysts	48,305 55,536	90,979	109,231	Yes Yes		Yes	Bachelor's degree	-	Yes		Yes No
13-2051	Personal Financial Advisors	55,536 39,122	96,788 147,168	103,292 174,144		Yes	Yes Yes	Bachelor's degree	1	Yes No	Yes Yes	No Yes
13-2052	Insurance Underwriters	39,122 48.558	76.829	94,690	Yes Yes	Yes	Yes	Bachelor's degree Bachelor's degree		NO Yes	Yes No	Yes No
13-2054	Financial Risk Specialists	48,558	141.351	134,138	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
13-2054	Financial Examiners	48,550	89.875	112.093	Yes	Yes	Yes	Bachelor's degree		Yes	No.	Yes
13-2001	Credit Counselors	32,297	48.840	49.988	No	No	No	Bachelor's degree		No	No	No
13-2072	Loan Officers	29,136	73.803	96,795	No	Yes	Yes	Bachelor's degree		No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	30,514	55.065	70,533	No	No	Yes	Bachelor's degree		No	No	No
13-2082	Tax Preparers	23,495	47,127	74,616	No	No	Yes	Postsecondary nondegree award		No	No	Yes
13-2099	Financial Specialists, All Other	36,666	72.916	99.635	Yes	Yes	Yes	Bachelor's degree		No	No	No
15-1211	Computer Systems Analysts	53,301	95,942	111,271	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1212	Information Security Analysts	62,406	113,445	131,351	Yes	Yes	Yes	Bachelor's degree	1	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	82,624	149,126	174,584	Yes	Yes	Yes	Master's degree	1	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	47,747	74,368	89,749	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1232	Computer User Support Specialists	32,060	55,282	64,635	No	No	No	Postsecondary nondegree award		No	Yes	Yes
15-1241	Computer Network Architects	64,145	115,541	139,264	Yes	Yes	Yes	Bachelor's degree	1	Yes	Yes	Yes
15-1242	Database Administrators	56,909	108,656	132,563	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1243	Database Architects	87,418	139,200	169,925	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
					-			-i		,		

Wages - Workforce Re May 2022	-0	Annual W	/ages (\$) by Occupat	ion	Wage Meet	s or Exceeds All O	ccupation Metric		т т	Wage Meets	or Exceeds Education	onal Level Metric
, 2022			Average Annual	High-Level Wage	Representative	Average Annua			-	Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	<b>Educational Requirement</b>		Starting Wage	Wage	Threshold
15-1244	Network and Computer Systems Administrators	55,740	93,274	107,762	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
15-1251	Computer Programmers	55,131	93,174	108,873	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
15-1252 15-1253	Software Developers	52,597	112,516	134,303	Yes	Yes	Yes	Bachelor's degree	_	Yes	Yes	Yes
15-1254	Software Quality Assurance Analysts and Testers  Web Developers	49,435 57,091	90,212 71,174	106,711 70,646	Yes Yes	Yes	Yes Yes	Bachelor's degree		Yes	No Yes	No Yes
15-1254	Web and Digital Interface Designers	49,074	71,174 87,780	96,368	Yes	Yes	Yes	Associate's degree Associate's degree		Yes	Yes	Yes
15-1299	Computer Occupations, All Other	49,074 30.095	85,554	110.528	No No	Yes	Yes	Bachelor's degree		No	No No	Yes
15-2011	Actuaries	70,987	130,601	157,395	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2021	Mathematicians	43.348	103.007	141.652	Yes	Yes	Yes	Master's degree		No	Yes	Yes
15-2031	Operations Research Analysts	43,897	81,588	100,904	Yes	Yes	Yes	Bachelor's degree		No	No	No
15-2041	Statisticians	38.688	81.443	97.238	Yes	Yes	Yes	Master's degree		No	No	Yes
15-2051	Data Scientists	60,229	108,415	127,807	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2099	Mathematical Science Occupations, All Other	44,129	90,837	110,029	Yes	Yes	Yes	Bachelor's degree		No	No	Yes
17-1011	Architects, Except Landscape and Naval	20,800	74,635	101,045	No	Yes	Yes	Bachelor's degree		No	No	No
17-1012	Landscape Architects	43,707	66,304	76,719	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1021	Cartographers and Photogrammetrists	52,613	80,739	98,954	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-1022	Surveyors	36,393	68,870	82,911	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2011	Aerospace Engineers	79,473	118,662	131,754	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2021	Agricultural Engineers	43,466	72,268	87,238	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2031	Bioengineers and Biomedical Engineers	50,340	87,962	96,764	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2041 17-2051	Chemical Engineers	73,020 40.262	118,265	145,477 123,793	Yes	Yes	Yes	Bachelor's degree	+	Yes	Yes	Yes
17-2051 17-2061	Civil Engineers	,	95,713	,	Yes	Yes	Yes	Bachelor's degree	+	No	Yes	Yes
17-2061	Computer Hardware Engineers Electrical Engineers	65,223 60,500	115,332 99.686	151,580 125.124	Yes	Yes	Yes	Bachelor's degree	+	Yes	Yes	Yes
17-2071	Electronics Engineers Except Computer	78,674	109,727	130,643	Yes Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes Yes
17-2072	Environmental Engineers	78,674 43.752	90.468	130,643	Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	+	No	Yes No	No Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	63,552	98,018	111,765	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2111	Industrial Engineers	63,579	105,326	128.587	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	51,532	62.382	51.532	Yes	Yes	No	Bachelor's degree		Yes	No	No
17-2131	Materials Engineers	66.098	101.313	117.006	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2141	Mechanical Engineers	63.065	107.015	129.298	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	50,327	104.827	117.908	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2161	Nuclear Engineers	77,971	123,255	158,212	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2171	Petroleum Engineers	72,825	142,280	170,695	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2199	Engineers, All Other	50,294	95,999	122,992	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	44,744	64,466	77,872	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters	50,132	63,495	74,646	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3013	Mechanical Drafters	35,360	54,664	62,421	Yes	No	No	Associate's degree		No	No	No
17-3019	Drafters, All Other	39,686	59,269	64,266	Yes	Yes	No	Associate's degree		No	Yes	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	36,343	69,707	82,439	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	36,456	59,336	72,612	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	42,512	63,428	75,601	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	49,818	77,138	87,130	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	36,005	52,049	59,425	Yes	No	No	Associate's degree		No	No	No
17-3026	Industrial Engineering Technologists and Technicians	44,446	64,709	75,853	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	42,890	60,923	64,897	Yes	Yes	No	Associate's degree		Yes	Yes	No
17-3028 17-3029	Calibration Technologists and Technicians	39,098 36,394	58,530	63,726 74,235	Yes	Yes	No	Associate's degree		No	No	No
17-3029	Engineering Technologists and Technicians, Except Drafters, All Other Surveying and Mapping Technicians	30,394	60,917 47.875	74,235 55.438	Yes No	Yes	Yes No	Associate's degree		No No	Yes	Yes
19-1011	Animal Scientists	40,444	88,474	131,909	Yes	Yes	Yes	Associate's degree Master's degree		No	Yes	Yes
19-1012	Food Scientists and Technologists	36.115	70.729	97.488	Yes	Yes	Yes	Bachelor's degree		No	No	No.
19-1013	Soil and Plant Scientists	62.384	89.388	102,409	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19-1021	Biochemists and Biophysicists	59,491	100.272	129,579	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	No
19-1022	Microbiologists	39.048	65,714	76,918	Yes	Yes	Yes	Master's degree		No	No	No
19-1023	Zoologists and Wildlife Biologists	33,478	46,665	49,462	No	No	No	Master's degree		No	No	No
19-1029	Biological Scientists, All Other	43,680	50,535	52,000	Yes	No	No	Bachelor's degree		No	No	No
19-1031	Conservation Scientists	31,734	64,281	83,200	No	Yes	Yes	Bachelor's degree		No	No	No
19-1032	Foresters	40,509	65,467	77,095	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1041	Epidemiologists	78,649	99,775	106,953	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	No
19-1042	Medical Scientists, Except Epidemiologists	56,834	81,497	81,020	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19-1099	Life Scientists, All Other	61,132	93,882	100,330	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
19-2011	Astronomers	84,421	172,678	242,231	Yes	Yes	Yes	Doctoral or professional degree		Yes	Yes	Yes
19-2012	Physicists	84,421	172,678	242,231	Yes	Yes	Yes	Doctoral or professional degree		Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	67,840	90,977	98,011	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19-2031	Chemists	48,014	76,537	86,879	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19-2032	Materials Scientists	74,635	125,873	147,255	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	36,899	61,749	74,934	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	54,004	90,119	105,713	Yes	Yes	Yes	Bachelor's degree	+	Yes	No	No No
19-2043 19-2099	Hydrologists  Physical Scientists All Other	53,746	63,982	66,665	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19-2099 19-3011	Physical Scientists, All Other	48,223 92,997	127,767 119.619	210,891 149.344	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-3011 19-3022	Economists Survey Researchers	92,997 57,328	119,619	149,344 138,509	Yes	Yes	Yes Yes	Master's degree		Yes	Yes	Yes Yes
19-3022				138,509 167.975	Yes			Master's degree	+			
19-3032 19-3033	Industrial-Organizational Psychologists  Clinical and Counseling Psychologists	80,661	138,812		Yes	Yes	Yes	Doctoral or professional degree	+	Yes	No	Yes
19-3033	Clinical and Counseling Psychologists School Psychologists	37,344 74,618	77,932 91,839	93,849 98,035	Yes	Yes	Yes	Doctoral or professional degree		No	No	No No
	action raychologists	/4,018			Yes	Yes	Yes	Doctoral or professional degree		Yes	No	No No
	Psychologists All Other	40.245	88 403	120 640	Voc							
19-3039 19-3041	Psychologists, All Other Sociologists	49,245 31.807	88,402 63,614	120,640 55.107	Yes No	Yes	Yes No	Doctoral or professional degree Master's degree		No No	No No	No

Vages - Workforce Re Nay 2022	gion 21	Annual W	ages (\$) by Occupat	ion	Wage Meet	e or Evenade All C	Occupation Metric	ı	1 1	Wage Meets	or Exceeds Education	onal Level Metric
nay 2022			Average Annual	High-Level Wage	Representative	Average Annu			1 1	Representative	Average Annual	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
19-3091 19-3092	Anthropologists and Archeologists Geographers	49,492 61,132	63,218 93,882	65,455 100.330	Yes Yes	Yes	No Yes	Master's degree		No Yes	No Yes	No Yes
19-3092	Historians	39.014	93,882 77.930	100,330	Yes	Yes Yes	Yes	Master's degree		Yes No	Yes No	Yes
19-3094	Political Scientists	41.679	104.090	141.316	Yes	Yes	Yes	Master's degree Master's degree		No	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	47,303	83,861	87,360	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-4012	Agricultural Technicians	32,565	43,316	50.284	No	No	No	Associate's degree		No	No	No
19-4013	Food Science Technicians	35,699	60,647	77,617	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
19-4021	Biological Technicians	28,481	42,436	49,660	No	No	No	Bachelor's degree	1	No	No	No
19-4031	Chemical Technicians	34,168	47,934	50,873	No	No	No	Associate's degree	1	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	29,200	44,953	59,697	No	No	No	Associate's degree		No	No	No
19-4043	Geological Technicians, Except Hydrologic Technicians	31,664	40,691	45,652	No	No	No	Associate's degree		No	No	No
19-4044	Hydrologic Technicians	39,133	61,165	73,150	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
19-4051 19-4061	Nuclear Technicians	42,373	68,826	87,369	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
19-4061	Social Science Research Assistants	32,184	52,161 51.129	64,862 60.839	No	No	No	Bachelor's degree		No	No	No
19-4071	Forest and Conservation Technicians  Forensic Science Technicians	36,868 51,459	75,561	82,481	Yes Yes	No Yes	No Yes	Associate's degree		No Yes	No No	No No
19-4099	Life, Physical, and Social Science Technicians, All Other	27.040	50.000	58,808	No Yes	No No	No No	Bachelor's degree		No.	No	No
19-5011	Occupational Health and Safety Specialists	39,094	70,543	87,360	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		No	No	No
19-5012	Occupational Health and Safety Technicians	38,060	79,255	113,155	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	37,261	58,049	75,822	Yes	Yes	Yes	Master's degree		No	No	No
21-1013	Marriage and Family Therapists	36,320	48,238	51,908	Yes	No	No	Master's degree		No	No	No
21-1015	Rehabilitation Counselors	30,005	46,668	49,441	No	No	No	Master's degree		No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	36,727	52,013	60,854	Yes	No	No	Bachelor's degree		No	No	No
21-1019	Counselors, All Other	33,706	41,794	45,165	No	No	No	Master's degree		No	No	No
21-1021	Child, Family, and School Social Workers	37,586	49,045	58,805	Yes	No	No	Bachelor's degree		No	No	No
21-1022	Healthcare Social Workers	34,657	56,905	66,094	Yes	No	No	Master's degree		No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	32,014	48,005	57,705	No	No	No	Bachelor's degree		No	No	No
21-1029	Social Workers, All Other	39,603	57,639	56,659	Yes	No	No	Bachelor's degree		No	No	No
21-1091	Health Education Specialists	28,933	61,562	87,266	No	Yes	Yes	Bachelor's degree		No	No	No
21-1092 21-1093	Probation Officers and Correctional Treatment Specialists	33,280 28,074	45,161 40.803	54,018 46.864	No No	No	No	Bachelor's degree		No	No	No
21-1093 21-1094	Social and Human Service Assistants  Community Health Workers	28,074 30,475	40,803 48.487	46,864 61.867		No No	No No	Some college, no degree		No No	No No	No No
21-1094	Community and Social Service Specialists, All Other	27.887	75.328	82.706	No No		Yes	Bachelor's degree Bachelor's degree		No	No	No
21-2011	Clergy	27,639	56,839	63,507	No	Yes No	No	Master's degree		No	No	No
21-2011	Directors, Religious Activities and Education	32,177	54,540	75,358	No	No	Yes	Bachelor's degree		No	No	No
21-2099	Religious Workers, All Other	29,932	53,301	61.659	No	No	No	Bachelor's degree		No	No	No
23-1011	Lawyers	59,093	143,261	164,852	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	Yes
23-1012	Judicial Law Clerks	38,126	50,989	48,693	Yes	No	No	Doctoral or professional degree		No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	46,209	101,565	126,122	Yes	Yes	Yes	Doctoral or professional degree	1	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	33,845	67,462	89,021	No	Yes	Yes	Bachelor's degree	1	No	No	No
23-1023	Judges, Magistrate Judges, and Magistrates	46,209	101,565	126,122	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
23-2011	Paralegals and Legal Assistants	38,746	59,175	64,912	Yes	Yes	No	Associate's degree		No	Yes	No
23-2093	Title Examiners, Abstractors, and Searchers	37,381	60,187	75,428	Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	29,120	71,884	129,605	No	Yes	Yes	Associate's degree		No	Yes	Yes
25-1011	Business Teachers, Postsecondary	51,368	93,058	106,290	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1021 25-1022	Computer Science Teachers, Postsecondary  Mathematical Science Teachers, Postsecondary	52,278 51,736	98,726 82.427	122,340 97.642	Yes Yes	Yes	Yes Yes	Doctoral or professional degree  Doctoral or professional degree		No No	No No	No No
25-1022	Architecture Teachers, Postsecondary	42,059	111,600	139,929	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1031	Engineering Teachers, Postsecondary	50,999	97,892	134,673	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	48,702	67,569	82,156	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1042	Biological Science Teachers, Postsecondary	57,057	96,743	108,469	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	48,702	67,569	82,156	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	50,739	69,726	67,558	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1052	Chemistry Teachers, Postsecondary	43,283	88,539	106,344	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1053	Environmental Science Teachers, Postsecondary	48,268	78,461	97,816	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1054	Physics Teachers, Postsecondary	51,996	69,888	69,065	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	50,739	92,451	108,620	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	52,701	72,663	83,424	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1063	Economics Teachers, Postsecondary	50,989	64,567	59,279	Yes	Yes	No	Doctoral or professional degree		No	No	No
25-1064 25-1065	Geography Teachers, Postsecondary	50,739	69,726	67,558	Yes	Yes	Yes	Doctoral or professional degree		No No	No	No
25-1065 25-1066	Political Science Teachers, Postsecondary Psychology Teachers, Postsecondary	49,233 51,715	69,325 88,788	64,015 100,991	Yes	Yes	No Yes	Doctoral or professional degree		No No	No No	No No
25-1066 25-1067	Sociology Teachers, Postsecondary Sociology Teachers, Postsecondary	51,715 51,931	88,788 109.357	100,991	Yes Yes	Yes Yes	Yes Yes	Doctoral or professional degree		No No	No No	No No
25-1069	Social Sciences Teachers, Postsecondary, All Other	51,931	70.745	83.240	Yes	Yes	Yes	Doctoral or professional degree  Doctoral or professional degree		No	No	No
25-1003	Health Specialties Teachers, Postsecondary	51,595	101.782	110.376	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	50,012	79,597	88,122	Yes	Yes	Yes	Master's degree		No	No	No
25-1081	Education Teachers, Postsecondary	41,116	80,986	92,971	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1082	Library Science Teachers, Postsecondary	52,538	80,476	88,680	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	46,361	63,148	66,030	Yes	Yes	No	Doctoral or professional degree		No	No	No
25-1112	Law Teachers, Postsecondary	49,179	153,204	226,539	Yes	Yes	Yes	Doctoral or professional degree		No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	66,431	76,196	83,727	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	49,596	75,547	78,820	Yes	Yes	Yes	Master's degree		No	No	No
25-1122	Communications Teachers, Postsecondary	49,829	86,849	107,732	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	48,193	74,483	85,310	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	44,551	73,660	85,526	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1125	History Teachers, Postsecondary  Philosophy and Policing Teachers, Postsecondary	45,581	60,352	53,113	Yes	Yes	No	Doctoral or professional degree		No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	47,763	68,095	80,391	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	41,116	80,986	92,971	Yes	Yes	Yes	Master's degree		No	No	No

May 2022	egion 21	Annual W	ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All O	Occupation Metric			Wage Meets	or Exceeds Educati	onal Level Metric
,			Average Annual	High-Level Wage	Representative	Average Annu			1 5	Representative	Average Annual	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	<b>Educational Requirement</b>		Starting Wage	Wage	Threshold
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	47,737	81,452	85,917	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	38,504	65,043	78,403	Yes	Yes	Yes	Master's degree		No	No	No
25-1199 25-2011	Postsecondary Teachers, All Other Preschool Teachers, Except Special Education	40,260 22,054	71,341 30.765	84,150 35,397	Yes No	Yes	Yes No	Doctoral or professional degree Associate's degree		No No	No No	No No
25-2012	Kindergarten Teachers, Except Special Education	44,729	51,445	57,995	Yes	No	No	Bachelor's degree		No	No	No
25-2012	Elementary School Teachers, Except Special Education	46,727	53,176	58.442	Yes	No	No	Bachelor's degree		No	No	No
25-2021	Middle School Teachers, Except Special and Career/Technical Education	47,988	53,937	58,709	Yes	No	No	Bachelor's degree		Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	51,660	71,395	80,910	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	48,599	55,439	58,788	Yes	No	No	Bachelor's degree		Yes	No	No
25-2032	Career/Technical Education Teachers, Secondary School	46,997	67,142	76,502	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2051	Special Education Teachers, Preschool	49,293	53,191	58,437	Yes	No	No	Bachelor's degree		Yes	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	27,379	50,338	58,739	No	No	No	Bachelor's degree		No	No	No
25-2057	Special Education Teachers, Middle School	49,304	55,110	58,846	Yes	No	No	Bachelor's degree		Yes	No	No
25-2058	Special Education Teachers, Secondary School	49,361	55,888	58,196	Yes	No	No	Bachelor's degree		Yes	No	No
25-2059	Special Education Teachers, All Other	30,151	57,146	77,919	No	No	Yes	Bachelor's degree		No	No	No
	Adult Basic Education, Adult Secondary Education, and English as a Second											
25-3011	Language Instructors	38,914	57,039	76,471	Yes	No	Yes	Bachelor's degree		No	No	No
25-3021	Self-Enrichment Teachers	23,072	41,999	52,223	No	No	No	Some college, no degree		No	No	Yes
25-3031	Substitute Teachers, Short-Term	27,019	45,958	50,402	No	No	No	Bachelor's degree		No	No	No
25-3041	Tutors	22,908	38,949	48,295	No	No	No	Bachelor's degree		No	No	No
25-3099 25-4011	Teachers and Instructors, All Other Archivists	27,419 31,829	47,084 50.967	57,226 60.861	No No	No No	No No	Bachelor's degree		No No	No No	No
25-4011 25-4012	Archivists Curators	31,829 36,718	50,967 62.364	60,861 71,657		No Yes	No Yes	Master's degree		No No	No No	No No
25-4012 25-4013	Curators  Museum Technicians and Conservators	36,718 34,634	62,364 47.829	71,657 51.342	Yes	Yes No	Yes No	Master's degree				No No
25-4013 25-4022	Librarians and Media Collections Specialists	34,634 48,962	47,829 59,665	51,342 64,101	Yes Yes	No Yes	No No	Bachelor's degree Master's degree		No No	No No	No No
25-4022	Library Technicians	48,962 36,493	59,665 42.523	64,101 45.816	Yes	Yes No	No No	Associate's degree		No No	No No	No No
25-9021	Farm and Home Management Educators	30,552	42,523	60,546	No No	No	No	Master's degree		No	No	No
25-9021	Instructional Coordinators	35,871	63,985	76.230	Yes	Yes	Yes	Master's degree		No	No	No
25-9044	Teaching Assistants, Postsecondary	22,964	35.676	44,389	No	No	No No	Bachelor's degree		No	No	No
25-9045	Teaching Assistants, Postsecondary  Teaching Assistants, Except Postsecondary	22,384	27.831	29.286	No	No	No	Some college, no degree		No	No	No
25-9099	Educational Instruction and Library Workers, All Other	23,125	41.842	48.334	No.	No.	No.	Bachelor's degree		No.	No.	No.
27-1011	Art Directors	45.263	76.695	89.887	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1012	Craft Artists	23.040	37.204	42.904	No	No.	No	Some college, no degree		No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	27,490	43,753	44.393	No	No	No	Bachelor's degree		No	No	No
27-1014	Special Effects Artists and Animators	47.516	72,524	78.108	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1019	Artists and Related Workers, All Other	27,163	44,925	46,426	No	No	No	Some college, no degree		No	Yes	No
27-1021	Commercial and Industrial Designers	41,600	64,853	80,397	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1022	Fashion Designers	41.018	68.711	79,477	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1023	Floral Designers	28,289	36,110	37,214	No	No	No	High school diploma or equivalent		No	No	No
27-1024	Graphic Designers	34,090	61,723	68,498	No	Yes	Yes	Bachelor's degree		No	No	No
27-1025	Interior Designers	36,232	67,949	79,029	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1026	Merchandise Displayers and Window Trimmers	27,868	34,909	38,724	No	No	No	Some college, no degree		No	No	No
27-1027	Set and Exhibit Designers	40,162	53,342	58,200	Yes	No	No	Bachelor's degree		No	No	No
27-1029	Designers, All Other	31,558	66,356	81,744	No	Yes	Yes	Bachelor's degree		No	No	No
27-2011	Actors	32,641	37,225	34,776	No	No	No	Some college, no degree		Yes	No	No
27-2012	Producers and Directors	38,775	86,100	98,201	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-2021	Athletes and Sports Competitors	37,277	139,008	99,986	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
27-2022	Coaches and Scouts	26,947	56,858	59,213	No	No	No	Bachelor's degree		No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	21,218	51,616	79,990	No	No	Yes	Some college, no degree		No	Yes	Yes
27-2031	Dancers	32,641	37,225	34,776	No	No	No	High school diploma or equivalent		Yes	No	No
27-2032	Choreographers	32,641	37,225	34,776	No	No	No	Some college, no degree		Yes	No	No
27-2041	Music Directors and Composers	31,748	81,810	119,178	No	Yes	Yes	Bachelor's degree		No	No	Yes
27-2042 27-2091	Musicians and Singers  Disc Jockeys, Except Radio	32,641 24.058	37,225 65.781	34,776 65.142	No No	No Yes	No No	Some college, no degree		Yes No	No No	No No
27-2091	Entertainers and Performers, Sports and Related Workers, All Other	,	,					Bachelor's degree				
27-2099	Broadcast Announcers and Radio Disc Jockeys	24,058 24,058	65,781 65,781	65,142 65,142	No No	Yes	No No	Some college, no degree Bachelor's degree		No No	Yes No	Yes No
27-3011	News Analysts, Reporters, and Journalists	24,058 39,259	76,623	65,142 88.150	No Yes	Yes	No Yes	Bachelor's degree Bachelor's degree		No No	No No	No No
27-3023	Public Relations Specialists	39,259	64,404	88,150 77,210	Yes No	Yes	Yes	Bachelor's degree Bachelor's degree		No No	No No	No No
27-3031	Editors	32,804	72,170	77,210 80,573	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		No No	No No	No No
27-3041	Technical Writers	46.754	72,170	91.660	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3042	Writers and Authors	46,754 38.583	63.075	72,935	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3043	Interpreters and Translators	33,662	58,290	76,759	No.	Yes	Yes	Bachelor's degree		No No	No	No
27-3092	Court Reporters and Simultaneous Captioners	28.285	51,739	63.888	No	No	No No	Postsecondary nondegree award		No	Yes	Yes
27-3099	Media and Communication Workers, All Other	21,706	49,724	60.884	No No	No.	No.	Associate's degree		No	No	No
27-4011	Audio and Video Technicians	25,707	44,680	59,167	No	No	No	Associate's degree		No	No	No
27-4012	Broadcast Technicians	28,814	71,003	108,192	No	Yes	Yes	Associate's degree		No	Yes	Yes
27-4014	Sound Engineering Technicians	36,871	94,389	119,026	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
27-4015	Lighting Technicians	29,994	41,409	34,794	No	No	No	Associate's degree		No	No	No
27-4021	Photographers	29,144	50,262	63,977	No	No	No	Some college, no degree		Yes	Yes	Yes
27-4031	Camera Operators, Television, Video, and Film	34,124	64,323	70,616	No	Yes	Yes	Bachelor's degree		No	No	No
27-4032	Film and Video Editors	35,953	59,525	69,292	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-4099	Media and Communication Equipment Workers, All Other	24,212	54,099	65,871	No	No	No	Associate's degree		No	No	No
29-1011	Chiropractors	43,954	83,627	82,065	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
29-1021	Dentists, General	55,308	166,327	217,076	Yes	Yes	Yes	Doctoral or professional degree		No	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	56,927	246,338	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*
29-1023	Orthodontists	76,304	185,239	230,722	Yes	Yes	Yes	Doctoral or professional degree		Yes	Yes	Yes
29-1024	Prosthodontists	56,927	246,338	*	Yes	Yes	Yes*	Doctoral or professional degree		No	Yes	Yes*

Wages - Workforce Re May 2022	egion 21	A	ages (\$) by Occupat	e	W M	F d- All (	Occupation Metric		14/	Meets or Exceeds Educ	-4:
way 2022			Average Annual	High-Level Wage	Representative	Average Annu			Represent		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting W		Threshold
29-1031 29-1041	Dietitians and Nutritionists	47,298	66,606	78,517	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1041	Optometrists Pharmacists	35,984 71,222	90,312 127,005	130,824 141,003	Yes Yes	Yes Yes	Yes Yes	Doctoral or professional degree	No Yes	No No	No No
29-1051	Physician Assistants	77,833	127,005	141,003	Yes	Yes	Yes	Doctoral or professional degree Master's degree	Yes	Yes	Yes
29-1071	Podiatrists	30,972	104.644	122.782	No	Yes	Yes	Doctoral or professional degree	No	No	No
29-1122	Occupational Therapists	75.433	93.120	102.184	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	45,490	87,697	102,699	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	63,645	76,939	84,692	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1125	Recreational Therapists	28,839	51,554	66,620	No	No	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	49,331	68,476	74,966	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	79,483	97,605	104,270	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	38,243	51,407	53,184	Yes	No	No	Master's degree	No	No	No
29-1129 29-1131	Therapists, All Other Veterinarians	37,138	69,209	78,623	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Registered Nurses	51,070 61.738	115,899 80.039	135,509 85.496	Yes Yes	Yes	Yes Yes	Doctoral or professional degree	No Yes	No No	No No
29-1141	Nurse Anesthetists	144,997	162,647	171,159	Yes	Yes	Yes	Bachelor's degree Master's degree	Yes	Yes	Yes
29-1151	Nurse Midwives	68.404	105.868	121.614	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1171	Nurse Practitioners	53,288	103,786	125,222	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	67,179	102,985	116,423	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1211	Anesthesiologists	112,706	325,091	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1212	Cardiologists	195,545	464,706	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1213	Dermatologists	67,483	281,732	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1214	Emergency Medicine Physicians	223,201	375,939	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	79,956	223,379	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	50,613	264,767	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1217	Neurologists	101,164	297,749	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1218	Obstetricians and Gynecologists	67,483	281,732	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	131,866	211,800	258,172	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1222 29-1223	Physicians, Pathologists	66,315	122,442	125,558	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No *
29-1223	Psychiatrists Radiologists	56,704 55,139	232,997 329.914	*	Yes	Yes	Yes* Yes*	Doctoral or professional degree	No No	Yes	Yes* Yes*
29-1229	Physicians, All Other	46,502	206,687	*	Yes Yes	Yes	Yes*	Doctoral or professional degree  Doctoral or professional degree	No	Yes Yes	Yes*
29-1241	Ophthalmologists, Except Pediatric	102,009	134.134	102.009	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No.
29-1242	Orthopedic Surgeons, Except Pediatric	70,441	347.253	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1243	Pediatric Surgeons	70,441	347,253	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1249	Surgeons, All Other	63,384	162,535	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1291	Acupuncturists	31,428	54,792	59,160	No	No	No	Master's degree	No	No	No
29-1292	Dental Hygienists	58,073	74,505	80,938	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1299	Healthcare Diagnosing or Treating Practitioners, All Other	75,234	141,878	208,000	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-2010	Clinical Laboratory Technologists and Technicians	32,078	55,661	73,913	No	No	Yes	Associate's degree	No	No	Yes
29-2031	Cardiovascular Technologists and Technicians	30,860	54,733	77,016	No	No	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	62,680	74,703	83,093	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033 29-2034	Nuclear Medicine Technologists	68,321	82,294	87,480	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians  Magnetic Resonance Imaging Technologists	45,891 58,082	63,397 72,965	74,757 80,468	Yes Yes	Yes	Yes Yes	Associate's degree	Yes	Yes Yes	Yes Yes
29-2036	Medical Dosimetrists	113,834	135,271	146,837	Yes	Yes	Yes	Associate's degree Postsecondary nondegree award	Yes	Yes	Yes
29-2042	Emergency Medical Technicians	29.786	44.032	49.800	No No	No	No	Postsecondary nondegree award	No	No.	No.
29-2043	Paramedics	38,688	65,483	92,714	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2051	Dietetic Technicians	23,683	33,746	36,588	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	29,851	39,919	46,604	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	28,524	36,817	38,831	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	40,277	53,454	60,334	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	30,127	39,548	45,831	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	30,717	43,189	47,932	No	No	No	Postsecondary nondegree award	No	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	44,896	55,809	59,339	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2072	Medical Records Specialists	31,318	48,331	59,126	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-2081	Opticians, Dispensing	25,969	49,152	59,930	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	49,819	92,521	98,634	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-2092	Hearing Aid Specialists	35,113	56,875	70,816	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2099 29-9021	Health Technologists and Technicians, All Other  Health Information Technologists and Medical Registrars	31,831 37.826	41,557 67.228	41,600 82.896	No	No	No	Postsecondary nondegree award	No	No	No
29-9021	Athletic Trainers	37,826 42,991	67,228 59,745	82,896 66,442	Yes Yes	Yes	Yes Yes	Postsecondary nondegree award Bachelor's degree	Yes No	Yes No	Yes No
29-9091	Genetic Counselors	42,991 55,746	96.201	111.600	Yes	Yes	Yes	Master's degree	Yes	Yes	No Yes
29-9093	Surgical Assistants	60,211	70.575	85.805	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-9099	Healthcare Practitioners and Technical Workers, All Other	28,761	66,412	79,982	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
31-1120	Home Health and Personal Care Aides	22,415	28,549	31,058	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	26,961	33,512	36,520	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	28,101	31,540	34,844	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	29,087	35,264	37,529	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	52,002	67,337	75,760	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	32,446	60,709	74,039	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
31-2021	Physical Therapist Assistants	49,255	67,821	76,416	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	21,092	29,777	31,749	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	27,016	49,470	54,065	No	No	No	Postsecondary nondegree award	No	Yes	No
31-9091	Dental Assistants  Medical Assistants	32,906	41,054	46,399	No No	No	No No	Postsecondary nondegree award	Yes	No No	No No
31-9092 31-9093	Medical Assistants  Medical Equipment Preparers	30,755 29.891	38,696 38.860	43,195 42.698	No No	No No	No No	Postsecondary nondegree award	No No	No No	No No
31-9093 31-9094		29,891 29,268	38,860 37,826	42,698 44,411	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
31-3094	Medical Transcriptionists	29,208	37,826	44,411	INO	INO	NO	Postsecondary nondegree award	NO	NO	NO

May 2022	egion 21	Annual W	/ages (\$) by Occupat	ion	1	Wage Meet	s or Exceeds All O	ccupation Metric		П	Wage Meets	or Exceeds Educati	onal Level Metric
, 2022			Average Annual	High-Level Wage	l f	Representative	Average Annua			l f	Representative	Average Annual	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)		Starting Wage	Wage	Threshold	<b>Educational Requirement</b>		Starting Wage	Wage	Threshold
31-9095	Pharmacy Aides	23,911	32,175	38,544		No	No	No	High school diploma or equivalent	Щ	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	28,316	34,747	37,529		No	No	No	High school diploma or equivalent	Ш	No	No	No
31-9097 31-9099	Phlebotomists	31,250	38,461	40,388		No No	No No	No No	Postsecondary nondegree award	$\sqcup$	No	No	No
33-1011	Healthcare Support Workers, All Other First-Line Supervisors of Correctional Officers	27,387 62.691	43,678 82.670	52,915 101,098	-	Yes	Yes	No Yes	High school diploma or equivalent	⊢⊹	No Yes	No Yes	No Yes
33-1011	First-Line Supervisors of Correctional Officers  First-Line Supervisors of Police and Detectives	77,743	116,089	101,098		Yes	Yes	Yes	Some college, no degree  Bachelor's degree	H	Yes	Yes	Yes
33-1012	First-Line Supervisors of Friefighting and Prevention Workers	77,743 81,506	111,745	130,969		Yes	Yes	Yes	Associate's degree	H	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	30,551	52,506	60,993		No	No	No	Bachelor's degree	H	No	No	No
33-1099	First-Line Supervisors of Protective Service Workers, All Other	26,255	56,557	69,770		No	No	Yes	Some college, no degree	H	No	Yes	Yes
33-2011	Firefighters	46,164	70,034	78,246		Yes	Yes	Yes	Postsecondary nondegree award	H	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	52.846	85,995	101.650		Yes	Yes	Yes	Postsecondary nondegree award	H	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	60,319	99,192	111,980		Yes	Yes	Yes	Some college, no degree	Ħ	Yes	Yes	Yes
33-3011	Bailiffs	31,623	60,005	70,669		No	Yes	Yes	High school diploma or equivalent	Πî	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	32,926	67,660	99,969		No	Yes	Yes	High school diploma or equivalent	ΠÏ	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	59,800	95,090	101,462		Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
33-3031	Fish and Game Wardens	29,304	31,774	31,959		No	No	No	Bachelor's degree		No	No	No
33-3041	Parking Enforcement Workers	33,847	46,873	55,420		No	No	No	High school diploma or equivalent	Ш	Yes	No	No
33-3051	Police and Sheriff's Patrol Officers	52,957	77,908	97,664		Yes	Yes	Yes	Associate's degree	Ш	Yes	Yes	Yes
33-3052	Transit and Railroad Police	64,719	80,411	65,998		Yes	Yes	No	Associate's degree	Щ	Yes	Yes	No
33-9011	Animal Control Workers	44,196	49,876	58,645		Yes	No	No	Postsecondary nondegree award	Ш	Yes	Yes	Yes
33-9021	Private Detectives and Investigators	33,973	67,525	86,947		No	Yes	Yes	Bachelor's degree	Ш	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	30,745	38,613	41,853	H	No	No	No	High school diploma or equivalent	H	No	No	No
33-9032	Security Guards	23,355	31,783	34,734	Ш	No	No	No	High school diploma or equivalent	ш	No	No	No
33-9091	Crossing Guards and Flaggers	29,773	34,571	35,227	H	No	No	No	No formal educational credential	H	Yes	Yes	No
33-9092 33-9093	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers Transportation Security Screeners	23,505 37,586	32,552 46.301	36,435 50.107		No	No No	No No	No formal educational credential	$\sqcup$	No	Yes	Yes
33-9093	School Bus Monitors	37,586 24,254	46,301 26,070	50,107 26,200		Yes No	No No	No No	High school diploma or equivalent	$\sqcup$	Yes	No No	No
33-9094			41.117	26,200 52.365			No No	No No	High school diploma or equivalent	<del>-</del> - ⊦	No		No
35-1011	Protective Service Workers, All Other Chefs and Head Cooks	27,141 29,954	62.223	76.097	-	No No	Yes	Yes	High school diploma or equivalent Associate's degree	H	No No	No Yes	No Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	29,954	44.057	54.345	-	No	No	No Tes	High school diploma or equivalent	H	No	No No	No Yes
35-2011	Cooks, Fast Food	28,087	27.978	31,317		No.	No	No No	No formal educational credential	H	No.	No No	No No
35-2012	Cooks, Institution and Cafeteria	24,943	31.184	35,517		No	No	No	No formal educational credential	H	Yes	No	Yes
35-2012	Cooks, Private Household	35.058	63.787	78.601		Yes	Yes	Yes	Postsecondary nondegree award	H	Yes	Yes	Yes
35-2014	Cooks, Restaurant	29,285	35.424	38.188		No	No	No	High school diploma or equivalent	H	No	No	No
35-2014	Cooks, Short Order	22,325	28.198	34,024		No	No	No	No formal educational credential	H	No	No	No
35-2019	Cooks, All Other	29,444	36.337	38,450		No	No	No	No formal educational credential	H	Yes	Yes	Yes
35-2021	Food Preparation Workers	24,839	32,002	35,265		No	No	No	No formal educational credential	H	Yes	No	Yes
35-3011	Bartenders	21,487	33.482	38,463		No	No	No	No formal educational credential	H	No	Yes	Yes
35-3023	Fast Food and Counter Workers	21,640	26,804	28,649		No	No	No	No formal educational credential	t t	No	No	No
35-3031	Waiters and Waitresses	21.456	33,429	35,706		No	No	No	No formal educational credential	H	No	Yes	Yes
35-3041	Food Servers, Nonrestaurant	23,378	28,273	31,520		No	No	No	No formal educational credential	t t	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	21,602	28,167	29,671		No	No	No	No formal educational credential	Ħ	No	No	No
35-9021	Dishwashers	22,349	27,130	29,432		No	No	No	No formal educational credential	Ħ	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	21,435	30,009	32,923		No	No	No	No formal educational credential		No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	23,860	30,702	34,167		No	No	No	No formal educational credential		No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	30,631	47,072	57,429		No	No	No	High school diploma or equivalent		No	No	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	36,381	52,511	61,619		Yes	No	No	Some college, no degree		Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	22,675	29,280	33,069		No	No	No	High school diploma or equivalent		No	No	No
37-2012	Maids and Housekeeping Cleaners	23,873	29,873	31,200		No	No	No	No formal educational credential	Ш	No	No	No
37-2019	Building Cleaning Workers, All Other	26,486	32,966	35,979		No	No	No	No formal educational credential	ш	Yes	Yes	Yes
37-2021	Pest Control Workers	33,079	43,245	46,750		No	No	No	High school diploma or equivalent	Ш	Yes	No	No
37-3011	Landscaping and Groundskeeping Workers	28,593	34,092	36,658		No	No	No	No formal educational credential	Ш	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	29,228	41,459	46,804		No	No	No	High school diploma or equivalent	Ш	No	No	No
37-3013	Tree Trimmers and Pruners	26,568	39,597	48,658		No	No	No	High school diploma or equivalent	H	No	No	No
37-3019 39-1013	Grounds Maintenance Workers, All Other	35,910	36,806	38,549		Yes	No	No	No formal educational credential	$\sqcup$	Yes	Yes	Yes
22-1012	First-Line Supervisors of Gambling Services Workers First-Line Supervisors of Entertainment and Recreation Workers, Except	35,762	62,563	76,781	ш	Yes	Yes	Yes	Some college, no degree	$\sqcup$	Yes	Yes	Yes
39-1014	Gambling Services	30.920	53,289	61.987	1 1	No	No	No	Sama callaga, na de	1 1	Yes	Yes	Yes
39-1014	First-Line Supervisors of Personal Service Workers	30,920 29,601	53,289 45,409	61,987 54,155	Н	No No	No No	No No	Some college, no degree Some college, no degree	$\vdash$	Yes	Yes	Yes
39-1022 39-2011	First-Line Supervisors of Personal Service Workers  Animal Trainers	29,601 29.850	45,409 47.899	54,155 50.019	Н	No No	No No	No No	Some college, no degree  High school diploma or equivalent	$\vdash$	Yes No	Yes No	Yes No
39-2021	Animal Trainers  Animal Caretakers	29,850	31,841	34.890	1	No	No	No	High school diploma or equivalent	$\vdash$	No	No	No
39-3011	Gambling Dealers	23,498	31,841	34,890 51.520		No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	$\vdash$	No No	No No	No No
39-3012	Gambling and Sports Book Writers and Runners	23,267	30,994	33,346		No	No	No	High school diploma or equivalent		No	No	No
39-3012	Gambling Service Workers, All Other	22,541	35,101	40.813		No	No	No	High school diploma or equivalent	1	No	No	No
39-3021	Motion Picture Projectionists	33,205	38,648	39,958		No	No	No	No formal educational credential	$\vdash$	Yes	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	21,896	26,628	28,671	1 1	No	No	No	No formal educational credential		No	No	No
39-3091	Amusement and Recreation Attendants	21,902	28,547	29,952		No	No	No	No formal educational credential	Н	No	No	No
39-3092	Costume Attendants	28,025	45,017	52,387	t t	No	No	No	High school diploma or equivalent		No	No	No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	23,339	30,823	32,772	1 1	No	No	No	High school diploma or equivalent	1 1	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	25,240	31,417	31,471		No	No	No	High school diploma or equivalent		No	No	No
39-4011	Embalmers	35,405	50,598	56,689	1 1	Yes	No	No	Associate's degree	t t	No	No	No
39-4012	Crematory Operators	33,682	42,926	51,303	1 1	No	No	No	High school diploma or equivalent	t t	Yes	No	No
39-4021	Funeral Attendants	23,450	31,338	35,060	1 1	No	No	No	High school diploma or equivalent	1 1	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	37,583	60,157	70,019	1 1	Yes	Yes	Yes	Associate's degree	1 1	No	Yes	Yes
39-5011	Barbers	23,668	36,608	40,412		No	No	No	Postsecondary nondegree award		No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	20,851	33,913	38,149		No	No	No	Postsecondary nondegree award	1 1	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	40,823	47,434	42,070		Yes	No	No	Postsecondary nondegree award		Yes	No	No
39-5092	Manicurists and Pedicurists	21,442	33,362	34,107	1 1	No	No	No	Postsecondary nondegree award	1 1	No	No	No

Wages - Workforce Re	egion 21	A	/ /¢\ h O	e	1 14/ 14		Samuella Madaia			14/ 84	F d- Ed	
May 2022			ages (\$) by Occupat Average Annual	High-Level Wage	Representative	Average Annu	Occupation Metric ual High-Level Wage			resentative	Average Annua	tional Level Metric al High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		ting Wage	Wage	Threshold
			-			•		·			•	
39-5093	Shampooers	22,541	26,594	28,697	No	No	No	High school diploma or equivalent	No		No	No
39-5094	Skincare Specialists	21,516	40,002	45,879	No	No	No	Postsecondary nondegree award	No		No	No
39-6011	Baggage Porters and Bellhops	22,056	30,291	35,984	No	No	No	High school diploma or equivalent	No		No	No
39-6012	Concierges	28,865	37,077	37,697	No	No	No	High school diploma or equivalent	No		No	No
39-7010 39-9011	Tour and Travel Guides Childcare Workers	26,452	39,660 29,574	44,210 31,242	No	No	No	High school diploma or equivalent	No		No	No
39-9011	Exercise Trainers and Group Fitness Instructors	23,206 20,800	40,929	31,242 49,031	No No	No No	No No	High school diploma or equivalent	No No		No No	No No
39-9032	Recreation Workers	20,800	40,929 32.972	35.866	No No	No	No	Postsecondary nondegree award Bachelor's degree	No No		No	No No
39-9041	Residential Advisors	27,036	38,277	42,949	No	No	No	Some college, no degree	No		No	No
39-9099	Personal Care and Service Workers, All Other	20,800	27.140	28.883	No.	No.	No.	High school diploma or equivalent	No		No	No
41-1011	First-Line Supervisors of Retail Sales Workers	29,389	53,400	61,481	No	No	No	Some college, no degree	Yes		Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	43,751	92,394	106.168	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
41-2011	Cashiers	22,424	27,055	28,472	No	No	No	No formal educational credential	No		No	No
41-2012	Gambling Change Persons and Booth Cashiers	23,007	36,066	37,366	No	No	No	No formal educational credential	No		Yes	Yes
41-2021	Counter and Rental Clerks	26,395	37,664	40,761	No	No	No	No formal educational credential	Yes		Yes	Yes
41-2022	Parts Salespersons	23,628	38,306	45,490	No	No	No	High school diploma or equivalent	No		No	No
41-2031	Retail Salespersons	22,971	34,053	35,984	No	No	No	High school diploma or equivalent	No		No	No
41-3011	Advertising Sales Agents	33,972	66,998	74,610	No	Yes	Yes	Some college, no degree	Yes		Yes	Yes
41-3021	Insurance Sales Agents	25,350	65,228	62,855	No	Yes	No	Postsecondary nondegree award	No		Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	40,033	88,456	96,471	Yes	Yes	Yes	Bachelor's degree	No		No	No
41-3041	Travel Agents	26,800	47,347	54,316	No	No	No	Some college, no degree	No		Yes	Yes
41 2001	Sales Representatives of Services, Except Advertising, Insurance, Financial	22 111	70.603	94.000	No	Voc	Voc	Pachalar's dagrae	N-		No	No
41-3091	Services, and Travel Sales Representatives, Wholesale and Manufacturing, Technical and Scientific	32,111	70,692	84,989	No	Yes	Yes	Bachelor's degree	No		No	No
41-4011	Products	37,501	100,188	124,397	Yes	Yes	Yes	Rachelor's degree	No		Yes	Yes
41-4011	Sales Representatives, Wholesale and Manufacturing, Except Technical and	37,301	100,188	124,597	res	res	res	Bachelor's degree	NO		162	res
41-4012	Scientific Products	33.602	74.504	84.581	No	Yes	Yes	Some college, no degree	Yes		Yes	Yes
41-9011	Demonstrators and Product Promoters	21.410	47.678	66.560	No	No	Yes	No formal educational credential	No.		Yes	Yes
41-9012	Models	23,820	35,416	38,082	No	No	No	High school diploma or equivalent	No		No	No
41-9021	Real Estate Brokers	34,800	124,040	174,645	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
41-9022	Real Estate Sales Agents	28,576	54.460	63.440	No	No	No	Postsecondary nondegree award	No		Yes	Yes
41-9031	Sales Engineers	43,517	113,554	154,414	Yes	Yes	Yes	Bachelor's degree	No		Yes	Yes
41-9041	Telemarketers	23,090	33,114	33,615	No	No	No	High school diploma or equivalent	No		No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	23,365	38,450	54,099	No	No	No	High school diploma or equivalent	No		No	No
41-9099	Sales and Related Workers, All Other	22,287	37,439	37,880	No	No	No	Some college, no degree	No		No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	38,740	66,161	77,202	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	27,040	31,807	34,443	No	No	No	High school diploma or equivalent	No		No	No
43-2021	Telephone Operators	28,241	33,931	37,150	No	No	No	High school diploma or equivalent	No		No	No
43-2099	Communications Equipment Operators, All Other	25,175	53,308	62,519	No	No	No	High school diploma or equivalent	No		Yes	Yes
43-3011	Bill and Account Collectors	31,841	41,085	45,928	No	No	No	High school diploma or equivalent	Yes		No	No
43-3021	Billing and Posting Clerks	29,754	43,790	48,657	No	No	No	High school diploma or equivalent	No		No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	29,337	45,961	51,933	No	No	No	Some college, no degree	Yes		Yes	Yes
43-3041	Gambling Cage Workers	24,048	34,733	41,322	No	No	No	High school diploma or equivalent	No		No	No
43-3051	Payroll and Timekeeping Clerks	38,287	50,502	56,837	Yes	No	No	Some college, no degree	Yes		Yes	Yes
43-3061	Procurement Clerks	30,559	42,986	48,816	No	No	No	Associate's degree	No		No	No
43-3071	Tellers	34,594	38,139	42,580	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-3099	Financial Clerks, All Other	36,470	66,058	69,252	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-4011 43-4021	Brokerage Clerks	38,221	63,605	72,067	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
	Correspondence Clerks	36,239	40,477	43,999	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-4031 43-4041	Court, Municipal, and License Clerks	36,685	43,001	45,531	Yes	No	No	Some college, no degree	Yes		No	No
43-4041	Credit Authorizers, Checkers, and Clerks Customer Service Representatives	28,868 28.018	37,678 39.480	39,407 45.018	No No	No No	No No	Some college, no degree	Yes No		No No	No No
43-4051			40,956		No No		No	High school diploma or equivalent	No		No	
43-4061	Eligibility Interviewers, Government Programs File Clerks	28,309 21.227	37,530	49,982 44,062	No	No No	No	High school diploma or equivalent High school diploma or equivalent	No		No	No No
43-4081	Hotel, Motel, and Resort Desk Clerks	24,402	32,434	35.154	No	No	No	High school diploma or equivalent	No		No	No.
43-4111	Interviewers, Except Eligibility and Loan	24,402	40,831	46.581	No	No	No	High school diploma or equivalent  High school diploma or equivalent	No No		No	No
43-4121	Library Assistants, Clerical	27,548	36,552	38.860	No	No	No	Some college, no degree	No		No	No
43-4131	Loan Interviewers and Clerks	33,047	47.850	58.064	No.	No	No	High school diploma or equivalent	Yes		No	Yes
43-4141	New Accounts Clerks	39,295	47,066	50,978	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-4151	Order Clerks	28,640	36,301	38,873	No	No	No	High school diploma or equivalent	No		No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	29,987	43,863	49,181	No	No	No	Associate's degree	No		No	No
43-4171	Receptionists and Information Clerks	25,926	33,265	36,820	No	No	No	High school diploma or equivalent	No		No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	26,534	40,678	42,212	No	No	No	High school diploma or equivalent	No		No	No
43-4199	Information and Record Clerks, All Other	28,066	42,769	48,610	No	No	No	High school diploma or equivalent	No		No	No
43-5011	Cargo and Freight Agents	35,566	53,360	61,777	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
43-5021	Couriers and Messengers	28,336	33,909	35,755	No	No	No	High school diploma or equivalent	No		No	No
43-5031	Public Safety Telecommunicators	43,576	64,472	79,581	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5032	Dispatchers, Except Police, Fire, and Ambulance	29,718	44,969	49,497	No	No	No	High school diploma or equivalent	No		No	No
43-5041	Meter Readers, Utilities	35,219	53,538	62,202	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
43-5051	Postal Service Clerks	39,770	57,766	68,307	Yes	No	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5052	Postal Service Mail Carriers	39,354	56,556	71,344	Yes	No	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	38,584	54,148	68,307	Yes	No	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	31,679	51,752	59,620	No	No	No	Some college, no degree	Yes		Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	26,683	38,119	44,007	No	No	No	High school diploma or equivalent	No		No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	26,534	39,697	43,417	No	No	No	High school diploma or equivalent	No		No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	38,761	64,638	76,525	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	30,474	47,652	56,275	No	No	No	Some college, no degree	Yes		Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	30,310	38,818	45,377	No	No	No	Some college, no degree	Yes		No	No

Wages - Workforce Re	egion 21	A114	/ (¢) b 0			14/ 84	Fd- All C	Name and a state of the state o	<u> </u>		14/ 844-	F d- F-d	!!!84-4
May 2022			Vages (\$) by Occupat Average Annual	ion High-Level Wage	Rep	resentative	Average Annu	Occupation Metric Ial High-Level Wage		1 F	Representative	or Exceeds Educati Average Annual	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)		rting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
	·						Ť		·			•	
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	28,576	41,438	47,674	No		No	No	High school diploma or equivalent		No	No	No
43-9021 43-9022	Data Entry Keyers	27,768 23.043	36,052 37,085	38,486 39,419	No No		No No	No No	High school diploma or equivalent		No No	No No	No No
43-9022	Word Processors and Typists  Desktop Publishers	23,043 33.469	37,085 46.426	39,419 54.224	No No		No	No No	High school diploma or equivalent Associate's degree		No	No No	No No
43-9041	Insurance Claims and Policy Processing Clerks	27,649	43,045	48,215	No		No	No	High school diploma or equivalent		No	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	26,148	36,261	40,949	No		No	No	High school diploma or equivalent		No	No	No
43-9061	Office Clerks, General	26,000	41,456	49,254	No		No	No	High school diploma or equivalent		No	No	No
43-9071	Office Machine Operators, Except Computer	21,325	32,718	38,823	No		No	No	High school diploma or equivalent		No	No	No
43-9081	Proofreaders and Copy Markers	30,561	37,778	39,566	No		No	No	Bachelor's degree		No	No	No
43-9111 43-9199	Statistical Assistants Office and Administrative Support Workers, All Other	38,428 29,746	49,829 41,502	55,237 47,451	Yes No		No No	No No	Bachelor's degree		No	No	No No
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	30.120	52,091	66.056	No		No	No	Some college, no degree High school diploma or equivalent		Yes No	No Yes	Yes
45-2011	Agricultural Inspectors	27,035	38,727	41,806	No		No	No	Bachelor's degree		No	No	No
45-2021	Animal Breeders	29,314	40,368	42,698	No		No	No	High school diploma or equivalent		No	No	No
45-2041	Graders and Sorters, Agricultural Products	24,188	28,512	29,661	No		No	No	No formal educational credential		Yes	No	No
45-2091	Agricultural Equipment Operators	26,933	33,590	36,564	No		No	No	No formal educational credential		Yes	Yes	Yes
45-2092 45-2093	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	22,274	26,994	28,879 48.994	No		No	No No	No formal educational credential		No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals Agricultural Workers, All Other	30,529 23,278	41,626 38,667	48,994 45,429	No No		No No	No No	No formal educational credential  No formal educational credential		Yes No	Yes	Yes Yes
45-3031	Fishing and Hunting Workers	29,011	38,970	46,643	No		No	No	No formal educational credential		Yes	Yes	Yes
45-4011	Forest and Conservation Workers	35,470	45,798	54,034	Yes		No	No	Postsecondary nondegree award		Yes	No	No
45-4021	Fallers	42,427	50,403	57,003	Yes		No	No	High school diploma or equivalent		Yes	Yes	Yes
45-4022	Logging Equipment Operators	30,962	44,519	52,636	No		No	No	High school diploma or equivalent		Yes	No	No
45-4023	Log Graders and Scalers	24,188	28,512	29,661	No		No	No	High school diploma or equivalent		No	No	No
45-4029 47-1011	Logging Workers, All Other First-Line Supervisors of Construction Trades and Extraction Workers	45,093	48,864	50,588	Yes		No	No	High school diploma or equivalent		Yes	Yes	No
47-2011	Boilermakers	46,217 22,541	73,014 50,772	81,265 61.771	Yes No		Yes No	Yes No	Some college, no degree  High school diploma or equivalent		Yes No	Yes	Yes Yes
47-2021	Brickmasons and Blockmasons	30,052	44.533	51.176	No		No	No	High school diploma or equivalent		No	No	No
47-2022	Stonemasons	30,068	52,028	60,837	No		No	No	High school diploma or equivalent		No	Yes	Yes
47-2031	Carpenters	37,184	48,620	54,769	Yes		No	No	Postsecondary nondegree award		Yes	Yes	Yes
47-2041	Carpet Installers	20,800	29,510	32,349	No		No	No	No formal educational credential		No	No	No
47-2042 47-2043	Floor Layers, Except Carpet, Wood, and Hard Tiles	36,586	49,157	55,443	Yes		No	No	No formal educational credential	$\vdash$	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers Tile and Stone Setters	26,323 36.564	42,644 50,431	53,113 56.482	No Yes		No No	No No	No formal educational credential  No formal educational credential		Yes	Yes	Yes Yes
47-2044	Cement Masons and Concrete Finishers	31,361	43.760	48,679	No.		No	No	No formal educational credential  No formal educational credential		Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	35,127	53.897	57.786	Yes		No	No	High school diploma or equivalent		Yes	Yes	Yes
47-2061	Construction Laborers	22,148	38,602	44,115	No		No	No	No formal educational credential		No	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	30,089	41,738	46,892	No		No	No	High school diploma or equivalent		No	No	No
47-2072	Pile Driver Operators	33,580	47,213	56,371	No		No	No	High school diploma or equivalent		Yes	No	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	35,772	46,695	50,323	Yes		No	No	High school diploma or equivalent	$\sqcup$	Yes	No	No
47-2081 47-2082	Drywall and Ceiling Tile Installers Tapers	28,749 30,994	40,531 45,483	49,400 51,054	No No		No No	No No	No formal educational credential  No formal educational credential	$\vdash$	Yes Yes	Yes Yes	Yes Yes
47-2002	Electricians	37,756	52,084	58,866	Yes		No	No	Postsecondary nondegree award		Yes	Yes	Yes
47-2121	Glaziers	30,994	45,483	51,054	No		No	No	High school diploma or equivalent		Yes	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	29,910	42,793	48,319	No		No	No	High school diploma or equivalent		No	No	No
47-2132	Insulation Workers, Mechanical	37,411	45,186	48,026	Yes		No	No	High school diploma or equivalent		Yes	No	No
47-2141	Painters, Construction and Maintenance	29,579	38,992	42,940	No		No	No	No formal educational credential		Yes	Yes	Yes
47-2142 47-2151	Paperhangers	32,132	40,076	48,258	No		No	No	No formal educational credential		Yes	Yes	Yes
47-2151	Pipelayers Plumbers, Pipefitters, and Steamfitters	36,929 33,280	45,979 50,143	49,290 58.307	Yes No		No No	No No	No formal educational credential  Postsecondary nondegree award	-	Yes	Yes	Yes Yes
47-2152	Plasterers and Stucco Masons	26,904	42,187	48,954	No		No	No	No formal educational credential		Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	37,711	44,538	44,021	Yes		No	No	High school diploma or equivalent		Yes	No	No
47-2181	Roofers	28,631	44,384	49,740	No		No	No	No formal educational credential		Yes	Yes	Yes
47-2211	Sheet Metal Workers	35,808	48,739	56,014	Yes		No	No	High school diploma or equivalent		Yes	Yes	No
47-2221	Structural Iron and Steel Workers	35,001	49,501	57,967	Yes		No	No	High school diploma or equivalent	$\sqcup$	Yes	Yes	Yes
47-2231 47-3011	Solar Photovoltaic Installers  HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	38,504 22,541	47,109 37,193	50,728 41,354	Yes No		No No	No No	High school diploma or equivalent  No formal educational credential		Yes No	No Yes	No Yes
47-3011	HelpersCarpenters	22,541	37,193	38.881	No.		No	No	No formal educational credential  No formal educational credential		Yes	Yes	Yes
47-3013	HelpersElectricians	29,950	38,031	38,520	No		No	No	High school diploma or equivalent		No	No	No
47-3014	HelpersPainters, Paperhangers, Plasterers, and Stucco Masons	24,408	30,542	32,933	No		No	No	No formal educational credential		Yes	No	No
47-3015	HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters	29,934	37,775	40,117	No		No	No	High school diploma or equivalent		No	No	No
47-3016	HelpersRoofers	32,381	39,284	41,755	No		No	No	No formal educational credential		Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	30,301	40,097	44,291	No		No	No	No formal educational credential	$\vdash$	Yes	Yes	Yes
47-4011 47-4021	Construction and Building Inspectors	45,093 48.964	65,858 83,573	77,100 103,521	Yes Yes		Yes	Yes Yes	Postsecondary nondegree award	$\vdash$	Yes	Yes	Yes Yes
47-4021	Elevator and Escalator Installers and Repairers Fence Erectors	30,320	41,062	49,198	No.		Yes No	No.	Postsecondary nondegree award  No formal educational credential		Yes	Yes	Yes
47-4031	Hazardous Materials Removal Workers	33,053	43,782	50,154	No		No	No	High school diploma or equivalent		Yes	No	No
47-4051	Highway Maintenance Workers	33,134	41,947	46,613	No		No	No	High school diploma or equivalent		Yes	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	48,843	59,431	67,472	Yes		Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	38,280	47,705	59,145	Yes		No	No	High school diploma or equivalent	Ш	Yes	No	Yes
47-4090 47-5011	Miscellaneous Construction and Related Workers	34,716 37.074	43,743 53,611	47,206	Yes		No	No	High school diploma or equivalent	$\vdash$	Yes	No	No
47-5011 47-5012	Derrick Operators, Oil and Gas Rotary Drill Operators, Oil and Gas	37,074 44.367	53,611 58.510	66,258 61,143	Yes Yes		No Yes	No No	No formal educational credential  No formal educational credential	$\vdash$	Yes	Yes	Yes Yes
47-5012	Service Unit Operators, Oil and Gas	44,367	58,510	67,667	Yes		Yes	Yes	No formal educational credential	$\vdash$	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	38,539	49,674	57,422	Yes		No	No	High school diploma or equivalent		Yes	Yes	Yes
47-5023	Earth Drillers, Except Oil and Gas	36,927	52,490	59,148	Yes		No	No	High school diploma or equivalent		Yes	Yes	Yes
47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	57,610	76,803	88,517	Yes		Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
47-5041	Continuous Mining Machine Operators	29,759	43,619	48,258	No		No	No	No formal educational credential		Yes	Yes	Yes

May 2022	egion 21	Annual W	ages (\$) by Occupat	ion	Wage Meet	s or Exceeds All Oc	ccupation Metric		Wage M	eets or Exceeds Educa	ational Level Metric
			Average Annual	High-Level Wage	Representative	Average Annua			Representation		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wag	e Wage	Threshold
									ļ. ļ		
47-5043	Roof Bolters, Mining								<u> </u>		
47-5044	Loading and Moving Machine Operators, Underground Mining	37,365	43,105	47,167	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5049 47-5051	Underground Mining Machine Operators, All Other	38,851 39,989	43,988 72,544	48,778 96,764	Yes	No	No Yes	No formal educational credential No formal educational credential	Yes Yes	Yes Yes	Yes Yes
47-5051	Rock Splitters, Quarry Roustabouts, Oil and Gas	39,989	72,544 53.611	66.258	Yes Yes	Yes No	No Yes	No formal educational credential	Yes	Yes	Yes
47-5071	HelpersExtraction Workers	29,936	36,989	44,969	No	No	No	High school diploma or equivalent	No	No	No
47-5099	Extraction Workers, All Other	30.127	48.583	47,488	No	No	No	High school diploma or equivalent	No No	Yes	No
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	44,416	68,810	80,313	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	32,651	40,995	47,496	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	36,545	67,119	79,026	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	30,985	52,890	62,632	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-2091	Avionics Technicians	47,884	71,260	78,555	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	30,787	42,317	50,042	No	No	No	High school diploma or equivalent	No	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	43,435	60,970	68,946	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	32,761	53,736	67,390	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	41,341	79,148	102,386	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096 49-2097	Electronic Equipment Installers and Repairers, Motor Vehicles	39,298	52,061	63,388	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-2098	Audiovisual Equipment Installers and Repairers  Security and Fire Alarm Systems Installers	39,216 31,970	53,920 46,717	64,030 60,587	Yes No	No No	No No	Postsecondary nondegree award	Yes No	Yes No	Yes Yes
49-3011	Aircraft Mechanics and Service Technicians	40.618	66.988	79.346	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	31,121	55,636	62,640	No	No	No	Associate's degree Postsecondary nondegree award	No	Yes	Yes
49-3021	Automotive Body and Related Repairers  Automotive Glass Installers and Repairers	34,306	45,949	46.920	No No	No	No No	High school diploma or equivalent	Yes	No.	No No
49-3023	Automotive Grass installers and Repairers  Automotive Service Technicians and Mechanics	28,217	48,253	60,477	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	38.609	56,605	64,359	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	28,940	47,578	48.486	No	No	No	High school diploma or equivalent	No	No	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	37,802	55,589	60,773	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	40,585	58,271	64,795	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	35,852	54,796	63,419	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	32,305	49,851	63,950	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	31,561	44,943	51,373	No	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	25,424	39,631	47,336	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	33,140	52,690	66,442	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	23,232	34,438	39,015	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	30,035	46,851	54,884	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	38,123	55,966	61,863	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	31,076	48,090	58,745	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9031	Home Appliance Repairers	29,801	44,179	54,713	No	No	No	Postsecondary nondegree award	No	No	Yes
49-9041	Industrial Machinery Mechanics	30,601	54,055	62,821	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9043	Maintenance Workers, Machinery	32,691	49,672	60,029	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9044	Millwrights	44,248	60,634	71,579	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	28,350	37,572	41,311	No	No	No	High school diploma or equivalent	No	No	No
49-9051 49-9052	Electrical Power-Line Installers and Repairers Telecommunications Line Installers and Repairers	39,263	74,321	96,192	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	·	36,345	54,457	63,151	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9062	Camera and Photographic Equipment Repairers  Medical Equipment Repairers	43,619 34,682	57,968 57,619	64,665 69,612	Yes Yes	Yes No	No Yes	Associate's degree	Yes No	No No	No Yes
49-9063	Musical Instrument Repairers and Tuners	30,918	45,516	55.844	No	No	No	Associate's degree High school diploma or equivalent	Yes	No	No
49-9064	Watch and Clock Repairers	24,775	27,994	28,754	No.	No	No.	High school diploma or equivalent	No	No	No
49-9069	Precision Instrument and Equipment Repairers, All Other	43.966	62,541	71,568	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	29,119	41.774	47.315	No.	No	No.	High school diploma or equivalent	No.	No.	No.
49-9081	Wind Turbine Service Technicians	52,343	73,822	85,581	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	24.385	38.886	47.011	No.	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	42.861	57,729	61.836	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	33,595	47,932	59,777	No	No	No	High school diploma or equivalent	Yes	No	Yes
49-9095	Manufactured Building and Mobile Home Installers	23,690	33,497	42,384	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	36,077	56,082	65,120	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	51,227	68,642	77,507	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	HelpersInstallation, Maintenance, and Repair Workers	29,120	35,237	38,137	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	29,513	44,253	49,163	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	39,042	67,612	82,185	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	35,838	51,010	60,525	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	36,023	49,330	52,560	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders,										
51-2028	Tapers, and Finishers	29,248	42,800	49,111	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	36,489	47,109	52,300	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-2041	Structural Metal Fabricators and Fitters	29,377	41,899	48,786	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	30,591	42,444	48,752	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters								1		
51-2090	Miscellaneous Assemblers and Fabricators	24,050	35,542	38,592	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	26,302	33,682	37,918	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	29,031	40,353	45,071	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	26,129	38,452	42,381	No	No	No	No formal educational credential	Yes	Yes	Yes
	Slaughterers and Meat Packers	25,075	30,732	32,769	No	No	No	No formal educational credential	Yes	No	No
51-3023		26,974	40,151	39,425	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023 51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders										
51-3023 51-3091 51-3092	Food Batchmakers	20,800	29,532	30,113	No	No	No	High school diploma or equivalent	No No	No No	No No
51-3023 51-3091 51-3092 51-3093	Food Batchmakers Food Cooking Machine Operators and Tenders	27,212	34,700	38,428	No	No	No	High school diploma or equivalent	No	No	No
51-3023 51-3091 51-3092	Food Batchmakers										

Vay 2022	egion 21	Annual W	ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All Oc	cupation Metric		Wage Mee	ts or Exceeds Educa	tional Level Metric
nay zozz	<b>†</b>		Average Annual	High-Level Wage	Representative	Average Annua			Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	<b>Educational Requirement</b>	Starting Wage	Wage	Threshold
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	32,891	43,446	49,623	No	No	No	High school diploma or equivalent	Yes	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	33,248	45,440	49,081	No	No	No	High school diploma or equivalent	Yes	No	No
F1 4024	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20.004	44 724	47 702	N-	N-	N-	Disk sekset distance as assistant	V	N-	
51-4031	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and	30,864	41,734	47,792	No	No	No	High school diploma or equivalent	Yes	No	No
51-4032	Plastic	31,676	67,969	93,694	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
31-4032	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and	31,070	67,969	93,094	INO	res	res	High school diploma or equivalent	res	res	res
51-4033	Tenders, Metal and Plastic	26,669	31,253	35,243	No	No	No	High school diploma or equivalent	No	No	No
	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and	20,003	31,233	33,243		110		riigii serioor dipiorid or equivalent	1.0	110	
51-4034	Plastic	30,279	42,200	51,845	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	34,180	45,700	50,046	No	No	No	Postsecondary nondegree award	Yes	No	No
51-4041	Machinists	36,447	53,310	62,781	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	42,438	54,110	55,117	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-4052	Pourers and Casters, Metal	32,349	50,577	61,338	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4061	Model Makers, Metal and Plastic	35,827	56,429	65,673	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	29,271	54,760	84,616	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-4071	Foundry Mold and Coremakers	25,229	43,576	59,582	No	No	No	High school diploma or equivalent	No	No	Yes
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	29,824	40,086	43,099	No	No	No	High calculations are activated	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	33.812	40,086	43,099	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	Yes	No	No No
51-4111	Tool and Die Makers	39,034	63,190	70,327	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	34,448	50.356	60.156	Yes	No	No.	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	32,240	40.845	44.421	No.	No	No	Postsecondary nondegree award	No No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders  Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	24.960	46,332	58,930	No	No	No	High school diploma or equivalent	No	No	Yes
51-4192	Layout Workers, Metal and Plastic	36.803	51.780	58,930 57.057	Yes	No No	No No	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	29,930	40,575	46,065	No.	No	No	High school diploma or equivalent	No	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	29.845	39,935	42.156	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	30,071	35,851	39,128	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	34.429	48.908	53,449	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
51-5112	Printing Press Operators	26.215	38.887	44.877	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	28.080	42,160	55.095	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	22,212	27,071	30.228	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	24.595	28.610	29.785	No	No	No	No formal educational credential	Yes	No	No
51-6031	Sewing Machine Operators	22,336	31,818	36,574	No	No	No	No formal educational credential	No	No	Yes
51-6041	Shoe and Leather Workers and Repairers	25,532	35,741	40,347	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	29.336	42.384	50.143	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	23,896	32,295	32,923	No	No	No	No formal educational credential	No	No	No
51-6052	Tailors, Dressmakers, and Custom Sewers	34,193	40,121	39,032	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	25,012	29,954	30,615	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	26,459	33,425	37,374	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	29,910	34,397	37,453	No	No	No	High school diploma or equivalent	No	No	No
	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and										
51-6064	Tenders	25,218	36,402	41,376	No	No	No	High school diploma or equivalent	No	No	No
	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and										
51-6091	Glass Fibers	36,619	63,798	90,739	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	29,271	54,760	84,616	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6093	Upholsterers	27,562	40,995	44,835	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	29,650	37,030	41,300	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	30,533	41,053	46,798	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	37,107	45,641	52,575	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-7031	Model Makers, Wood	35,827	56,429	65,673	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	28,350	37,572	41,311	No	No	No	High school diploma or equivalent	No No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	26,972	36,630	45,252	No	No	No No	High school diploma or equivalent	No.	No	No
51-7099 51-8011	Woodworkers, All Other	29,845	35,340	35,719	No	No	No	High school diploma or equivalent	No	No	No
51-8011	Nuclear Power Reactor Operators  Power Distributors and Dispatchers	52,614	83,012	105,098	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers Power Plant Operators	58,163 50.329	96,190 81.499	112,402 99.684	Yes Yes	Yes	Yes	High school diploma or equivalent	Yes Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	50,329 56,712	81,499 75,491	99,684 76,655	Yes	Yes	Yes Yes	Postsecondary nondegree award	Yes Yes	Yes	Yes Yes
51-8021	Water and Wastewater Treatment Plant and System Operators	39.017	75,491 56.089	63,951	Yes	Yes No	Yes No	Postsecondary nondegree award Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	45,342	67,168	72,717	Yes	Yes	Yes		Yes	Yes	Yes
51-8091	Gas Plant Operators	45,342 46.338	60,493	69.096	Yes	Yes	Yes	Associate's degree High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	46,338 52,538	68,187	85,096 85,917	Yes	Yes	Yes	High school diploma or equivalent High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	43.776	63,343	70,533	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	32,349	50,577	61,338	No.	No	No	High school diploma or equivalent	Yes	Yes	Yes
	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,	32,343	30,311	02,550	1			g	1 1		
51-9012	Operators, and Tenders	26.919	40.123	42.656	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	28,347	49,373	60,474	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9022	Grinding and Polishing Workers, Hand	30,864	38,548	41,918	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	28,136	39,610	46,418	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	23,787	38,645	43,413	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	29,828	40,225	47,703	No	No	No	High school diploma or equivalent	No	No	No
	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and	,	,	,		-				-	-
51-9041	Tenders	30,040	41,419	48,962	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	33,237	42,568	47,781	No	No	No	High school diploma or equivalent	Yes	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	28,258	49,823	60,716	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	27.288	53,069	62,032	No	No	No	High school diploma or equivalent	No	Yes	Yes
21-90/1											

/lay 2022	gion 21	Annual W	ages (\$) by Occupat	tion	Wage Mee	ts or Exceeds All C	Occupation Metric		Wage Meets	s or Exceeds Educa	ional Level Metric
			Average Annual	High-Level Wage	Representative	Average Annu			Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-9082	Medical Appliance Technicians	30,767	43,684	54,066	No	No	No	Postsecondary nondegree award	No	No	No
51-9083	Ophthalmic Laboratory Technicians	24,736 22,504	35,811	37,393 37.069	No	No	No	High school diploma or equivalent	No	No	No
51-9111 51-9123	Packaging and Filling Machine Operators and Tenders	22,504	31,500	37,069 43,810	No No	No No	No No	High school diploma or equivalent	No No	No	No No
51-9123 51-9124	Painting, Coating, and Decorating Workers	,	35,783	,				High school diploma or equivalent	1	No	
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders Semiconductor Processing Technicians	34,301 41.268	46,623	55,124 55,074	No	No	No	High school diploma or equivalent	Yes	No	No
51-9151	Photographic Process Workers and Processing Machine Operators	41,268 25.370	51,931 38,363	41.311	Yes No	No No	No No	High school diploma or equivalent	Yes No	Yes	No No
51-9161	Computer Numerically Controlled Tool Operators	25,370	38,303 42,418	51,951	No No	No No	No No	High school diploma or equivalent  Postsecondary nondegree award	No.	No No	No No
51-9162	Computer Numerically Controlled Tool Programmers	35.769	60.586	75.491	Yes	Yes	Yes	Associate's degree	No No	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	25,218	36,402	41,376	No	No	No	High school diploma or equivalent	No.	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	28.241	39.079	51,227	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	29,921	49,591	52,820	No	No	No	High school diploma or equivalent	No	Yes	No
51-9194	Etchers and Engravers	31.677	37,778	41,636	No	No	No	High school diploma or equivalent	Yes	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	31,514	41,734	46,383	No	No	No	High school diploma or equivalent	Yes	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	31,623	48,203	56,786	No	No	No	High school diploma or equivalent	Yes	No	Yes
51-9197	Tire Builders	31,471	40,726	44,009	No	No	No	High school diploma or equivalent	Yes	No	No
51-9198	HelpersProduction Workers	25,547	33,271	37,411	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	22,515	35,601	41,682	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	41,029	61,869	67,493	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
	First-Line Supervisors of Transportation and Material Moving Workers, Except										
53-1047	Aircraft Cargo Handling Supervisors	36,097	59,432	72,005	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	118,049	293,382	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	65,350	139,585	166,917	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	89,793	125,673	145,007	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	29,901	56,955	73,763	No	No	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	38,157	75,079	85,732	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	27,906	33,227	35,275	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	21,797	32,633	41,639	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	35,163	50,905	56,258	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	28,107	43,676	46,619	No	No	No	High school diploma or equivalent	No	No	No
53-3051	Bus Drivers, School	27,560	34,179	34,581	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	29,715	41,197	57,869	No	No	No	High school diploma or equivalent	No	No	Yes
53-3053	Shuttle Drivers and Chauffeurs	24,069	32,784	33,960	No	No	No	High school diploma or equivalent	No	No	No
53-3054 53-3099	Taxi Drivers	22,617 22.428	34,343	34,614 34,387	No No	No No	No No	No formal educational credential	No No	Yes No	No No
53-3099	Motor Vehicle Operators, All Other Locomotive Engineers	, .	32,323					High school diploma or equivalent	+ +		
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	61,327 34,895	74,494 58,499	80,476 56,353	Yes Yes	Yes	Yes No	High school diploma or equivalent High school diploma or equivalent	Yes Yes	Yes	Yes Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers			67.071							
53-4031	Railroad Conductors and Yardmasters	42,406 68.675	64,123 77,518	80,530	Yes Yes	Yes	Yes Yes	High school diploma or equivalent High school diploma or equivalent	Yes Yes	Yes	Yes Yes
53-4041	Subway and Streetcar Operators	31.666	45.256	56.841	No.	No	No	High school diploma or equivalent	Yes	No	Yes
53-4099	Rail Transportation Workers, All Other	44.714	45,462	44,725	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-5011	Sailors and Marine Oilers	31,558	49,352	54,446	No.	No	No	High school diploma or equivalent	Yes	Yes	No
53-5021	Captains, Mates, and Pilots of Water Vessels	44.635	103,699	126.584	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	30.875	49,233	57.697	No	No	No	Postsecondary nondegree award	No.	Yes	Yes
53-5031	Ship Engineers	44,809	72,772	72,222	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	26,096	34,722	39,425	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	20,948	26,590	28,733	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	24,549	32,911	36.318	No	No	No	No formal educational credential	Yes	Yes	Yes
53-6032	Aircraft Service Attendants	31.046	36,224	37.271	No	No	No	High school diploma or equivalent	Yes	No	No
53-6041	Traffic Technicians	30,952	47,206	58,966	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	35,545	67,208	97,411	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	23,061	35,318	41,279	No	No	No	High school diploma or equivalent	No	No	No
53-6099	Transportation Workers, All Other	20,977	29,868	30,919	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	32,013	37,529	38,808	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7021	Crane and Tower Operators	36,776	63,101	77,589	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	38,699	51,292	53,416	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
53-7041	Hoist and Winch Operators	34,960	54,782	56,136	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	30,222	40,099	44,630	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	22,565	30,725	33,440	No	No	No	No formal educational credential	No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	24,911	33,381	37,133	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	31,471	40,726	44,009	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7064	Packers and Packagers, Hand	22,003	27,014	27,162	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	27,606	34,370	38,110	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	33,270	39,685	36,868	No	No	No	High school diploma or equivalent	Yes	No	No
53-7072	Pump Operators, Except Wellhead Pumpers	35,567	50,024	56,158	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7073	Wellhead Pumpers	33,270	39,685	36,868	No	No	No	High school diploma or equivalent	Yes	No	No
53-7081	Refuse and Recyclable Material Collectors	31,851	44,875	50,800	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	41,220	58,160	81,268	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
53-7199	Material Moving Workers, All Other	25,626	31,974	37,106	No	No	No	No formal educational credential	Yes	No	Yes

^{*} indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

## Summary - Workforce Region 21

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	34,362	57,905	66,336	829
No formal educational credential	24,112	32,511	35,238	85
High school diploma or equivalent	30,791	48,484	56,132	236
Some college, no degree	28,650	43,644	49,194	49
Postsecondary nondegree award	32,700	47,917	54,554	90
Associate's degree	40,080	58,615	67,690	68
Bachelor's degree	47,910	93,518	109,219	185
Master's degree	52,915	83,277	96,745	43
Doctoral or professional degree	58,024	144,095	159,022	73

	Representative	Starting Wage	Average Ar	nual Wage	High-Level Wage Threshold			
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric		
All Occupations	452	377	471	358	460	369		
No formal educational credential	36.47%	63.53%	32.94%	67.06%	29.41%	70.59%		
High school diploma or equivalent	60.59%	39.41%	75.00%	25.00%	74.58%	25.42%		
Some college, no degree	26.53%	73.47%	30.61%	69.39%	30.61%	69.39%		
Postsecondary nondegree award	44.44%	55.56%	28.89%	71.11%	27.78%	72.22%		
Associate's degree	57.35%	42.65%	38.24%	61.76%	39.71%	60.29%		
Bachelor's degree	58.38%	41.62%	67.03%	32.97%	65.41%	34.59%		
Master's degree	67.44%	32.56%	58.14%	41.86%	53.49%	46.51%		
Doctoral or professional degree	67.12%	32.88%	68.49%	31.51%	65.75%	34.25%		

Wages - Workforce Re May 2022	551011 22	Annual V	Vages (\$) by Occupat	tion I	Wage Mee	ts or Exceeds All O	Occupation Metric		1 1	Wase Meets	or Exceeds Education	onal Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
11-1011	Chief Executives	57,558	231,657	*	Yes	Yes	Yes*	Bachelor's degree		Yes	Yes	Yes*
11-1021	General and Operations Managers	41,837	116,379	143,999	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-1031	Legislators	24,686	72,519	104,304	No	Yes	Yes	Bachelor's degree		No	No	No
11-2011	Advertising and Promotions Managers	67,252	118,996	136,066	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2021	Marketing Managers	69,998	156,068	195,579	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2022 11-2032	Sales Managers Public Relations Managers	61,575 63,757	140,738 118.855	172,335 136.138	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2032	Fundraising Managers  Fundraising Managers	62,702	122,731	136,138	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes Yes
11-3012	Administrative Services Managers	48,776	108,959	134.228	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-3013	Facilities Managers	53,117	100,766	125,419	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	100.654	163,732	181,973	Yes	Yes	Yes	Bachelor's degree	1	Yes	Yes	Yes
11-3031	Financial Managers	78,339	164,872	200,016	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3051	Industrial Production Managers	37,535	112,409	140,354	Yes	Yes	Yes	Bachelor's degree	i i	No	Yes	Yes
11-3061	Purchasing Managers	77,105	135,409	163,918	Yes	Yes	Yes	Bachelor's degree	i i	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	52,084	109,041	133,767	Yes	Yes	Yes	Bachelor's degree	i i	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	77,367	120,368	157,381	Yes	Yes	Yes	Bachelor's degree	ĺ	Yes	Yes	Yes
11-3121	Human Resources Managers	74,994	132,970	162,274	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3131	Training and Development Managers	65,800	121,932	142,881	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	26,193	96,255	134,478	No	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-9021	Construction Managers	64,560	123,406	133,420	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	31,474	58,474	60,585	No	No	No	Bachelor's degree		No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	61,576	94,625	104,899	Yes	Yes	Yes	Master's degree	1	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	51,328	116,594	132,703	Yes	Yes	Yes	Master's degree	1 1	No	Yes	Yes
11-9039	Education Administrators, All Other	32,240	65,761	78,562	No	Yes	Yes	Master's degree		No	No	No
11-9041 11-9051	Architectural and Engineering Managers	101,179	164,100	191,533	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9051	Food Service Managers	42,224	80,712	95,296	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
	Gambling Managers	61,882	107,215	119,241	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
11-9072 11-9081	Entertainment and Recreation Managers, Except Gambling	40,071 49,659	74,782 100,818	96,502 126.104	Yes	Yes	Yes	Bachelor's degree		No	No	No
	Lodging Managers			-, -	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9111 11-9121	Medical and Health Services Managers  Natural Sciences Managers	63,642	120,318	130,686 141,653	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	46,130 82.405	111,577 99.842	141,653	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-9131	Property, Real Estate, and Community Association Managers	82,405 31,554	70.870	109,238 79.820	Yes No	Yes	Yes Yes	High school diploma or equivalent Bachelor's degree		Yes No	Yes No	Yes No
11-9151	Social and Community Service Managers	44,799	70,870	97,061	Yes	Yes	Yes	Bachelor's degree		No	No	No No
11-9161	Emergency Management Directors	51,341	104.333	135,273	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9171	Funeral Home Managers	50,739	87,683	88,843	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
11-9179	Personal Service Managers, All Other	49,205	83,589	99,012	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
11-9199	Managers, All Other	65,354	132.691	166.125	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	32,500	104,253	169,850	No	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-1020	Buyers and Purchasing Agents	38.003	67.635	81.587	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	40,317	67,512	80,327	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	53.600	74,548	85,223	Yes	Yes	Yes	Postsecondary nondegree award	1 1	Yes	Yes	Yes
13-1041	Compliance Officers	37,427	72,781	98,075	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
13-1051	Cost Estimators	37,316	70,714	85,231	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1071	Human Resources Specialists	40,090	78,281	82,182	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
13-1074	Farm Labor Contractors	.,		. , .								
13-1075	Labor Relations Specialists	36,398	76,933	99,175	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
13-1081	Logisticians	40,662	62,339	74,437	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1082	Project Management Specialists	52,117	99,427	121,085	Yes	Yes	Yes	Bachelor's degree	i i	Yes	Yes	Yes
13-1111	Management Analysts	37,435	95,323	118,540	Yes	Yes	Yes	Bachelor's degree	i i	No	No	Yes
13-1121	Meeting, Convention, and Event Planners	30,243	56,080	69,912	No	No	Yes	Bachelor's degree		No	No	No
13-1131	Fundraisers	38,590	63,206	80,643	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	44,734	68,661	77,624	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1151	Training and Development Specialists	36,363	65,594	81,574	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	40,675	98,816	101,435	Yes	Yes	Yes	Bachelor's degree	1	No	Yes	No
13-1199	Business Operations Specialists, All Other	37,620	68,958	81,983	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
13-2011	Accountants and Auditors	46,643	82,670	98,204	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2020	Property Appraisers and Assessors	43,570	65,193	79,532	Yes	Yes	Yes	Bachelor's degree	1	No	No	No
13-2031	Budget Analysts	51,454	78,901	96,872	Yes	Yes	Yes	Bachelor's degree	1	Yes	No	No
13-2041 13-2051	Credit Analysts	48,305	77,554	89,358	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2051	Financial and Investment Analysts Personal Financial Advisors	52,371	91,669 139,380	102,023	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
13-2052 13-2053	Personal Financial Advisors Insurance Underwriters	47,503 46.656	139,380 72.184	169,021 82,589	Yes	Yes	Yes	Bachelor's degree	+	No	Yes No	Yes No
13-2053	Financial Risk Specialists	46,656 49.811	72,184 114.889	82,589 133.176	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		No Yes	No Yes	No Yes
13-2054	Financial Examiners	49,811	88,176	133,176	Yes	Yes	Yes	Bachelor's degree		No	Yes No	Yes No
13-2061	Credit Counselors	47,507 32,533	88,176 54.055	103,779	Yes No	Yes No	Yes No	Bachelor's degree	+ +	No No	No No	No No
13-2072	Loan Officers	29,136	70.931	87,511	No	Yes	Yes	Bachelor's degree		No	No	No
13-2072	Tax Examiners and Collectors, and Revenue Agents	31,845	69,616	107,099	No	Yes	Yes	Bachelor's degree		No	No	No
13-2082	Tax Preparers	23,495	48.229	78.240	No No	No Yes	Yes	Postsecondary nondegree award		No	No	Yes
13-2099	Financial Specialists, All Other	35,443	64,549	75,620	Yes	Yes	Yes	Bachelor's degree	+ +	No	No	No No
15-1211	Computer Systems Analysts	53,797	100.091	126,991	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1212	Information Security Analysts	62,427	114,720	135,726	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	83,062	126,601	186,671	Yes	Yes	Yes	Master's degree	1 1	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	46,062	76,522	92,509	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1232	Computer User Support Specialists	33.440	57,491	66,604	No	No	No.	Postsecondary nondegree award		No	Yes	Yes
	Computer Network Architects	66,994	117,123	141.102	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	Yes	Yes
15-1241												
15-1241 15-1242	Database Administrators	57,543	106,715	130,729	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes

Nages - Workforce Re Nay 2022	egion 22	Annual W	ages (\$) by Occupat	tion	Wage Meet	or Evenade All (	Occupation Metric	T		Waga Maats	or Evenade Educat	ional Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
15-1244	Network and Computer Systems Administrators	55,342	94,925	109,938	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
15-1251 15-1252	Computer Programmers	53,012 52,410	94,198 116.871	111,019	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
15-1252	Software Developers Software Quality Assurance Analysts and Testers	52,410	93.485	138,545 119,267	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		Yes	Yes No	Yes Yes
15-1254	Web Developers	54,322	70,161	73,907	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1255	Web and Digital Interface Designers	46.371	87.972	98.384	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1299	Computer Occupations, All Other	25,886	81,679	107,958	No	Yes	Yes	Bachelor's degree		No	No	No
15-2011	Actuaries	70.985	124.512	154.145	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2021	Mathematicians	43,348	103,007	141,652	Yes	Yes	Yes	Master's degree		No	Yes	Yes
15-2031	Operations Research Analysts	43,897	84,486	105,278	Yes	Yes	Yes	Bachelor's degree		No	No	No
15-2041	Statisticians	50,138	89,481	100,526	Yes	Yes	Yes	Master's degree		No	Yes	Yes
15-2051	Data Scientists	59,660	109,418	127,807	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2099	Mathematical Science Occupations, All Other	44,129	90,837	110,029	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1011	Architects, Except Landscape and Naval	20,800	74,236	102,045	No	Yes	Yes	Bachelor's degree		No	No	No
17-1012	Landscape Architects	45,554	69,419	78,483	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1021	Cartographers and Photogrammetrists	64,353	85,311	97,241	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-1022	Surveyors	36,471	67,562	84,329	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2011 17-2021	Aerospace Engineers	78,728	99,656	110,389	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
	Agricultural Engineers	52.224	405.040	424.004			v					
17-2031 17-2041	Bioengineers and Biomedical Engineers	63,231 62,499	105,842 106,834	124,891 133,155	Yes	Yes	Yes Yes	Bachelor's degree	1	Yes Yes	Yes	Yes
17-2041 17-2051	Chemical Engineers Civil Engineers	62,499 47,840	106,834 96,006	133,155 122,821	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		Yes No	Yes Yes	Yes Yes
17-2061	Computer Hardware Engineers	47,840 79.504	125.416	161,188	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
17-2061	Electrical Engineers	79,504 54.641	125,416	161,188	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	78,675	100,136	132,609	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
17-2081	Environmental Engineers	33,254	79.313	106.133	No.	Yes	Yes	Bachelor's degree		No	No	No
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	56,479	91,180	105.622	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2112	Industrial Engineers	63,053	102,545	129,656	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	51,532	62,412	64,843	Yes	Yes	No	Bachelor's degree		Yes	No	No
17-2131	Materials Engineers	66,099	100,755	129,964	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2141	Mechanical Engineers	52,973	94,085	107,855	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	50,327	104,827	117,908	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2161	Nuclear Engineers	87,889	126,675	137,295	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2171	Petroleum Engineers	72,825	142,280	170,695	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2199	Engineers, All Other	48,755	86,308	97,336	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-3011	Architectural and Civil Drafters	41,091	58,072	64,768	Yes	No	No	Associate's degree		Yes	No	No
17-3012	Electrical and Electronics Drafters	47,795	67,101	77,897	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3013	Mechanical Drafters	35,360	50,255	53,059	Yes	No	No	Associate's degree		No	No	No
17-3019	Drafters, All Other	35,867	56,368	63,733	Yes	No	No	Associate's degree		No	No	No
17-3021 17-3022	Aerospace Engineering and Operations Technologists and Technicians  Civil Engineering Technologists and Technicians	39,522 36,456	60,572 56,963	67,381 64,576	Yes	Yes No	No No	Associate's degree		No No	Yes No	Yes No
17-3022	Electrical and Electronic Engineering Technologists and Technicians	36,456	61,699	69,800	Yes			Associate's degree				
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	35,096	65,670	80,396	Yes Yes	Yes	Yes Yes	Associate's degree Associate's degree		No No	Yes	Yes Yes
17-3024	Environmental Engineering Technologists and Technicians	35.867	49.381	59,424	Yes	No	No	Associate's degree		No	No	No
17-3026	Industrial Engineering Technologists and Technicians	38,765	58,807	74,768	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	32,669	59,073	69,365	No	Yes	Yes	Associate's degree		No	Yes	Yes
17-3028	Calibration Technologists and Technicians	42,373	68,826	87,369	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3029	Engineering Technologists and Technicians, Except Drafters, All Other	36,026	56,963	68,317	Yes	No	Yes	Associate's degree		No	No	Yes
17-3031	Surveying and Mapping Technicians	31,088	46,549	50,518	No	No	No	Associate's degree		No	No	No
19-1011	Animal Scientists	40,444	88,474	131,909	Yes	Yes	Yes	Master's degree		No	Yes	Yes
19-1012	Food Scientists and Technologists	48,593	95,617	119,995	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
19-1013	Soil and Plant Scientists	60,355	89,040	105,886	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19-1021	Biochemists and Biophysicists	40,105	76,320	82,348	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-1022	Microbiologists	39,045	61,967	75,333	Yes	Yes	Yes	Master's degree		No	No	No
19-1023	Zoologists and Wildlife Biologists	36,046	59,901	79,934	Yes	Yes	Yes	Master's degree		No	No	No
19-1029	Biological Scientists, All Other	52,000	59,399	57,678	Yes	Yes	No	Bachelor's degree		Yes	No	No
19-1031 19-1032	Conservation Scientists	41,861	57,614	61,850	Yes	No	No	Bachelor's degree		No	No	No No
	Foresters	40,509	65,467	77,095 103.469	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1041 19-1042	Epidemiologists  Modical Scientists Except Epidemiologists	40,955 58,367	74,137 106,106	103,469 131,992	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-1042 19-1099	Medical Scientists, Except Epidemiologists  Life Scientists, All Other	58,367 61.132	106,106 93.882	131,992	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes No
19-1099	Astronomers	61,132 84,421	93,882 172,678	100,330 242,231	Yes Yes	Yes	Yes Yes	Bachelor's degree  Doctoral or professional degree		Yes	No Yes	No Yes
19-2011	Physicists	84,421 84.421	172,678	242,231	Yes	Yes	Yes	Doctoral or professional degree  Doctoral or professional degree		Yes	Yes	Yes
19-2012	Atmospheric and Space Scientists	67,840	90.977	98.011	Yes	Yes	Yes	Bachelor's degree		Yes	No.	No Yes
19-2021	Chemists	38,543	71.922	82.222	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2032	Materials Scientists	74,635	125,873	147,255	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	39,000	77,617	101,129	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	44,411	96,159	105,715	Yes	Yes	Yes	Bachelor's degree		No	Yes	No
19-2043	Hydrologists	53,746	76,974	91,686	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19-2099	Physical Scientists, All Other	48,508	114,489	205,651	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
19-3011	Economists	64,850	110,793	125,159	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
19-3022	Survey Researchers	41,922	81,077	98,845	Yes	Yes	Yes	Master's degree		No	No	Yes
19-3032	Industrial-Organizational Psychologists	80,661	138,812	167,975	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	Yes
19-3033	Clinical and Counseling Psychologists	37,367	89,307	120,640	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3034	School Psychologists	49,515	80,509	88,604	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3039	Psychologists, All Other	49,796	85,986	116,055	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3041	Sociologists	31,807	63,614	55,107	No	Yes	No	Master's degree		No	No	No
19-3051	Urban and Regional Planners	57,874	81,725	97,942	Yes	Yes	Yes	Master's degree		Yes	No	Yes
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Wages - Workforce Re May 2022	-Division and	Annual W	/ages (\$) by Occupat	ion	Wage Meet	ts or Exceeds All O	Occupation Metric		Wage	Meets or Exceeds Fd	cational Level Metric
, 2022			Average Annual	High-Level Wage	Representative	Average Annua			Represent		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	<b>Educational Requirement</b>	Starting W	age Wage	Threshold
19-3091	Anthropologists and Archeologists	43,413	68,350	80,856	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	61,132	93,882	100,330	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093 19-3094	Historians	39,014 41.679	77,930	106,074 141.316	Yes	Yes	Yes	Master's degree	No No	No	Yes
19-3094	Political Scientists Social Scientists and Related Workers, All Other	51.478	104,090 84.936	98.634	Yes Yes	Yes	Yes	Master's degree	Yes	Yes	Yes No
19-4012	Agricultural Technicians	32,565	43,316	50,284	No No	Yes No	Yes No	Bachelor's degree Associate's degree	No No	No	No
19-4013	Food Science Technicians	32,505	60.227	77.617	No No	Yes	Yes	Associate's degree	No	Yes	Yes
19-4021	Biological Technicians	29,161	41,019	46,073	No	No	No	Bachelor's degree	No	No	No
19-4031	Chemical Technicians	30,370	46,556	49,988	No	No	No	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	28,203	45,250	51,579	No	No	No	Associate's degree	No	No	No
19-4043	Geological Technicians, Except Hydrologic Technicians	34,310	44,118	48,203	No	No	No	Associate's degree	No	No	No
19-4044	Hydrologic Technicians	42,890	59,596	71,906	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4051	Nuclear Technicians	42,373	68,826	87,369	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	32,184	56,212	62,731	No	No	No	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	36,868	51,129	60,839	Yes	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	47,383	68,717	80,065	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	22,338	45,444	59,624	No	No	No	Bachelor's degree	No	No	No
19-5011 19-5012	Occupational Health and Safety Specialists	41,434	71,261	85,866	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1012	Occupational Health and Safety Technicians  Educational, Guidance, and Career Counselors and Advisors	53,751 36.628	61,009 56,089	61,125 61,980	Yes	Yes No	No No	Postsecondary nondegree award	Yes No	Yes No	Yes No
21-1012	Marriage and Family Therapists	36,963	46,698	48,609	Yes Yes	No	No	Master's degree Master's degree	No	No	No
21-1015	Rehabilitation Counselors	30,905	50.608	50.805	No.	No.	No.	Master's degree	No No	No	No.
21-1015	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	31,017	52,768	63.057	No	No	No	Bachelor's degree	No	No	No.
21-1019	Counselors, All Other	31,180	43.848	45.749	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	36,941	48,902	57,781	Yes	No	No	Bachelor's degree	No	No	No.
21-1022	Healthcare Social Workers	36,856	59,266	69,293	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	33,464	49,587	60.347	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	35,027	57,289	56,659	Yes	No	No	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	36,316	68,240	101,073	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	34.840	50,544	61.146	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	28,957	45,186	51,625	No	No	No	Some college, no degree	No	Yes	Yes
21-1094	Community Health Workers	35,525	51,955	63,359	Yes	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	31,973	74,656	84,450	No	Yes	Yes	Bachelor's degree	No	No	No
21-2011	Clergy	27,639	56,434	65,608	No	No	No	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	31,356	51,367	63,667	No	No	No	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	31,753	52,495	66,139	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	57,558	142,431	164,852	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
23-1012	Judicial Law Clerks	30,555	49,559	48,256	No	No	No	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	46,209	101,565	126,122	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	33,845	61,797	84,445	No	Yes	Yes	Bachelor's degree	No	No	No
23-1023	Judges, Magistrate Judges, and Magistrates	46,209	101,565	126,122	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-2011	Paralegals and Legal Assistants	37,678	59,405	67,084	Yes	Yes	No	Associate's degree	No	Yes	Yes
23-2093	Title Examiners, Abstractors, and Searchers	36,597	58,541	70,370	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
25-2099	Legal Support Workers, All Other  Business Teachers, Postsecondary	29,767 40,562	61,191 85,751	66,851 137,117	No Yes	Yes	No Yes	Associate's degree	No No	Yes No	No No
25-1011	·	40,562	94,110	101,484		Yes		Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary  Mathematical Science Teachers, Postsecondary	50,295	73,478	75,108	Yes Yes	Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree	No	No	No
25-1022	Architecture Teachers, Postsecondary	42.059	111,600	139,929	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	50,999	97.892	134.673	Yes	Yes	Yes	Doctoral or professional degree	No.	No	No.
25-1041	Agricultural Sciences Teachers, Postsecondary	48,702	67,569	82,156	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	60,630	77.317	80.761	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	48,702	67.569	82.156	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	50,739	69,726	67,558	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	54,656	110,480	142,718	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	48,268	78,461	97,816	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	51,996	69,888	69,065	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	50,739	92,451	108,620	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	52,701	72,663	83,424	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	50,989	64,567	59,279	Yes	Yes	No	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	50,739	69,726	67,558	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	49,034	52,386	58,009	Yes	No	No	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	51,279	94,500	99,041	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	51,931	109,357	130,609	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	49,779	61,977	59,289	Yes	Yes	No	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	50,021	104,252	128,107	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	45,414	71,404	77,858	Yes	Yes	Yes	Master's degree	No	No	No
25-1081	Education Teachers, Postsecondary	50,324	80,898	98,373	Yes	Yes	Yes	Doctoral or professional degree	No	No	No No
25-1082 25-1111	Library Science Teachers, Postsecondary  Criminal Justice and Law Enforcement Teachers, Postsecondary	52,538	80,476	88,680	Yes	Yes	Yes	Doctoral or professional degree	No	No	No No
25-1111	. ,	39,924	45,719	49,672	Yes	No Vos	No	Doctoral or professional degree	No	No No	No
25-1112	Law Teachers, Postsecondary	65,001 66.431	131,917 76,196	174,635 83,727	Yes	Yes	Yes	Doctoral or professional degree	Yes	No No	Yes No
25-1113 25-1121	Social Work Teachers, Postsecondary  Art, Drama, and Music Teachers, Postsecondary	46,252	76,196 86,402	98,959	Yes	Yes	Yes	Doctoral or professional degree	Yes No		Yes
25-1121	Art, Drama, and Music Teachers, Postsecondary  Communications Teachers, Postsecondary	46,252	86,402 86,849	107,732	Yes		Yes	Master's degree		Yes	
25-1122 25-1123	English Language and Literature Teachers, Postsecondary	49,829 48,776	86,849 62,704	107,732 72,800	Yes	Yes	Yes	Doctoral or professional degree	No No	No	No No
		44,551	73,660	72,800 85,526	Yes Yes	Yes	Yes Yes	Doctoral or professional degree  Doctoral or professional degree	No No	No No	No No
25-1124							162	Portoral or professional degree	No		No
25-1124 25-1125	Foreign Language and Literature Teachers, Postsecondary  History Teachers, Postsecondary										No
25-1124 25-1125 25-1126	History Teachers, Postsecondary History Teachers, Postsecondary Philosophy and Religion Teachers, Postsecondary	45,581 39,739	60,352 64.106	53,113 81.819	Yes Yes	Yes Yes	No Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No No

May 2022	egion 22	Annual W	/ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All O	Occupation Metric			Vage Meet	s or Exceeds Educat	tional Level Metric
,			Average Annual	High-Level Wage	Representative	Average Annu				sentative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	<b>Educational Requirement</b>	Start	ng Wage	Wage	Threshold
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	47,737	81,452	85,917	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1194	Career/Technical Education Teachers, Postsecondary	37,999	61,566	78,373	Yes	Yes	Yes	Master's degree	No		No	No
25-1199 25-2011	Postsecondary Teachers, All Other Preschool Teachers, Except Special Education	25,078 21,439	51,625 31.046	64,173 34,325	No No	No No	No No	Doctoral or professional degree Associate's degree	No No		No No	No No
25-2011	Kindergarten Teachers, Except Special Education	47,629	63,928	72,197	Yes	Yes	Yes	Bachelor's degree	No		No	No
25-2012	Elementary School Teachers, Except Special Education	46,996	60,193	78,842	Yes	Yes	Yes	Bachelor's degree	No		No	No
25-2021	Middle School Teachers, Except Special and Career/Technical Education	48.007	57.596	61,381	Yes	No	No.	Bachelor's degree	No		No	No
25-2023	Career/Technical Education Teachers, Middle School	51,660	71,395	80,910	Yes	Yes	Yes	Bachelor's degree	Yes		No	No
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	47,798	62,794	78,513	Yes	Yes	Yes	Bachelor's degree	No		No	No
25-2032	Career/Technical Education Teachers, Secondary School	51,205	67,894	73,595	Yes	Yes	Yes	Bachelor's degree	Yes		No	No
25-2051	Special Education Teachers, Preschool	41,018	65,315	83,294	Yes	Yes	Yes	Bachelor's degree	No		No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	47,651	62,617	70,506	Yes	Yes	Yes	Bachelor's degree	No		No	No
25-2057	Special Education Teachers, Middle School	51,021	69,043	85,158	Yes	Yes	Yes	Bachelor's degree	Yes		No	No
25-2058	Special Education Teachers, Secondary School	49,913	68,009	77,749	Yes	Yes	Yes	Bachelor's degree	Yes		No	No
25-2059	Special Education Teachers, All Other	29,234	45,755	57,872	No	No	No	Bachelor's degree	No		No	No
	Adult Basic Education, Adult Secondary Education, and English as a Second											
25-3011	Language Instructors	40,509	62,335	80,270	Yes	Yes	Yes	Bachelor's degree	No		No	No
25-3021 25-3031	Self-Enrichment Teachers Substitute Teachers, Short-Term	23,257 27,413	42,993 41,017	54,552 37,141	No No	No No	No No	Some college, no degree  Bachelor's degree	No No		No No	Yes No
25-3041	Tutors	27,413	39.718	49.382	No No	No No	No No	Bachelor's degree	No.		No No	No No
25-3099	Teachers and Instructors, All Other	23,908	47,127	56,686	No	No	No	Bachelor's degree	No		No	No
25-3099	Archivists	31.829	50.967	60.861	No No	No No	No No	Master's degree	No.		No No	No No
25-4012	Curators	41.199	52,013	54,027	Yes	No	No	Master's degree	No		No	No
25-4013	Museum Technicians and Conservators	31,296	44.305	50.073	No	No	No	Bachelor's degree	No		No	No
25-4022	Librarians and Media Collections Specialists	48,945	66,214	78,090	Yes	Yes	Yes	Master's degree	No		No	No
25-4031	Library Technicians	37,652	45,824	47,156	Yes	No	No	Associate's degree	No		No	No
25-9021	Farm and Home Management Educators	31,915	51,346	63,137	No	No	No	Master's degree	No		No	No
25-9031	Instructional Coordinators	36,764	61,710	79,332	Yes	Yes	Yes	Master's degree	No		No	No
25-9044	Teaching Assistants, Postsecondary	22,037	33,109	38,049	No	No	No	Bachelor's degree	No		No	No
25-9045	Teaching Assistants, Except Postsecondary	22,932	29,264	29,793	No	No	No	Some college, no degree	No		No	No
25-9099	Educational Instruction and Library Workers, All Other	20,800	47,940	65,161	No	No	No	Bachelor's degree	No		No	No
27-1011	Art Directors	50,295	86,386	98,357	Yes	Yes	Yes	Bachelor's degree	Yes		No	No
27-1012	Craft Artists	23,040	37,204	42,904	No	No	No	Some college, no degree	No		No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	27,490	46,881	44,393	No	No	No	Bachelor's degree	No		No	No
27-1014	Special Effects Artists and Animators	47,517	69,709	77,157	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-1019	Artists and Related Workers, All Other	27,029	38,370	46,426	No	No	No	Some college, no degree	No		No	No
27-1021	Commercial and Industrial Designers	41,600	63,395	74,719	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-1022	Fashion Designers	44,331	69,870	79,477	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-1023	Floral Designers	28,289	35,143	36,316	No	No	No	High school diploma or equivalent	No		No	No
27-1024	Graphic Designers	35,267	60,102	68,361	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-1025 27-1026	Interior Designers	35,261	64,745	78,466	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-1026 27-1027	Merchandise Displayers and Window Trimmers  Set and Exhibit Designers	28,002	35,852	39,825	No	No No	No No	Some college, no degree	No		No	No
27-1027	Designers, All Other	39,545	49,992 55.666	51,758 68.047	Yes	No No		Bachelor's degree	No		No.	No
27-2011	Actors	26,002 32,641	37,225	34,776	No No	No No	Yes No	Bachelor's degree Some college, no degree	No Yes		No No	No No
27-2011	Producers and Directors	38,660	83.454	106.495	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-2012	Athletes and Sports Competitors	27,515	70,203	69,813	No	Yes	Yes	Some college, no degree	No		Yes	Yes
27-2021	Coaches and Scouts	26,626	71,100	58.367	No.	Yes	No.	Bachelor's degree	No		No	No
27-2023	Umpires, Referees, and Other Sports Officials	22,996	50.197	50,458	No	No	No	Some college, no degree	No.		Yes	Yes
27-2031	Dancers	32,641	37,225	34,776	No	No	No	High school diploma or equivalent	Yes		No	No
27-2032	Choreographers	32,641	37,225	34,776	No	No	No	Some college, no degree	Yes		No	No
27-2041	Music Directors and Composers	31,748	78,415	107,604	No	Yes	Yes	Bachelor's degree	No		No	No
27-2042	Musicians and Singers	32,641	37,225	34,776	No	No	No	Some college, no degree	Yes		No	No
27-2091	Disc Jockeys, Except Radio	24,058	65,781	65,142	No	Yes	No	Bachelor's degree	No		No	No
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	24,058	65,781	65,142	No	Yes	No	Some college, no degree	No		Yes	Yes
27-3011	Broadcast Announcers and Radio Disc Jockeys	28,213	79,880	102,625	No	Yes	Yes	Bachelor's degree	No		No	No
27-3023	News Analysts, Reporters, and Journalists	39,284	78,504	93,665	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-3031	Public Relations Specialists	31,724	66,442	77,210	No	Yes	Yes	Bachelor's degree	No		No	No
27-3041	Editors	38,527	64,739	77,405	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-3042	Technical Writers	47,273	76,181	89,538	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-3043	Writers and Authors	37,150	64,671	76,328	Yes	Yes	Yes	Bachelor's degree	No		No	No
27-3091	Interpreters and Translators	31,200	54,414	72,906	No	No	Yes	Bachelor's degree	No		No	No
27-3092	Court Reporters and Simultaneous Captioners	28,285	53,489	63,888	No	No	No	Postsecondary nondegree award	No		Yes	Yes
27-3099	Media and Communication Workers, All Other	21,706	46,786	54,969	No	No	No	Associate's degree	No		No	No
27-4011 27-4012	Audio and Video Technicians	25,707	47,556	58,134	No	No	No	Associate's degree	No		No	No
27-4012 27-4014	Broadcast Technicians Sound Engineering Technicians	29,542 26,359	69,487 66,630	91,812 85,128	No No	Yes	Yes	Associate's degree	No No		Yes	Yes
27-4014	Lighting Technicians					Yes	Yes	Associate's degree			Yes	Yes
27-4015	Photographers	32,500 28,507	53,405 49,398	65,727 61,243	No No	No No	No No	Associate's degree	No No		No Yes	No Yes
27-4021	Camera Operators, Television, Video, and Film	28,507 34,124	49,398 53,501	54,291	No No	No No	No No	Some college, no degree	No No		Yes No	Yes No
27-4032	Film and Video Editors	34,124	53,501	65.000	No No	No No	No No	Bachelor's degree Bachelor's degree	No No		No No	No No
27-4099	Media and Communication Equipment Workers, All Other	31,394	78,113	91,686	No	Yes	Yes	Associate's degree	No		Yes	Yes
29-1011	Chiropractors	43,435	84,254	83.852	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
29-1021	Dentists, General	55,308	165,979	213,386	Yes	Yes	Yes	Doctoral or professional degree	No		Yes	Yes
29-1021	Oral and Maxillofacial Surgeons	56,927	246.338	213,300	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1023	Orthodontists	76,304	185.239	230,722	Yes	Yes	Yes	Doctoral or professional degree	Yes		Yes	Yes
		56.927	246.338	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1024	Prosthodontists											

Wages - Workforce Re May 2022	egion 22	Annual M	/ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All O	Accumpation Matric	1		Vago Mooto	or Exceeds Educat	ional Lovel Metric
Way 2022			Average Annual	High-Level Wage	Representative	Average Annua				sentative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		ng Wage	Wage	Threshold
29-1031	Dietitians and Nutritionists	48,385	66,201	77,965	Yes	Yes	Yes	Bachelor's degree	No		No	No
29-1041	Optometrists	35,984	79,467	83,054	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
29-1051 29-1071	Pharmacists  Physician Appleador	71,792 50.818	127,136 118.781	139,324 137,769	Yes	Yes	Yes	Doctoral or professional degree	Yes		No	No
29-1071	Physician Assistants Podiatrists	30,972	69.388	80.157	Yes No	Yes	Yes Yes	Master's degree	No No		Yes No	Yes No
29-1122	Occupational Therapists	73,724	92,159	98,954	Yes	Yes	Yes	Doctoral or professional degree Master's degree	Yes		Yes	Yes
29-1123	Physical Therapists	39.190	89.216	102.471	Yes	Yes	Yes	Doctoral or professional degree	No		No	No.
29-1124	Radiation Therapists	68,361	85,519	90,806	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-1125	Recreational Therapists	37,398	56,277	61,474	Yes	No	No	Bachelor's degree	No		No	No
29-1126	Respiratory Therapists	49,330	69,334	77,555	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-1127	Speech-Language Pathologists	61,404	87,672	98,471	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-1128	Exercise Physiologists	39,623	50,804	51,205	Yes	No	No	Master's degree	No		No	No
29-1129	Therapists, All Other	32,340	66,597	101,136	No	Yes	Yes	Bachelor's degree	No		No	No
29-1131	Veterinarians	55,349	126,883	156,859	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
29-1141	Registered Nurses	62,044	83,329	96,100	Yes	Yes	Yes	Bachelor's degree	Yes		No	No
29-1151 29-1161	Nurse Anesthetists	144,997	174,018	206,956	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-1161	Nurse Midwives Nurse Practitioners	67,995 61,201	90,915 102,319	112,218 123.473	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-1171	Audiologists	66,459	81,199	98,020	Yes Yes	Yes	Yes Yes	Master's degree  Doctoral or professional degree	Yes		Yes No	Yes No
29-1211	Anesthesiologists	174.991	302.529	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1212	Cardiologists	88,425	433,495	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1213	Dermatologists	102,008	136,527	102,009	Yes	Yes	Yes	Doctoral or professional degree	Yes		No	No
29-1214	Emergency Medicine Physicians	177,234	376,966	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1215	Family Medicine Physicians	79,956	221,248	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1216	General Internal Medicine Physicians	55,711	220,756	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1217	Neurologists	112,298	346,494	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1218	Obstetricians and Gynecologists	130,536	288,761	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1221	Pediatricians, General	62,211	163,453	238,229	Yes	Yes	Yes	Doctoral or professional degree	Yes		Yes	Yes
29-1222	Physicians, Pathologists	66,315	134,893	213,463	Yes	Yes	Yes	Doctoral or professional degree	Yes		No	Yes
29-1223 29-1224	Psychiatrists	56,704	242,647		Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1224	Radiologists Physicians, All Other	59,242 106.104	261,329 223.983	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1225	Ophthalmologists, Except Pediatric	110,104	223,983	*	Yes Yes	Yes	Yes* Yes*	Doctoral or professional degree  Doctoral or professional degree	Yes		Yes	Yes* Yes*
29-1241	Orthopedic Surgeons, Except Pediatric	64,815	270,519	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1242	Pediatric Surgeons	70,441	347,253	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes		Yes	Yes*
29-1249	Surgeons, All Other	55.711	212.229	*	Yes	Yes	Yes*	Doctoral or professional degree	No		Yes	Yes*
29-1291	Acupuncturists	31,428	54,792	59,160	No	No	No	Master's degree	No		No	No
29-1292	Dental Hygienists	58,073	74,412	81,185	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-1299	Healthcare Diagnosing or Treating Practitioners, All Other	77,430	165,148	208,000	Yes	Yes	Yes	Master's degree	Yes		Yes	Yes
29-2010	Clinical Laboratory Technologists and Technicians	31,619	58,157	76,626	No	No	Yes	Associate's degree	No		No	Yes
29-2031	Cardiovascular Technologists and Technicians	32,609	54,094	77,245	No	No	Yes	Associate's degree	No		No	Yes
29-2032	Diagnostic Medical Sonographers	62,183	76,317	83,536	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-2033	Nuclear Medicine Technologists	63,549	79,350	84,418	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-2034	Radiologic Technologists and Technicians	46,025	63,207	75,621	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	56,457	73,737	80,746	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
29-2036 29-2042	Medical Dosimetrists  Emergency Medical Technicians	101,758 28,896	123,598 39,591	133,188 44,909	Yes No	Yes No	Yes No	Postsecondary nondegree award Postsecondary nondegree award	Yes No		Yes No	Yes No
29-2042	Paramedics	38,546	57,168	63,023	Yes	No	No	Postsecondary nondegree award	Yes		Yes	Yes
29-2051	Dietetic Technicians	28.611	33,979	34.431	No.	No.	No.	Associate's degree	No.		No.	No.
29-2052	Pharmacy Technicians	30,127	39,823	46,067	No	No	No	Postsecondary nondegree award	No		No	No
29-2053	Psychiatric Technicians	28,524	39.023	46.144	No	No	No	Postsecondary nondegree award	No		No	No
29-2055	Surgical Technologists	35,803	52,546	60,500	Yes	No	No	Postsecondary nondegree award	Yes		Yes	Yes
29-2056	Veterinary Technologists and Technicians	30,349	40,956	48,016	No	No	No	Associate's degree	No		No	No
29-2057	Ophthalmic Medical Technicians	26,408	42,243	49,075	No	No	No	Postsecondary nondegree award	No		No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	39,830	55,355	61,450	Yes	No	No	Postsecondary nondegree award	Yes		Yes	Yes
29-2072	Medical Records Specialists	31,369	49,827	59,409	No	No	No	Postsecondary nondegree award	No		No	Yes
29-2081	Opticians, Dispensing	25,140	48,145	58,240	No	No	No	Postsecondary nondegree award	No		No	No
29-2091	Orthotists and Prosthetists	41,038	85,596	101,081	Yes	Yes	Yes	Master's degree	No		Yes	Yes
29-2092	Hearing Aid Specialists	35,113	53,859	65,181	Yes	No	No	Postsecondary nondegree award	Yes		Yes	Yes
29-2099	Health Technologists and Technicians, All Other	31,831	43,626	44,848	No	No	No	Postsecondary nondegree award	No		No	No
29-9021 29-9091	Health Information Technologists and Medical Registrars Athletic Trainers	35,375 49,700	55,321 62,771	64,981 66,315	Yes Yes	No	No No	Postsecondary nondegree award	Yes		Yes No	Yes No
29-9091	Genetic Counselors	90,740	98,202	103.213	Yes	Yes	Yes	Bachelor's degree Master's degree	Yes		Yes	Yes
29-9093	Surgical Assistants	44,153	70.001	85.804	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
29-9099	Healthcare Practitioners and Technical Workers, All Other	28,966	60,152	78,478	No	Yes	Yes	Postsecondary nondegree award	No		Yes	Yes
31-1120	Home Health and Personal Care Aides	21,463	27,722	30,261	No	No	No	High school diploma or equivalent	No		No	No
31-1131	Nursing Assistants	27,105	33,219	36,005	No	No	No	Postsecondary nondegree award	No		No	No
31-1132	Orderlies	28,205	32,369	34,721	No	No	No	High school diploma or equivalent	No		No	No
31-1133	Psychiatric Aides	28,456	38,943	36,276	No	No	No	High school diploma or equivalent	No		No	No
31-2011	Occupational Therapy Assistants	54,642	66,589	75,082	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
	Occupational Therapy Aides	31,533	61,653	81,611	No	Yes	Yes	Postsecondary nondegree award	No		Yes	Yes
31-2012	Physical Therapist Assistants	47,044	66,102	76,869	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
31-2021					No	No	No	Postsecondary nondegree award	No		No	No
31-2021 31-2022	Physical Therapist Aides	22,112	29,324	31,749								
31-2021 31-2022 31-9011	Physical Therapist Aides Massage Therapists	33,468	52,114	57,388	No	No	No	Postsecondary nondegree award	No		Yes	No
31-2021 31-2022 31-9011 31-9091	Physical Therapist Aides Massage Therapists Dental Assistants	33,468 31,816	52,114 40,902	57,388 45,774	No No	No No	No No	Postsecondary nondegree award Postsecondary nondegree award	No No		Yes No	No No
31-2021 31-2022 31-9011	Physical Therapist Aides Massage Therapists	33,468	52,114	57,388	No	No	No	Postsecondary nondegree award	No		Yes	No

May 2022	egion 22	Annual W	/ages (\$) by Occupat	ion I		Wage Meet	or Exceeds All O	ccupation Metric		1 1	Wage Meets	or Exceeds Education	onal Level Metric
, 2022			Average Annual	High-Level Wage	_	Representative	Average Annua			<b> </b>	Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)		Starting Wage	Wage	Threshold	<b>Educational Requirement</b>		Starting Wage	Wage	Threshold
31-9095	Pharmacy Aides	23,913	32,657	38,544		No	No	No	High school diploma or equivalent	L Į	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	28,479	34,839	37,528		No	No	No	High school diploma or equivalent		No	No	No
31-9097 31-9099	Phlebotomists	31,704	39,279	41,600		No No	No No	No No	Postsecondary nondegree award	1	No	No	No
33-1011	Healthcare Support Workers, All Other First-Line Supervisors of Correctional Officers	28,372 33.301	39,878 63.160	44,134 80,104		No	Yes	No Yes	High school diploma or equivalent	H	No Yes	No Yes	No Yes
33-1011	First-Line Supervisors of Correctional Officers  First-Line Supervisors of Police and Detectives	77,626	113,119	130.857		Yes	Yes	Yes	Some college, no degree  Bachelor's degree		Yes	Yes	Yes
33-1012	First-Line Supervisors of Force and Detectives  First-Line Supervisors of Firefighting and Prevention Workers	77,626	99.012	130,857		Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
33-1021	First-Line Supervisors of Security Workers	30,551	50,841	59,413		No	No	No	Bachelor's degree		No	No	No
33-1099	First-Line Supervisors of Protective Service Workers, All Other	44,404	63.153	67.392		Yes	Yes	No	Some college, no degree		Yes	Yes	Yes
33-2011	Firefighters	47,903	66,713	76,957		Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	59.345	80.040	91,461		Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	60,319	99,192	111,980		Yes	Yes	Yes	Some college, no degree	i i	Yes	Yes	Yes
33-3011	Bailiffs	31,623	60,005	70,669		No	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	38,210	55,057	55,958		Yes	No	No	High school diploma or equivalent		Yes	Yes	No
33-3021	Detectives and Criminal Investigators	48,214	101,627	146,619		Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
33-3031	Fish and Game Wardens	27,040	34,006	39,416		No	No	No	Bachelor's degree		No	No	No
33-3041	Parking Enforcement Workers	37,350	41,983	42,390		Yes	No	No	High school diploma or equivalent		Yes	No	No
33-3051	Police and Sheriff's Patrol Officers	53,883	77,453	91,681		Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
33-3052	Transit and Railroad Police	64,719	80,411	65,998		Yes	Yes	No	Associate's degree	L Į	Yes	Yes	No
33-9011	Animal Control Workers	35,539	43,096	44,197		Yes	No	No	Postsecondary nondegree award	L Į	Yes	No	No
33-9021	Private Detectives and Investigators	35,360	66,612	86,947		Yes	Yes	Yes	Bachelor's degree		No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	30,745	38,613	41,853		No	No	No	High school diploma or equivalent	H	Yes	No	No
33-9032	Security Guards	23,309	32,123	35,944		No	No	No	High school diploma or equivalent	$\vdash$	No	No	No
33-9091	Crossing Guards and Flaggers	29,189	32,317	34,904		No	No	No	No formal educational credential		Yes	No	No
33-9092 33-9093	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	21,917	34,972	38,816		No	No	No No	No formal educational credential		No	Yes	Yes
33-9093 33-9094	Transportation Security Screeners School Bus Monitors	37,586 24,741	45,297 29,542	48,110 30,853		Yes No	No No	No No	High school diploma or equivalent		Yes	No No	No
33-9094				53,938			No No	No No	High school diploma or equivalent		No		No
35-1011	Protective Service Workers, All Other Chefs and Head Cooks	28,256 29,954	45,073 58.117	75.344		No No	No	Yes	High school diploma or equivalent		No No	No No	No Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	29,954	43.006	49.603		No	No	No Tes	Associate's degree		No	No	No Yes
35-2011	Cooks, Fast Food	27,296	27.562	49,603 29.667		No.	No.	No No	High school diploma or equivalent  No formal educational credential		No.	No No	No
35-2011	Cooks, Institution and Cafeteria	21,991	32.034	36.010		No	No	No	No formal educational credential		Yes	No	Yes
35-2012	Cooks, Private Household	35.058	63.787	78.601		Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
35-2014	Cooks, Restaurant	29,219	35,003	37.642		No	No	No	High school diploma or equivalent		No	No	No
35-2014	Cooks, Short Order	22,325	28.370	34,055		No	No	No	No formal educational credential		No	No	No
35-2019	Cooks, All Other	27,497	34,550	35,323		No	No	No	No formal educational credential		Yes	Yes	Yes
35-2021	Food Preparation Workers	24,554	31,557	35,263		No	No	No	No formal educational credential		Yes	No	No
35-3011	Bartenders	21,434	32,590	36,443		No	No	No	No formal educational credential		No	Yes	Yes
35-3023	Fast Food and Counter Workers	21,664	26,780	28,686		No	No	No	No formal educational credential		No	No	No
35-3031	Waiters and Waitresses	21,431	33.401	35.638		No	No	No	No formal educational credential		No	Yes	Yes
35-3041	Food Servers, Nonrestaurant	23,391	29,147	33,153		No	No	No	No formal educational credential		No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	22.048	28.214	29,799		No	No	No	No formal educational credential		No	No	No
35-9021	Dishwashers	22,349	27,082	29,274		No	No	No	No formal educational credential		No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	21,435	29,870	32,759		No	No	No	No formal educational credential		No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	23,860	29,902	33,773		No	No	No	No formal educational credential		No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	30,862	47,214	57,507		No	No	No	High school diploma or equivalent		Yes	No	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	36,824	52,736	60,988		Yes	No	No	Some college, no degree		Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	22,647	28,934	32,184		No	No	No	High school diploma or equivalent		No	No	No
37-2012	Maids and Housekeeping Cleaners	23,701	29,458	31,009		No	No	No	No formal educational credential		No	No	No
37-2019	Building Cleaning Workers, All Other	26,486	32,966	35,979		No	No	No	No formal educational credential		Yes	Yes	Yes
37-2021	Pest Control Workers	35,203	44,069	46,958		Yes	No	No	High school diploma or equivalent		Yes	No	No
37-3011	Landscaping and Groundskeeping Workers	28,541	34,142	36,369		No	No	No	No formal educational credential		Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	24,248	38,963	46,804		No	No	No	High school diploma or equivalent		No	No	No
37-3013	Tree Trimmers and Pruners	27,261	41,023	48,658		No	No	No	High school diploma or equivalent	$\sqcup$	No	No	No
37-3019 39-1013	Grounds Maintenance Workers, All Other	36,671	37,553	38,549		Yes	No	No	No formal educational credential	$\vdash$	Yes	Yes	Yes
22-1012	First-Line Supervisors of Gambling Services Workers First-Line Supervisors of Entertainment and Recreation Workers, Except	39,728	59,430	70,848		Yes	Yes	Yes	Some college, no degree	$\vdash$	Yes	Yes	Yes
39-1014	Gambling Services	32.179	55.357	66.297		No	No	No	Sama callaga, na de		Voc	Yes	Yes
				66,297 59.482		No			Some college, no degree	$\vdash$	Yes		
39-1022 39-2011	First-Line Supervisors of Personal Service Workers	29,856 29,383	50,327 39.144	59,482 37,544		No No	No No	No No	Some college, no degree	$\vdash$	Yes	Yes	Yes No
39-2011 39-2021	Animal Trainers Animal Caretakers	29,383	,	37,544 35.802		No No	No No	No No	High school diploma or equivalent		No	No No	No No
39-2021	Animal Caretakers Gambling Dealers	23,474	32,641 35.449	35,802 46.328		No No	No No	No No	High school diploma or equivalent		No No	No No	No No
39-3011	Gambling and Sports Book Writers and Runners	23,356	30,062	46,328 35.938		No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	$\vdash$	No No	No No	No No
39-3012	Gambling Service Workers, All Other	22,627	30,062	35,938 36.624		No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	1	No No	No No	No No
39-3021	Motion Picture Projectionists	34,484	41,679	46.600		No	No	No	No formal educational credential	$\vdash$	Yes	Yes	Yes
39-3021	Ushers, Lobby Attendants, and Ticket Takers	21.991	26,877	28,718		No	No	No	No formal educational credential		No	No	No
39-3031	Amusement and Recreation Attendants	21,591	29,440	32.209		No	No	No	No formal educational credential		No	No	No
39-3092	Costume Attendants	28,025	45,017	52,387		No	No	No	High school diploma or equivalent		No	No	No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	22,621	26.640	28,733		No	No	No	High school diploma or equivalent		No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	25,240	31,417	31,471		No	No	No	High school diploma or equivalent		No	No	No
39-4011	Embalmers	35,405	50,598	56,689		Yes	No	No	Associate's degree		No	No	No
39-4012	Crematory Operators	33,682	42,926	51,303		No	No	No	High school diploma or equivalent		Yes	No	No
39-4021	Funeral Attendants	25,630	33,042	36,597		No	No	No	High school diploma or equivalent		No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	37,583	60,157	70,019		Yes	Yes	Yes	Associate's degree		No	Yes	Yes
39-5011	Barbers	21,844	34,445	35,418		No	No	No	Postsecondary nondegree award		No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	20,851	31,108	33,280		No	No	No	Postsecondary nondegree award		No	No	No
39-5091	Makeup Artists, Theatrical and Performance	40,823	47,434	42,070		Yes	No	No	Postsecondary nondegree award		Yes	No	No
39-5092	Manicurists and Pedicurists	22,432	33,842	34,279		No	No	No	Postsecondary nondegree award		No	No	No

Wages - Workforce Re May 2022		Annual W	ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All O	ccupation Metric	1	Wage	Meets or Exceeds Edi	ucational Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annua			Representa		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	<b>Educational Requirement</b>	Starting Wa		Threshold
39-5093	Shampooers	22,541	26,594	28,697	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	21,254	38,190	41,901	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	22,736	28,908	31,336	No	No	No	High school diploma or equivalent	No	No	No
39-6012 39-7010	Concierges	27,077	35,843	38,239	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	26,396	37,485	43,510	No No	No No	No	High school diploma or equivalent	No	No No	No.
39-9031	Childcare Workers Exercise Trainers and Group Fitness Instructors	23,641	29,711 46.678	30,434 60.320	No No	No No	No No	High school diploma or equivalent	No No	No No	No Yes
39-9032	Recreation Workers	20,800	33,301	36,071	No	No	No	Postsecondary nondegree award Bachelor's degree	No	No	No
39-9041	Residential Advisors	26,033	37,636	42.315	No	No	No	Some college, no degree	No	No	No.
39-9099	Personal Care and Service Workers, All Other	20,800	29,996	35,231	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	30,383	52,500	60,703	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	44,230	94,546	105,753	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	22,356	27,210	28,546	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	23,007	36,066	37,366	No	No	No	No formal educational credential	No	Yes	Yes
41-2021	Counter and Rental Clerks	25,620	37,415	40,509	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	23,790	41,408	45,989	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	22,685	33,800	35,230	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	33,282	66,553	73,068	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-3021	Insurance Sales Agents	27,405	70,173	76,574	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	40,022	81,673	94,064	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents Sales Representatives of Services Except Advertising Insurance Financial	26,057	48,578	58,811	No	No	No	Some college, no degree	No	Yes	Yes
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	33.009	70,009	84,592	No	Yes	Yes	Bachelor's degree	No	No	No
41,3021	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific	33,009	70,009	84,592	NU	162	162	pacticiot s degree	NO	NO	NU
41-4011	Products	40.124	104,839	130.524	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
7022	Sales Representatives, Wholesale and Manufacturing, Except Technical and	40,124	104,033	130,324	163	163	163	Bachelor's degree	140	ies	163
41-4012	Scientific Products	32.345	74,193	84.228	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	24,373	64,081	97,037	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
41-9012	Models	23,820	35,416	38,082	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	34.800	115,017	137.987	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	28,576	54,438	63,440	No	No	No	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	46,800	107,857	136,256	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-9041	Telemarketers	22,521	32,882	33,431	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	23,365	38,450	54,099	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	22,287	38,566	42,560	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	38,189	65,689	77,268	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	27,040	31,243	34,475	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	28,241	33,931	37,150	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	25,175	53,308	62,519	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-3011	Bill and Account Collectors	31,841	41,336	48,162	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	29,750	43,148	48,188	No	No	No	High school diploma or equivalent	No	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	29,337	45,688	51,450	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041 43-3051	Gambling Cage Workers	24,048	34,733	41,322	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks Procurement Clerks	37,224 31,841	49,853 41,573	57,024 47,761	Yes No	No No	No No	Some college, no degree	Yes No	Yes No	Yes
43-3001	Tellers	33,769	38,124	39,345	No	No	No	Associate's degree	Yes	No	No No
43-3071	Financial Clerks, All Other	31,769	63,895	69,248	No	Yes	Yes	High school diploma or equivalent Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	38,218	57,945	62,226	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	36,239	40.477	43.999	Yes	No	No	High school diploma or equivalent	Yes	No.	No.
43-4031	Court, Municipal, and License Clerks	36,253	45,596	46,831	Yes	No	No	Some college, no degree	Yes	Yes	No
43-4041	Credit Authorizers, Checkers, and Clerks	28.868	36,962	39.171	No	No	No	Some college, no degree	No	No	No.
43-4051	Customer Service Representatives	28.821	39,653	44.826	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	27,934	39,663	50,024	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	21,227	36,772	44,062	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	24,085	31,610	34,357	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	26,437	39,852	46,540	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	29,804	33,380	34,508	No	No	No	Some college, no degree	Yes	No	No
43-4131	Loan Interviewers and Clerks	31,310	47,188	55,830	No	No	No	High school diploma or equivalent	Yes	No	No
43-4141	New Accounts Clerks	39,295	47,066	50,978	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	28,640	37,686	41,558	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	29,987	43,418	48,476	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	25,663	33,340	36,748	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	29,822	40,106	40,213	No	No	No	High school diploma or equivalent	No	No	No
43-4199	Information and Record Clerks, All Other	28,266	40,217	45,661	No	No	No	High school diploma or equivalent	No	No	No
43-5011	Cargo and Freight Agents	31,406	50,798	62,813	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	30,686	34,486	35,780	No V	No No	No	High school diploma or equivalent	No	No	No
43-5031 43-5032	Public Safety Telecommunicators  Dispatchers, Event Police, Fire, and Ambulance	38,729	57,899	76,479	Yes	No No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5032	Dispatchers, Except Police, Fire, and Ambulance Meter Readers, Utilities	29,742 35,219	43,174 51.192	48,590 60.854	No Voc	No No	No No	High school diploma or equivalent	No	No	No Voc
43-5041	Postal Service Clerks	35,219 39,770	51,192 57,740	60,854 68,307	Yes Yes	No No	No Yes	High school diploma or equivalent	Yes Yes	Yes Yes	Yes Yes
43-5051	Postal Service Cierks  Postal Service Mail Carriers	39,770	57,740	71.344	Yes	No No	Yes	High school diploma or equivalent High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers  Postal Service Mail Sorters, Processors, and Processing Machine Operators	49,130	63,341	69,618	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Production, Planning, and Expediting Clerks	49,130 31.250	50,989	60.519	No.	No No	No.	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	26,683	38,323	44,657	No	No	No	High school diploma or equivalent	No	No	No
		28,458	39,251	46,750	No	No	No	High school diploma or equivalent	No	No	No
43-5111					INO	.40	.40	sariour dipiorna or equivalent	140	INO	INO
	Weighers, Measurers, Checkers, and Samplers, Recordkeeping Executive Secretaries and Executive Administrative Assistants				Yes	Yes	Yes		Yes	Yes	Yes
43-5111 43-6011 43-6012	Executive Secretaries and Executive Administrative Assistants Legal Secretaries and Administrative Assistants	37,465 30,474	61,128 48,263	76,525 56,271	Yes No	Yes No	Yes No	Some college, no degree Some college, no degree	Yes Yes	Yes Yes	Yes Yes

Wages - Workforce Re	egion 22	A114	/ /ć\ h O	1		14/ 844	F d- All C				14/ 844-	F d- Ed	
May 2022			Vages (\$) by Occupat Average Annual	High-Level Wage	l	Representative	Average Annu	Occupation Metric al High-Level Wage		-	Representative	or Exceeds Educati Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)		Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
	·						-		· ·				
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	29,080	41,812	48,230		No	No	No	High school diploma or equivalent		No	No	No
43-9021 43-9022	Data Entry Keyers	26,438 29.188	36,231 37,281	40,163 41,321		No No	No No	No No	High school diploma or equivalent	ш	No No	No No	No No
43-9022	Word Processors and Typists  Desktop Publishers	29,188	37,281 54,229	41,321 65.532		No	No No	No No	High school diploma or equivalent Associate's degree	$\vdash$	No	No No	No No
43-9041	Insurance Claims and Policy Processing Clerks	28,525	44,278	48,575		No	No	No	High school diploma or equivalent	H	No	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	26,505	34,955	37,836		No	No	No	High school diploma or equivalent	i i	No	No	No
43-9061	Office Clerks, General	25,081	40,780	48,332		No	No	No	High school diploma or equivalent		No	No	No
43-9071	Office Machine Operators, Except Computer	21,311	30,337	38,600		No	No	No	High school diploma or equivalent		No	No	No
43-9081	Proofreaders and Copy Markers	32,202	36,466	36,509		No	No	No	Bachelor's degree	ш	No	No	No
43-9111 43-9199	Statistical Assistants Office and Administrative Support Workers, All Other	38,428 28,891	49,829 46,833	55,237 53,306		Yes No	No No	No No	Bachelor's degree	$\vdash$	No No	No	No
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	28,891	51,577	67.755		No	No	Yes	Some college, no degree High school diploma or equivalent	H	No	Yes	Yes Yes
45-2011	Agricultural Inspectors	27,122	37,113	41,660		No	No	No	Bachelor's degree	H	No	No	No
45-2021	Animal Breeders	29,314	40,368	42,698		No	No	No	High school diploma or equivalent	m	No	No	No
45-2041	Graders and Sorters, Agricultural Products	25,574	31,962	35,360		No	No	No	No formal educational credential		Yes	No	Yes
45-2091	Agricultural Equipment Operators	26,924	42,655	51,486		No	No	No	No formal educational credential	ш	Yes	Yes	Yes
45-2092 45-2093	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	21,595	28,343	29,212		No	No	No No	No formal educational credential	$\sqcup$	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals Agricultural Workers, All Other	29,180 23,278	38,296 38,667	48,520 45,429		No No	No No	No No	No formal educational credential  No formal educational credential	H	Yes No	Yes Yes	Yes Yes
45-3031	Fishing and Hunting Workers	29,011	38,970	46,643		No	No	No	No formal educational credential	H	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	35,470	45,798	54,034		Yes	No	No	Postsecondary nondegree award	i i	Yes	No	No
45-4021	Fallers	42,427	50,403	57,003		Yes	No	No	High school diploma or equivalent		Yes	Yes	Yes
45-4022	Logging Equipment Operators	30,962	44,519	52,636		No	No	No	High school diploma or equivalent		Yes	No	No
45-4023	Log Graders and Scalers	24,188	28,512	29,661		No	No	No	High school diploma or equivalent	ш	No	No	No
45-4029 47-1011	Logging Workers, All Other First-Line Supervisors of Construction Trades and Extraction Workers	45,093 45,314	48,864 72,737	50,588 82,033		Yes Yes	No Yes	No Yes	High school diploma or equivalent	$\vdash$	Yes	Yes	No Yes
47-2011	Boilermakers	22,541	50,772	61,771		No	No No	No No	Some college, no degree  High school diploma or equivalent	H	No	Yes	Yes
47-2021	Brickmasons and Blockmasons	30.808	45.271	49,469		No	No	No	High school diploma or equivalent	H	Yes	No	No
47-2022	Stonemasons	31,590	50,371	62,541		No	No	No	High school diploma or equivalent	m	Yes	Yes	Yes
47-2031	Carpenters	36,243	47,666	50,569		Yes	No	No	Postsecondary nondegree award		Yes	No	No
47-2041	Carpet Installers	20,800	29,418	32,349		No	No	No	No formal educational credential	ш	No	No	No
47-2042 47-2043	Floor Layers, Except Carpet, Wood, and Hard Tiles Floor Sanders and Finishers	36,586 24.286	49,157 36.628	55,443 40.163		Yes No	No	No No	No formal educational credential  No formal educational credential	$\vdash$	Yes	Yes	Yes
47-2043	Tile and Stone Setters	24,286 35,824	36,628 49.188	40,163 55.917		Yes	No No	No No	No formal educational credential  No formal educational credential	$\vdash$	Yes	Yes	Yes Yes
47-2051	Cement Masons and Concrete Finishers	32,075	44,323	49,236		No	No	No	No formal educational credential	H	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	35,127	53,077	57,786		Yes	No	No	High school diploma or equivalent	i i	Yes	Yes	Yes
47-2061	Construction Laborers	22,622	38,601	44,115		No	No	No	No formal educational credential		No	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	30,653	41,658	43,344		No	No	No	High school diploma or equivalent		No	No	No
47-2072	Pile Driver Operators	37,529	52,408	53,980		Yes	No	No	High school diploma or equivalent	ш	Yes	Yes	No
47-2073 47-2081	Operating Engineers and Other Construction Equipment Operators  Drywall and Ceiling Tile Installers	35,474 30,680	48,167 41,360	54,596 48,268		Yes	No No	No No	High school diploma or equivalent  No formal educational credential	$\vdash$	Yes	No Yes	No Yes
47-2081	Tapers	30,994	45,483	51,054		No	No	No	No formal educational credential	$\vdash$	Yes	Yes	Yes
47-2111	Electricians	37,605	51.956	58,931		Yes	No	No	Postsecondary nondegree award	H	Yes	Yes	No
47-2121	Glaziers	29,353	42,428	46,596		No	No	No	High school diploma or equivalent	m	No	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	31,731	47,131	52,365		No	No	No	High school diploma or equivalent		Yes	No	No
47-2132	Insulation Workers, Mechanical	38,148	50,347	53,231		Yes	No	No	High school diploma or equivalent		Yes	Yes	No
47-2141	Painters, Construction and Maintenance	28,529	39,604	44,053		No	No	No	No formal educational credential	ш	Yes	Yes	Yes
47-2142 47-2151	Paperhangers Pipelayers	30,471 36,981	37,382 45,441	46,330 49,799		No	No No	No No	No formal educational credential	$\vdash$	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	36,475	51,164	59,851		Yes Yes	No	No	No formal educational credential  Postsecondary nondegree award	H	Yes	Yes	Yes Yes
47-2161	Plasterers and Stucco Masons	29,163	45,299	51,259		No	No	No	No formal educational credential	H	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	38,201	50,859	59,702		Yes	No	No	High school diploma or equivalent	m	Yes	Yes	Yes
47-2181	Roofers	28,611	44,447	49,740		No	No	No	No formal educational credential		Yes	Yes	Yes
47-2211	Sheet Metal Workers	35,809	48,467	55,989		Yes	No	No	High school diploma or equivalent	ш	Yes	No	No
47-2221 47-2231	Structural Iron and Steel Workers Solar Photovoltaic Installers	38,418	52,863	61,706		Yes	No	No	High school diploma or equivalent	$\sqcup$	Yes	Yes	Yes
47-3011	HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	32,477 22,541	43,321 37,193	46,029 41,354		No No	No No	No No	High school diploma or equivalent  No formal educational credential	H	Yes No	No Yes	No Yes
47-3012	HelpersCarpenters	29.841	36,455	38.867		No	No	No	No formal educational credential	H	Yes	Yes	Yes
47-3013	HelpersElectricians	30,160	37,862	38,589		No	No	No	High school diploma or equivalent	H	No	No	No
47-3014	HelpersPainters, Paperhangers, Plasterers, and Stucco Masons	28,892	34,083	35,687		No	No	No	No formal educational credential	m	Yes	Yes	Yes
47-3015	HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters	30,491	38,287	41,613		No	No	No	High school diploma or equivalent		No	No	No
47-3016	HelpersRoofers	32,381	39,284	41,755		No	No	No	No formal educational credential	ш	Yes	Yes	Yes
47-3019 47-4011	Helpers, Construction Trades, All Other  Construction and Building Inspectors	24,647 46.800	39,975 68,899	48,765 80,502		No	No	No Yes	No formal educational credential  Postsecondary nondegree award	$\vdash$	Yes	Yes	Yes
47-4011	Elevator and Escalator Installers and Repairers	46,800 50.090	68,899 82.718	80,502 101.847		Yes Yes	Yes Yes	Yes	Postsecondary nondegree award  Postsecondary nondegree award	$\vdash$	Yes	Yes	Yes Yes
47-4031	Fence Erectors	31,547	43,457	50,425		No	No	No	No formal educational credential	$\Box$	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	31,200	45,915	51,650		No	No	No	High school diploma or equivalent		Yes	No	No
47-4051	Highway Maintenance Workers	28,636	38,062	39,541		No	No	No	High school diploma or equivalent		No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	48,843	59,431	67,472		Yes	Yes	No	High school diploma or equivalent	ш	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	31,861	51,871	62,164		No	No	No	High school diploma or equivalent		Yes	Yes	Yes
47-4090 47-5011	Miscellaneous Construction and Related Workers  Descrick Operators Oil and Gas	30,805 37,074	43,205 53,611	47,206 66,258		No Yes	No No	No No	High school diploma or equivalent  No formal educational credential	$\Box$	Yes	No Yes	No Yes
47-5011 47-5012	Derrick Operators, Oil and Gas Rotary Drill Operators, Oil and Gas	37,074 44.367	53,611	61,143	$\vdash$	Yes	No No	No No	No formal educational credential  No formal educational credential	$\vdash$	Yes	Yes	Yes
47-5012	Service Unit Operators, Oil and Gas	44,367	58,845	67,667		Yes	Yes	Yes	No formal educational credential	$\vdash$	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	36,823	48,021	50,259		Yes	No	No	High school diploma or equivalent		Yes	No	No
47-5023	Earth Drillers, Except Oil and Gas	37,767	53,546	55,659		Yes	No	No	High school diploma or equivalent		Yes	Yes	No
47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	57,610	76,803	88,517		Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
47-5041	Continuous Mining Machine Operators	29,759	43,619	48,258	$\Box$	No	No	No	No formal educational credential	ட	Yes	Yes	Yes

47-5044 47-5049 47-5051 47-5051 47-5071 47-5081 47-5081 47-5081 47-5081 49-1011 49-2011 49-2011 49-2021 49-2091 49-2091 49-2093 49-2093 49-2094 49-2095 49-2096 49-2097 49-2098 49-3021 49-3021 49-3021 49-3021 49-3021	Occupational Title  Roof Bolters, Mining Loading and Moving Machine Operators, Underground Mining Underground Mining Machine Operators, All Other Rock Splitters, Quarry Roustabouts, Oil and Gas Helpers-Extraction Workers Extraction Workers Extraction Workers Extraction Workers, All Other First-Line Supervisors of Mechanics, Installers, and Repairers Computer, Automated Teller, and Office Machine Repairers Radio, Cellular, and Tower Equipment Installers and Repairers Telecommunications Equipment Installers and Repairers Telecommunications Equipment Installers and Repairers, Except Line Installers Electricial and Electronics Repairers, Commercial and Industrial Equipment Electricial and Electronics Repairers, Commercial and Industrial Equipment Electrical and Electronics Repairers, Commercial and Industrial Equipment Electrical and Electronics Repairers, Pomercial and Industrial Equipment Electrical and Electronics Repairers, Pomercial and Industrial Equipment Electronic Equipment Installers and Repairers, Motor Vehicles Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers Alarcraft Mechanics and Service Technicians		ages (s) by Occupat Average Annual Wage (s) 43,988 43,988 72,544 53,611 38,060 48,583 70,659 44,051 56,641 70,923 42,047 59,042 54,067	High-Level Wage Threshold (5) 48,778 48,778 96,764 66,258 41,755 47,488 82,046 48,506 77,135 70,336 80,582 49,556	Representative Starting Wage  Yes Yes Yes No No Yes Yes Yes No No No Yes Yes Yes No No	s or Exceeds All O.  Average Annua Wage  No No No Yes No	No No No No No No No Yes No No No No Yes	Educational Requirement  No formal educational credential No formal educational credential No formal educational credential High school diploma or equivalent High school diploma or equivalent Some college, no degree	Representative Starting Wage  Yes Yes Yes Yes Yes Yes Yes Yes Yes Y	Yes Yes Yes Yes Yes No No	
47-5043 47-5044 47-5049 47-5051 47-5051 47-5071 47-5081 47-5081 47-5081 47-5081 47-5099 49-1011 49-2022 49-2091 49-2091 49-2092 49-2093 49-2094 49-2093 49-2095 49-2096 49-2097 49-2098 49-3021 49-3021 49-3021 49-3021 49-3021	Roof Bolters, Mining Loading and Moving Machine Operators, Underground Mining Underground Mining Machine Operators, All Other Rook Splitters, Quarry Roustabouts, Oil and Gas Helpers-Estraction Workers Extraction Workers Extraction Workers Extraction Workers Extraction Workers, All Other First-time Supervisors of Mechanics, Installers, and Repairers Computer, Automated Teller, and Office Machine Repairers Radio, Cellular, and Tower Equipment Installers and Repairers Telecommunications Equipment Installers and Repairers, Except Line Installers Avionics Technicians Electrical and Electronics Applications and Repairers, Transportation Equipment Electrical and Electronics Repairers, Owenfouse, Substation, and Relay Electrical and Electronics Repairers, Powerhouse, Substation, and Relay Electronic Equipment Installers and Repairers, Motor Vehicles Audiovisual Equipment Installers and Repairers, Motor Vehicles Security and Fire Alarm Systems Installers	38,851 38,851 39,989 37,074 31,850 30,127 44,657 35,211 36,545 32,198 38,960 30,787 45,760 39,121 37,844	43,988 43,988 72,544 53,611 38,060 48,583 70,659 44,051 56,641 70,923 42,047 59,042	48,778 48,778 96,764 66,258 41,755 47,488 82,046 48,506 77,135 70,536 80,582	Yes Yes Yes No No Yes Yes Yes Yes	No No Yes No No Vo Yes	No No Yes No No No Yes	No formal educational credential No formal educational credential No formal educational credential No formal educational credential High school diploma or equivalent High school diploma or equivalent	Yes Yes Yes Yes Yes	Yes Yes Yes Yes No	Yes Yes Yes Yes No
47-5044 47-5049 47-5051 47-5051 47-5071 47-5071 47-5081 47-5081 47-5099 49-1011 49-2011 49-2021 49-2091 49-2091 49-2093 49-2093 49-2094 49-2095 49-2095 49-2096 49-2097 49-2098 49-3021 49-3021 49-3021 49-3021 49-3021 49-3021	Loading and Moving Machine Operators, Underground Mining Underground Mining Machine Operators, All Other Rock Spilters, Quarry Roustabouts, Oil and Gas Helpers-Extraction Workers Extraction Workers, All Other First-tine Supervisors of Mechanics, Installers, and Repairers Computer, Automated Teller, and Office Machine Repairers Radio, Cellular, and Tower Equipment Installers and Repairers Telecommunications Equipment Installers and Repairers Leictric Motor, Power Tool, and Related Repairers Electrical and Electronics Installers and Repairers Electrical and Electronics Installers and Repairers Electrical and Electronics Repairers, Commercial and Industrial Equipment Electrical and Electronics Repairers, Powerhouse, Substation, and Relay Electronic Equipment Installers and Repairers, Motor Vehicles Audiovisual Equipment Installers and Repairers, Motor Vehicles Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers	38,851 39,989 37,074 31,850 30,127 44,657 35,211 36,545 32,198 38,960 30,787 45,760 39,121 37,844	43,988 72,544 53,611 38,060 48,583 70,659 44,051 58,139 56,641 70,923 42,047 59,042	48,778 96,764 66,258 41,755 47,488 82,046 48,506 77,135 70,536 80,582	Yes Yes Yes No No Yes Yes Yes Yes	No Yes No No No Ves No	No Yes No No No Yes	No formal educational credential No formal educational credential No formal educational credential High school diploma or equivalent High school diploma or equivalent	Yes Yes Yes Yes No	Yes Yes Yes No	Yes Yes Yes No
47-5044 47-5044 47-5051 47-5051 47-5051 47-5051 47-5081 47-5081 47-5081 47-5099 49-1011 49-2011 49-2011 49-2022 49-2091 49-2092 49-2093 49-2093 49-2094 49-2095 49-2095 49-2096 49-2097 49-2098 49-3011 49-3021 49-3021 49-3021	Loading and Moving Machine Operators, Underground Mining Underground Mining Machine Operators, All Other Rock Spilters, Quarry Roustabouts, Oil and Gas Helpers-Extraction Workers Extraction Workers, All Other First-tine Supervisors of Mechanics, Installers, and Repairers Computer, Automated Teller, and Office Machine Repairers Radio, Cellular, and Tower Equipment Installers and Repairers Telecommunications Equipment Installers and Repairers Leictric Motor, Power Tool, and Related Repairers Electrical and Electronics Installers and Repairers Electrical and Electronics Installers and Repairers Electrical and Electronics Repairers, Commercial and Industrial Equipment Electrical and Electronics Repairers, Powerhouse, Substation, and Relay Electronic Equipment Installers and Repairers, Motor Vehicles Audiovisual Equipment Installers and Repairers, Motor Vehicles Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers	38,851 39,989 37,074 31,850 30,127 44,657 35,211 36,545 32,198 38,960 30,787 45,760 39,121 37,844	43,988 72,544 53,611 38,060 48,583 70,659 44,051 58,139 56,641 70,923 42,047 59,042	48,778 96,764 66,258 41,755 47,488 82,046 48,506 77,135 70,536 80,582	Yes Yes Yes No No Yes Yes Yes Yes	No Yes No No No Ves No	No Yes No No No Yes	No formal educational credential No formal educational credential No formal educational credential High school diploma or equivalent High school diploma or equivalent	Yes Yes Yes Yes No	Yes Yes Yes No	Yes Yes Yes No
47-5049 47-5051 47-5051 47-5081 47-5081 47-5081 47-5081 47-5081 47-5099 49-1011 49-2021 49-2022 49-2091 49-2092 49-2093 49-2094 49-2096 49-2097 49-2098 49-2097 49-2098 49-3011 49-3021 49-3021	Underground Mining Machine Operators, All Other Rock Splitters, Quarry Roustabouts, Oil and Gas Helpers-Extraction Workers Extraction Workers Extraction Workers Extraction Workers, All Other First-Line Supervisors of Mechanics, Installers, and Repairers Computer, Automated Teller, and Office Machine Repairers Radio, Cellular, and Tower Equipment Installers and Repairers Telecommunications Equipment Installers and Repairers, Except Line Installers Avionics Technicians Electric Motor, Power Tool, and Related Repairers, Transportation Equipment Electrical and Electronics Repairers, Oembrouse, Substation, and Relay Electrical and Electronics Repairers, Powerhouse, Substation, and Relay Electricine Equipment Installers and Repairers, Motor Vehicles Audiovisual Equipment Installers and Repairers, Motor Vehicles Security and Fire Alarm Systems Installers	38,851 39,989 37,074 31,850 30,127 44,657 35,211 36,545 32,198 38,960 30,787 45,760 39,121 37,844	43,988 72,544 53,611 38,060 48,583 70,659 44,051 58,139 56,641 70,923 42,047 59,042	48,778 96,764 66,258 41,755 47,488 82,046 48,506 77,135 70,536 80,582	Yes Yes Yes No No Yes Yes Yes Yes	No Yes No No No Ves No	No Yes No No No Yes	No formal educational credential No formal educational credential No formal educational credential High school diploma or equivalent High school diploma or equivalent	Yes Yes Yes Yes No	Yes Yes Yes No	Yes Yes Yes No
47-5051 47-5051 47-5081 47-5081 47-5081 47-5081 47-5099 49-1011 49-2011 49-2021 49-2022 49-2091 49-2092 49-2093 49-2093 49-2095 49-2095 49-2096 49-2097 49-2098 49-3021 49-3021 49-3021 49-3021	Rock Splitters, Quarry  Roustabouts, Oil and Gas  HelpersExtraction Workers, All Other  Extraction Workers, All Other  First-Line Supervisors of Mechanics, Installers, and Repairers  Computer, Automated Teller, and Office Machine Repairers  Radio, Cellular, and Tower Equipment Installers and Repairers  Telecommunications Equipment Installers and Repairers, Except Line Installers  Avionics Technicians  Electrical and Electronics Installers and Repairers, Except Line Installers  Electrical and Electronics Repairers, Commercial and Industrial Equipment  Electrical and Electronics Repairers, Commercial and Industrial Equipment  Electrical and Electronics Repairers, Powerhouse, Substation, and Relay  Electronic Equipment Installers and Repairers, Motor Vehicles  Audiovisual Equipment Installers and Repairers  Security and Fire Alarm Systems Installers	39,989 37,074 31,850 30,127 44,657 35,211 36,545 32,198 38,960 30,787 45,760 39,121 37,844	72,544 53,611 38,060 48,583 70,659 44,051 58,139 56,641 70,923 42,047 59,042	96,764 66,258 41,755 47,488 82,046 48,506 77,135 70,536 80,582	Yes Yes No No Yes Yes Yes	Yes No No No Yes	Yes No No No Yes	No formal educational credential No formal educational credential High school diploma or equivalent High school diploma or equivalent	Yes Yes Yes No	Yes Yes No	Yes Yes No No
47-5071 47-5081 47-5081 47-5099 49-1011 49-2011 49-2021 49-2022 49-2092 49-2093 49-2094 49-2095 49-2096 49-2097 49-2097 49-2097 49-2098 49-3011 49-3021 49-3021 49-3023	Roustabouts, Oil and Gas Helpers-Extraction Workers Extraction Workers Extraction Workers Extraction Workers, All Other First-line Supervisors of Mechanics, Installers, and Repairers Computer, Automated Teller, and Office Machine Repairers Radio, Cellular, and Tower Equipment Installers and Repairers Telecommunications Equipment Installers and Repairers, Except Line Installers Avionics Technicians Electric Motor, Power Tool, and Related Repairers Electrical and Electronics Installers and Repairers, Transportation Equipment Electrical and Electronics Repairers, Owenfouse, Substation, and Relay Electronic Equipment Installers and Repairers, Motor Vehicles Audiovisual Equipment Installers and Repairers, Motor Vehicles Security and Fire Alarm Systems Installers	37,074 31,850 30,127 44,657 35,211 36,545 32,198 38,960 30,787 45,760 39,121 37,844	53,611 38,060 48,583 70,659 44,051 58,139 56,641 70,923 42,047 59,042	66,258 41,755 47,488 82,046 48,506 77,135 70,536 80,582	Yes No No Yes Yes Yes	No No No Yes No	No No No Yes	No formal educational credential High school diploma or equivalent High school diploma or equivalent	Yes Yes No	Yes No No	Yes No No
47-5081 47-5099 49-1011 49-2011 49-2021 49-2022 49-2091 49-2092 49-2093 49-2094 49-2095 49-2096 49-2097 49-2097 49-2098 49-3011 49-3021 49-3021 49-3023	Helpers-Extraction Workers Extraction Workers, All Other First-Line Supervisors of Mechanics, Installers, and Repairers Computer, Automated Teller, and Office Machine Repairers Radio, Cellular, and Tower Equipment Installers and Repairers Telecommunications Equipment Installers and Repairers, Except Line Installers Avionics Technicians Electric Motor, Power Tool, and Related Repairers Electrical and Electronics Installers and Repairers, Transportation Equipment Electrical and Electronics Repairers, Commercial and Industrial Equipment Electricial and Electronics Repairers, Powerhouse, Substation, and Relay Electronic Equipment Installers and Repairers, Motor Vehicles Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers Security and Fire Alarm Systems Installers	31,850 30,127 44,657 35,211 36,545 32,198 38,960 30,787 45,760 39,121 37,844	38,060 48,583 70,659 44,051 58,139 56,641 70,923 42,047 59,042	41,755 47,488 82,046 48,506 77,135 70,536 80,582	No No Yes Yes Yes	No No Yes No	No No Yes	High school diploma or equivalent High school diploma or equivalent	Yes No	No No	No No
47-5099 49-1011 49-2011 49-2021 49-2021 49-2091 49-2092 49-2093 49-2094 49-2095 49-2096 49-2097 49-2098 49-3011 49-3021 49-3021 49-3021	Extraction Workers, All Other First-Line Supervisors of Mechanics, Installers, and Repairers Computer, Automated Teller, and Office Machine Repairers Radio, Cellular, and Tower Equipment Installers and Repairers Telecommunications Equipment Installers and Repairers, Except Line Installers Avionics Technicians Electric Motor, Power Tool, and Related Repairers, Except Line Installers Electrical and Electronics Installers and Repairers, Transportation Equipment Electrical and Electronics Repairers, Commercial and Industrial Equipment Electrical and Electronics Repairers, Powerhouse, Substation, and Relay Electronic Equipment Installers and Repairers, Motor Vehicles Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers	30,127 44,657 35,211 36,545 32,198 38,960 30,787 45,760 39,121 37,844	48,583 70,659 44,051 58,139 56,641 70,923 42,047 59,042	47,488 82,046 48,506 77,135 70,536 80,582	No Yes Yes Yes	No Yes No	No Yes	High school diploma or equivalent	No	No	No
49-1011 49-2011 49-2021 49-2022 49-2092 49-2093 49-2094 49-2095 49-2095 49-2096 49-2097 49-2098 49-3011 49-3012 49-3021 49-3022	First-Line Supervisors of Mechanics, Installers, and Repairers Computer, Automated Teller, and Office Machine Repairers Radio, Cellular, and Tower Equipment Installers and Repairers Telecommunications Equipment Installers and Repairers, Except Line Installers Avionics Technicians Electric Motor, Power Tool, and Related Repairers Electrical and Electronics Installers and Repairers, Transportation Equipment Electrical and Electronics Repairers, Commercial and Industrial Equipment Electrical and Electronics Repairers, Powerhouse, Substation, and Relay Electronic Equipment Installers and Repairers, Motor Vehicles Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers Security and Fire Alarm Systems Installers	44,657 35,211 36,545 32,198 38,960 30,787 45,760 39,121 37,844	70,659 44,051 58,139 56,641 70,923 42,047 59,042	82,046 48,506 77,135 70,536 80,582	Yes Yes Yes	Yes No	Yes				
49-2011 49-2021 49-2022 49-2091 49-2092 49-2093 49-2093 49-2095 49-2095 49-2097 49-2097 49-3011 49-3021 49-3021 49-3023	Computer, Automated Teller, and Office Machine Repairers Radio, Cellular, and Tower Equipment Installers and Repairers Telecommunications Equipment Installers and Repairers, Except Line Installers Avionics Technicians Electric Motor, Power Tool, and Related Repairers Electrical and Electronics Installers and Repairers, Transportation Equipment Electrical and Electronics Repairers, Commercial and Industrial Equipment Electrical and Electronics Repairers, Powerhouse, Substation, and Relay Electronic Equipment Installers and Repairers, Motor Vehicles Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers Security and Fire Alarm Systems Installers	35,211 36,545 32,198 38,960 30,787 45,760 39,121 37,844	44,051 58,139 56,641 70,923 42,047 59,042	48,506 77,135 70,536 80,582	Yes Yes	No				Yes	
49-2022 49-2091 49-2092 49-2093 49-2093 49-2096 49-2096 49-2097 49-2097 49-3001 49-3011 49-3021 49-3022 49-3023	Telecommunications Equipment Installers and Repairers, Except Line Installers Avionics Technicians Electric Motor, Power Tool, and Related Repairers Electrical and Electronics Installers and Repairers, Transportation Equipment Electrical and Electronics Repairers, Commercial and Industrial Equipment Electrical and Electronics Repairers, Powerhouse, Substation, and Relay Electronic Equipment Installers and Repairers, Motor Vehicles Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers Security and Fire Alarm Systems Installers	32,198 38,960 30,787 45,760 39,121 37,844	56,641 70,923 42,047 59,042	70,536 80,582		No	No	Postsecondary nondegree award	Yes	No	No
49-2091 49-2092 49-2093 49-2094 49-2096 49-2096 49-2097 49-2098 49-3011 49-3021 49-3022 49-3023	Avionics Technicians Electric Motor, Power Tool, and Related Repairers Electrical and Electronics Installers and Repairers, Transportation Equipment Electrical and Electronics Repairers, Commercial and Industrial Equipment Electrical and Electronics Repairers, Powerhouse, Substation, and Relay Electronic Equipment Installers and Repairers, Motor Vehicles Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers	38,960 30,787 45,760 39,121 37,844	70,923 42,047 59,042	80,582	No		Yes	Associate's degree	No	No	Yes
49-2092 49-2093 49-2094 49-2096 49-2096 49-2098 49-3011 49-3021 49-3022 49-3023	Electric Motor, Power Tool, and Related Repairers Electrical and Electronics Installers and Repairers, Transportation Equipment Electrical and Electronics Repairers, Commercial and Industrial Equipment Electrical and Electronics Repairers, Powerhouse, Substation, and Relay Electronic Equipment Installers and Repairers, Motor Vehicles Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers	30,787 45,760 39,121 37,844	42,047 59,042			No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2093 49-2094 49-2095 49-2096 49-2097 49-2098 49-3011 49-3021 49-3022 49-3023	Electrical and Electronics Installers and Repairers, Transportation Equipment Electrical and Electronics Repairers, Commercial and Industrial Equipment Electrical and Electronics Repairers, Powerhouse, Substation, and Relay Electronic Equipment Installers and Repairers, Motor Vehicles Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers Security and Fire Alarm Systems Installers	45,760 39,121 37,844	59,042	10.656	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2094 49-2095 49-2096 49-2097 49-2098 49-3011 49-3021 49-3022 49-3023	Electrical and Electronics Repairers, Commercial and Industrial Equipment Electrical and Electronics Repairers, Powerhouse, Substation, and Relay Electronic Equipment Installers and Repairers, Motor Vehicles Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers	39,121 37,844			No	No	No	High school diploma or equivalent	Yes	No	No
49-2095 49-2096 49-2097 49-2098 49-3011 49-3021 49-3022 49-3023	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay Electronic Equipment Installers and Repairers, Motor Vehicles Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers	37,844		59,966	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-2096 49-2097 49-2098 349-3011 49-3021 49-3022 49-3023 49-3023	Electronic Equipment Installers and Repairers, Motor Vehicles Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers			59,345	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-2097 49-2098 549-3011 49-3021 49-3022 49-3023 49-3023	Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers	35,990	67,273	102,025	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2098 : 49-3011 : 49-3021 : 49-3022 : 49-3023 :	Security and Fire Alarm Systems Installers	20.244	48,073	52,647	Yes	No	No	Postsecondary nondegree award	Yes	No	No
49-3011 49-3021 49-3022 49-3023		39,214 31,970	45,578 48,040	47,614 60,589	Yes No	No No	No No	Postsecondary nondegree award	Yes No	No No	No Yes
49-3021 49-3022 49-3023		31,970	70.409	83.440	Yes	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3022 49-3023	Automotive Body and Related Repairers	32,287	54,332	62,640	No	No	No	Associate's degree Postsecondary nondegree award	No	Yes	Yes
49-3023	Automotive Glass Installers and Repairers	32,287	46.918	49.762	No No	No	No No	High school diploma or equivalent	Yes	No Yes	No.
	Automotive Glass firstallers and Repairers Automotive Service Technicians and Mechanics	28,580	51,299	61,904	No	No	No	Postsecondary nondegree award	No	Yes	Yes
	Bus and Truck Mechanics and Diesel Engine Specialists	37.393	56,708	64.635	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	37,114	57,943	68.219	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
	Mobile Heavy Equipment Mechanics, Except Engines	37,187	54,955	60,919	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	40,585	58,271	64,795	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	36,822	55,165	63,073	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	32,305	49,851	63,950	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	31,284	43,260	47,484	No	No	No	High school diploma or equivalent	Yes	No	No
	Bicycle Repairers	25,424	39,631	47,336	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	33,140	52,690	66,442	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	23,110	32,816	35,538	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	33,812	49,894	58,910	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
	Control and Valve Installers and Repairers, Except Mechanical Door	37,589	58,603	77,516	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	32,085	51,191	59,317	No	No	No	Postsecondary nondegree award	No	Yes	No
	Home Appliance Repairers	28,343	43,348	49,892	No	No	No	Postsecondary nondegree award	No	No	No
	Industrial Machinery Mechanics	30,601	55,882	63,577	No	No	No	Postsecondary nondegree award	No	Yes	Yes
	Maintenance Workers, Machinery	29,925	63,363	77,107	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
	Millwrights	43,022	48,694	57,834	Yes	No	No	Postsecondary nondegree award	Yes	No	No
	Refractory Materials Repairers, Except Brickmasons	28,350	37,572	41,311	No	No	No	High school diploma or equivalent	No	No	No
	Electrical Power-Line Installers and Repairers	37,776	71,437	85,447	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
	Telecommunications Line Installers and Repairers	39,828	53,022	59,889	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
	Camera and Photographic Equipment Repairers	43,619 35,680	57,968 55,265	64,665 62,711	Yes Yes	No No	No No	Associate's degree	Yes No	No No	No No
	Medical Equipment Repairers  Musical Instrument Repairers and Tunors	29,422	39,911	38,018	No	No	No	Associate's degree	No	No	No
	Musical Instrument Repairers and Tuners  Watch and Clock Repairers	26,843	31,937	31,157	No.	No.	No	High school diploma or equivalent High school diploma or equivalent	No	No	No
	Precision Instrument and Equipment Repairers, All Other	43.966	62,541	71.568	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
	Maintenance and Repair Workers, General	28.995	41.596	47.539	No.	No.	No.	High school diploma or equivalent	No.	No.	No.
	Wind Turbine Service Technicians	52,343	73,822	85,581	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
	Coin, Vending, and Amusement Machine Servicers and Repairers	28,971	41.863	47.916	No.	No	No	High school diploma or equivalent	No.	No	No
	Commercial Divers	40,585	55,467	64.069	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
	Locksmiths and Safe Repairers	31,368	46,143	59.183	No	No	No	High school diploma or equivalent	Yes	No	Yes
	Manufactured Building and Mobile Home Installers	23,690	33,497	42,384	No	No	No	High school diploma or equivalent	No	No	No
	Riggers	36,899	54,509	61,678	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	51,227	68,642	77,507	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
	HelpersInstallation, Maintenance, and Repair Workers	29,120	35,537	38,139	No	No	No	High school diploma or equivalent	No	No	No
	Installation, Maintenance, and Repair Workers, All Other	29,553	41,815	47,746	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	38,835	66,640	81,179	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	29,561	47,387	63,458	No	No	No	Postsecondary nondegree award	No	No	Yes
51-2021	Coil Winders, Tapers, and Finishers	36,023	49,330	52,560	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders,										
	Tapers, and Finishers	28,332	37,685	40,783	No	No	No	High school diploma or equivalent	No	No	No
	Engine and Other Machine Assemblers	36,489	47,109	52,300	Yes	No	No	High school diploma or equivalent	Yes	No	No
	Structural Metal Fabricators and Fitters	35,102	46,132	50,624	Yes	No	No	High school diploma or equivalent	Yes	No	No
	Fiberglass Laminators and Fabricators	29,321	38,806	44,934	No	No	No	High school diploma or equivalent	No	No	No
	Timing Device Assemblers and Adjusters								1		
	Miscellaneous Assemblers and Fabricators	24,536	34,919	38,180	No	No	No	High school diploma or equivalent	No	No	No
	Bakers	25,568	33,140	37,436	No	No	No	High school diploma or equivalent	No	No	No
	Butchers and Meat Cutters	28,524	39,982	45,185	No	No	No	No formal educational credential	Yes	Yes	Yes
	Meat, Poultry, and Fish Cutters and Trimmers	26,124	37,863	42,224	No	No	No	No formal educational credential	Yes	Yes	Yes
	Slaughterers and Meat Packers	28,848	30,333	31,482	No	No	No	No formal educational credential	Yes	No	No
	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	26,974	40,151	39,425	No	No	No	No formal educational credential	Yes	Yes	Yes
	Food Batchmakers	23,993	31,178	31,807	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	27,212	34,700	38,428	No	No	No	High school diploma or equivalent	No	No	No
	Food Processing Workers, All Other	24,026	31,985	37,430	No	No	No	No formal educational credential	No	No	Yes
	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	24,961	38,584	45,752	No	No	No	High school diploma or equivalent	No	No	No

Wages - Workforce Ro May 2022		Annual W	ages (\$) by Occupat	ion	Wage Meet	ts or Exceeds All Oc	cupation Metric		Wage Mee	ts or Exceeds Educa	tional Level Metric
nay zozz	<b>'</b>		Average Annual	High-Level Wage	Representative	Average Annual			Representative	Average Annu	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	32,891	43,446	49,623	No	No	No	High school diploma or equivalent	Yes	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	28,446	36,802	43,346	No	No	No	High school diploma or equivalent	No	No	No
F1 4024	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20.200	20.724	45.256	No.	N-	NI-	High calculations as assistant	N-	N-	N-
51-4031	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and	28,300	38,731	45,256	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Plastic	32,685	60,991	90,609	No	Yes	Yes	High school diploma or opulvalent	Yes	Yes	Yes
31-4032	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and	32,083	60,991	90,009	INO	res	res	High school diploma or equivalent	res	res	res
51-4033	Tenders, Metal and Plastic	25,897	34,154	36,243	No	No	No	High school diploma or equivalent	No	No	No
	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and	23,037	34,234	30,243	110	110	110	riigii serioor dipionid or equivalent	1	110	
51-4034	Plastic	28,710	39,591	47,789	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	34,180	45,700	50,046	No	No	No	Postsecondary nondegree award	Yes	No	No
51-4041	Machinists	32,970	49,264	57,911	No	No	No	Postsecondary nondegree award	No	No	No
51-4051	Metal-Refining Furnace Operators and Tenders	34,193	48,689	53,866	No	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	32,349	50,577	61,338	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4061	Model Makers, Metal and Plastic	27,355	48,164	63,189	No	No	No	High school diploma or equivalent	No	No	Yes
51-4062	Patternmakers, Metal and Plastic	29,271	54,760	84,616	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-4071	Foundry Mold and Coremakers	25,229	43,576	59,582	No	No	No	High school diploma or equivalent	No	No	Yes
	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders,										
51-4072	Metal and Plastic	29,505	38,132	41,945	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	30,434	39,838	46,438	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	38,923	59,787	63,173	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	32,344	47,902	56,062	No	No	No	Postsecondary nondegree award	No	No	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	32,571	37,802	39,739	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	27,049	44,194	51,368	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	36,803	51,780	57,057	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	32,609	43,630	48,626	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	29,845	39,935	42,156	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	29,092	37,027	38,974	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	35,151	51,094	60,331	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-5112	Printing Press Operators	29,086	41,012	47,300	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	28,693	40,506	47,107	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	22,212	26,495	28,982	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	26,357	29,720	30,300	No	No	No	No formal educational credential	Yes	No	No
51-6031	Sewing Machine Operators	22,212	32,102	37,021	No	No	No	No formal educational credential	No	No	Yes
51-6041	Shoe and Leather Workers and Repairers	25,532	35,741	40,347	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	29,336	42,384	50,143	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	24,254	31,259	34,581	No	No	No	No formal educational credential	Yes	No	No
51-6052	Tailors, Dressmakers, and Custom Sewers	30,994	38,342	40,303	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061 51-6062	Textile Bleaching and Dyeing Machine Operators and Tenders	25,012	29,954	30,615 39,458	No No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Cutting Machine Setters, Operators, and Tenders	30,073	35,957 34,397	,		No	No No	High school diploma or equivalent	No No	No	No No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	29,910	34,397	37,453	No	No	NO	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	25,218	36,402	41,376	No.	No	N-	High seheal dislance as assistant	N-	N-	N-
31-0004		25,218	30,402	41,376	No	NO	No	High school diploma or equivalent	No	No	No
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	36,619	63,798	90.739	Yes	Yes	V	High cabant dialogue as assistated	V	Yes	Yes
51-6092		29,271	54,760	84,616		No No	Yes	High school diploma or equivalent	Yes		
51-6093	Fabric and Apparel Patternmakers  Upholsterers	29,271	40,857	44,806	No No	No No	Yes No	High school diploma or equivalent High school diploma or equivalent	No No	Yes No	Yes No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	28,853	32,616	39.109	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	30.225	41.436	47.935	No.	No	No		No No	No	No
51-7021	Furniture Finishers	30,759	48,135	57,551	No	No	No	High school diploma or equivalent High school diploma or equivalent	Yes	No	Yes
51-7021	Model Makers, Wood	35.827	56,429	65.673	Yes	No	No		Yes	Yes	Yes
51-7032	Patternmakers, Wood	33,027	30,423	03,073	res	NU	INU	High school diploma or equivalent	ies	162	res
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	26.850	33.654	36.634	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Wood  Woodworking Machine Setters, Operators, and Tenders, Except Sawing	28,231	35.093	35.834	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	29.845	35,340	35,719	No	No	No	High school diploma or equivalent	No	No	No
51-8011	Nuclear Power Reactor Operators	52.614	83,012	105.098	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	61,010	90,732	104.050	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	48.729	68.835	80.665	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	52,278	68,274	73,822	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	41.269	57.261	63.442	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	45,342	67,168	72,717	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-8092	Gas Plant Operators	39,265	59.126	72,717	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	50.691	71,831	82,338	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	43.717	62,758	70,354	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	31,200	43,266	45,424	No	No	No	High school diploma or equivalent	Yes	No	No
	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,	,	,0	,			-	J	1 1		
51-9012	Operators, and Tenders	26,788	41,385	46,001	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	26,251	39,958	47,015	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	30,864	38,548	41,918	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	27,523	38,852	43,038	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	23,787	38,645	43,413	No	No	No	No formal educational credential	No No	Yes	Yes
	Cutting and Slicing Machine Setters, Operators, and Tenders	29,634	38,553	39,597	No	No	No	High school diploma or equivalent	No	No	No
51-9032	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and	, /	,	,			-	J	1 1		
51-9032					1	No	No	High school diploma or equivalent	No	No	No
		27.821	40.513	43,956							
51-9032 51-9041 51-9051	Tenders	27,821 33,237	40,513 42,568	43,956 47,781	No No						
51-9041 51-9051	Tenders Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	33,237	42,568	43,956 47,781 58,158	No	No	No	High school diploma or equivalent	Yes	No	No
51-9041	Tenders			47,781							

Wages - Workforce Region 22

May 2022	egion 22	Annual W	ages (\$) by Occupa	tion	Wage Meet	ts or Exceeds All Occu	pation Metric		Wage Meets	or Exceeds Education	nal Level Metric
		Representative	Average Annual	High-Level Wage	Representative	Average Annual	High-Level Wage		Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-9082	Medical Appliance Technicians	29,391	38,310	38,621	No	No	No	Postsecondary nondegree award	No	No	No
51-9083	Ophthalmic Laboratory Technicians	24,736	32,797	37,023	No No	No	No No	High school diploma or equivalent	No No	No	No No
51-9111 51-9123	Packaging and Filling Machine Operators and Tenders	23,270	33,229 38,927	36,920	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
51-9124	Painting, Coating, and Decorating Workers  Coating Painting and Spraying Machine Setters, Operators, and Tenders	27,331		46,025				High school diploma or equivalent	1 1		
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	31,245	43,864	49,528	No Voc	No	No	High school diploma or equivalent	Yes	No	No
51-9151	Semiconductor Processing Technicians Photographic Process Workers and Processing Machine Operators	41,268 25,370	51,931 38,363	55,074 41,311	Yes No	No No	No No	High school diploma or equivalent	Yes No	Yes No	No No
51-9161	Computer Numerically Controlled Tool Operators	31,561	46,830	52,913	No No	No	No	High school diploma or equivalent Postsecondary nondegree award	No.	No	No
51-9162	Computer Numerically Controlled Tool Programmers	36,480	62,341	74,403	Yes	Yes	Yes	Associate's degree	No.	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	25,218	36,402	41,376	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	28,241	39,079	51,227	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	29,921	49,591	52,820	No	No	No	High school diploma or equivalent	No	Yes	No
51-9194	Etchers and Engravers	28,664	34,301	37,119	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	27,610	36,347	38,500	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	31,623	48,203	56,786	No	No	No	High school diploma or equivalent	Yes	No	Yes
51-9197	Tire Builders	31,471	40,726	44,009	No	No	No	High school diploma or equivalent	Yes	No	No
51-9198	HelpersProduction Workers	24,066	32,438	37,411	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	23,075	37,130	41,682	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	37,812	58,859	62,173	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
	First-Line Supervisors of Transportation and Material Moving Workers, Except										
53-1047	Aircraft Cargo Handling Supervisors	37,415	59,648	70,998	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	132,415	358,877	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	79,824	163,494	235,262	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	63,664	96,908	110,261	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	29,376	38,598	37,513	No	No	No	Some college, no degree	Yes	No	No
53-2031	Flight Attendants	29,373	71,183	80,441	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	27,906	33,227	35,275	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	21,798	33,235	41,826	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	35,849	50,925	59,484	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	26,893	43,187	47,347	No	No	No	High school diploma or equivalent	No	No	No
53-3051	Bus Drivers, School	27,594	35,772	37,233	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	34,805	46,514	58,825	Yes	No	No	High school diploma or equivalent	Yes	No	Yes
53-3053 53-3054	Shuttle Drivers and Chauffeurs	25,647 30,820	33,576 31,761	35,304 30,820	No No	No No	No No	High school diploma or equivalent	No Yes	No No	No No
53-3054	Taxi Drivers	23,673	31,761	30,820	No No	No No	No No	No formal educational credential	Yes No	No No	No No
53-4011	Motor Vehicle Operators, All Other Locomotive Engineers	61,327	74.494	80.476			Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4011	Rail Yard Engineers. Dinkey Operators, and Hostlers	34.895	74,494 58.499	56,353	Yes Yes	Yes No	No.	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	42.406	64.123	67.071	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	68.675	77,518	80,530	Yes	Yes	Yes	High school diploma or equivalent High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	31,666	45,256	56,841	No.	No	No	High school diploma or equivalent	Yes	No	Yes
53-4099	Rail Transportation Workers, All Other	44,714	45,462	44,725	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-5011	Sailors and Marine Oilers	30.455	45,398	49,356	No.	No	No	High school diploma or equivalent	No.	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	43.125	101,826	126,584	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	28,489	46,858	50.125	No	No	No	Postsecondary nondegree award	No	No	No
53-5031	Ship Engineers	53,604	91,952	107,737	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	24,084	31,180	27,334	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	21,244	28,031	31,618	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	26,813	32,942	36,699	No	No	No	No formal educational credential	Yes	Yes	Yes
53-6032	Aircraft Service Attendants	28,890	36,986	38,204	No	No	No	High school diploma or equivalent	No	No	No
53-6041	Traffic Technicians	30,953	50,401	61,653	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	56,887	107,634	130,686	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	23,061	35,318	41,279	No	No	No	High school diploma or equivalent	No	No	No
53-6099	Transportation Workers, All Other	22,541	33,313	35,296	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	31,656	36,113	36,274	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7021	Crane and Tower Operators	36,752	63,891	77,644	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	38,334	52,689	54,122	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
53-7041	Hoist and Winch Operators	34,960	54,782	56,136	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	30,222	40,589	47,518	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	22,810	31,310	33,578	No	No	No	No formal educational credential	No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	25,674	34,187	36,885	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	20,800	33,753	44,309	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	23,444	27,578	29,139	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	25,317	33,595	37,520	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	33,270	39,685	36,868	No	No	No	High school diploma or equivalent	Yes	No	No
53-7072	Pump Operators, Except Wellhead Pumpers	37,501	47,894	51,817	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-7073	Wellhead Pumpers	33,270	39,685	36,868	No	No	No	High school diploma or equivalent	Yes	No	No
53-7081	Refuse and Recyclable Material Collectors	30,585	42,230	52,259	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	47,492	63,029	61,296	Yes	Yes	No	No formal educational credential	Yes	Yes	Yes
53-7199	Material Moving Workers, All Other	29,308	42,584	40,767	No	No	No	No formal educational credential	Yes	Yes	Yes

 $[\]ensuremath{^{*}}$  indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

## Summary - Workforce Region 22

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	34,715	58,789	67,532	827
No formal educational credential	24,032	32,567	35,306	84
High school diploma or equivalent	30,730	48,806	56,159	236
Some college, no degree	28,961	44,411	49,952	49
Postsecondary nondegree award	33,725	50,879	59,334	90
Associate's degree	39,564	58,580	67,034	68
Bachelor's degree	48,880	95,608	112,355	184
Master's degree	51,621	82,487	96,021	43
Doctoral or professional degree	61,951	145,138	160,452	73

	Representative	Starting Wage	Average Ar	nual Wage	High-Level Wage Threshold		
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	
All Occupations	473	354	490	337	476	351	
No formal educational credential	34.52%	65.48%	33.33%	66.67%	28.57%	71.43%	
High school diploma or equivalent	61.44%	38.56%	76.69%	23.31%	76.69%	23.31%	
Some college, no degree	30.61%	69.39%	28.57%	71.43%	28.57%	71.43%	
Postsecondary nondegree award	47.78%	52.22%	42.22%	57.78%	41.11%	58.89%	
Associate's degree	63.24%	36.76%	44.12%	55.88%	39.71%	60.29%	
Bachelor's degree	62.50%	37.50%	67.39%	32.61%	67.93%	32.07%	
Master's degree	72.09%	27.91%	55.81%	44.19%	48.84%	51.16%	
Doctoral or professional degree	71.23%	28.77%	69.86%	30.14%	64.38%	35.62%	

Nages - Workforce Re Nay 2022	egion 23	Annual W	/ages (\$) by Occupat	ion	Wage Mee	s or Evenade All (	Occupation Metric		1	Wage Meets	or Exceeds Education	aal Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
11-1011	Chief Executives	81,165	248,808	*	Yes	Yes	Yes*	Bachelor's degree		Yes	Yes	Yes*
11-1021 11-1031	General and Operations Managers	40,394 22,680	116,562	142,570 124,553	Yes No	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-1031	Legislators Advertising and Promotions Managers	67.882	87,759 130,763	124,553	Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	-	No Yes	No Yes	Yes
11-2011	Marketing Managers  Marketing Managers	64,097	152,948	172,806	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2022	Sales Managers	61,575	142.038	173,193	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2032	Public Relations Managers	65,147	120,119	134,208	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2033	Fundraising Managers	70.623	132,361	155,527	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3012	Administrative Services Managers	40,508	109,537	135,470	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-3013	Facilities Managers	52,010	104,553	134,222	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	96,593	165,860	193,453	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3031	Financial Managers	80,068	168,460	206,140	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3051	Industrial Production Managers	34,653	101,288	132,318	No	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-3061	Purchasing Managers	71,037	133,245	161,119	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	53,026	114,827	149,140	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	78,499	130,703	157,486	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3121	Human Resources Managers	75,514	132,315	162,312	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3131 11-9013	Training and Development Managers  Farmers, Ranchers, and Other Agricultural Managers	66,330	122,524	140,355	Yes	Yes	Yes	Bachelor's degree	_	Yes	Yes	Yes
11-9013	Construction Managers	24,804 64,560	92,157 125,152	132,139 143,676	No Yes	Yes	Yes	Bachelor's degree Bachelor's degree		No Yes	No Yes	Yes Yes
11-9021		31,474	125,152 56,732	143,676 56.655	Yes No	Yes No	Yes No		-	Yes No	Yes No	Yes No
11-9031	Education and Childcare Administrators, Preschool and Daycare Education Administrators, Kindergarten through Secondary	59,344	99,013	105,761	Yes	Yes	No Yes	Bachelor's degree Master's degree		Yes	Yes	Yes
11-9032	Education Administrators, Kindergarten through Secondary  Education Administrators, Postsecondary	62,711	99,013 101.859	105,761	Yes	Yes	Yes	Master's degree Master's degree		Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary  Education Administrators, All Other	32,711	56.364	59.184	No Yes	No.	No.	Master's degree	1	No.	No.	No.
11-9041	Architectural and Engineering Managers	80,726	135.593	163.200	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9051	Food Service Managers	45.069	85.180	99.375	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
11-9071	Gambling Managers	57.456	109.870	111.294	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
11-9072	Entertainment and Recreation Managers, Except Gambling	47.073	89.140	101.546	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9081	Lodging Managers	48,966	107,220	143,797	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9111	Medical and Health Services Managers	63,605	118,966	133,937	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9121	Natural Sciences Managers	50,165	90,458	104,431	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
11-9131	Postmasters and Mail Superintendents	82,405	99,842	109,238	Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	31,554	70,331	80,085	No	Yes	Yes	Bachelor's degree		No	No	No
11-9151	Social and Community Service Managers	43,478	82,446	92,730	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9161	Emergency Management Directors	51,341	92,984	101,834	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
11-9171	Funeral Home Managers	47,328	85,458	82,586	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
11-9179	Personal Service Managers, All Other	47,885	77,879	97,495	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9199	Managers, All Other	64,176	132,473	161,069	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	31,011	104,954	161,336	No	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-1020	Buyers and Purchasing Agents	36,870	67,425	80,470	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	39,811	71,088	82,808	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	49,459	67,954	80,273	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
13-1041 13-1051	Compliance Officers  Cost Estimators	47,579	80,364	101,214	Yes	Yes	Yes	Bachelor's degree	_	No	No	No
13-1051	Lost Estimators  Human Resources Specialists	38,149 40,006	70,992 77,422	84,709 84,448	Yes Yes	Yes	Yes	Bachelor's degree		No No	No No	No
13-1074	Farm Labor Contractors	26,193	96,255	134,478	No Yes	Yes	Yes Yes	Bachelor's degree  No formal educational credential	-	Yes	Yes	No Yes
13-1074	Labor Relations Specialists	48.866	82.328	101.178	Yes	Yes	Yes	Bachelor's degree		Yes	No.	No.
13-1073	Logisticians	40,619	59.468	66,623	Yes	No	No.	Bachelor's degree		No	No	No
13-1082	Project Management Specialists	51,646	97.190	115.017	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1111	Management Analysts	37,435	100.874	128.564	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	31,220	56.534	71,176	No	No	Yes	Bachelor's degree	1	No	No	No
13-1131	Fundraisers	38,409	67,803	90,164	Yes	Yes	Yes	Bachelor's degree	1	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	45,543	73,371	94,047	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1151	Training and Development Specialists	36,482	70,133	82,396	Yes	Yes	Yes	Bachelor's degree	1	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	39,963	96,479	100,389	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1199	Business Operations Specialists, All Other	37,334	73,854	87,437	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2011	Accountants and Auditors	46,643	84,615	100,549	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2020	Property Appraisers and Assessors	47,986	111,365	147,216	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-2031	Budget Analysts	51,396	95,272	109,493	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
13-2041	Credit Analysts	52,309	89,033	102,932	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
13-2051	Financial and Investment Analysts	53,033	98,600	105,487	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
13-2052	Personal Financial Advisors	48,734	151,104	198,694	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-2053	Insurance Underwriters	48,360	82,660	97,923	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2054	Financial Risk Specialists	57,799	119,431	134,133	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-2061	Financial Examiners	47,518	92,479	112,460	Yes	Yes	Yes	Bachelor's degree	-	No	No	No
13-2071 13-2072	Credit Counselors Loan Officers	33,813	50,935	57,568	No	No	No	Bachelor's degree	-	No	No	No
13-2072	Tax Examiners and Collectors, and Revenue Agents	29,613 34.466	75,564 75,191	97,010 100.100	No No	Yes	Yes	Bachelor's degree	1	No No	No No	No No
13-2081	Tax Preparers	34,466 23,187	75,191 49,434	100,100 78,240	No No	Yes No	Yes Yes	Bachelor's degree Postsecondary nondegree award		No No	No No	No Yes
13-2082	Financial Specialists, All Other	32,736	49,434 59.327	78,240 72.814	No No	No No	Yes	Bachelor's degree	1	No No	No No	Yes No
15-1211	Computer Systems Analysts	53,736	109,488	132,044	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
15-1211	Information Security Analysts	62.484	109,488	132,044	Yes	Yes	Yes	Bachelor's degree	1	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	82,624	149,442	195.104	Yes	Yes	Yes	Master's degree	1	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	44.114	73.839	85,489	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
15-1232	Computer User Support Specialists	32,661	58,790	68,218	No	No	No	Postsecondary nondegree award	1	No	Yes	Yes
15-1241	Computer Oser Support Specialists  Computer Network Architects	64,395	117,643	141.306	Yes	Yes	Yes	Bachelor's degree	1	Yes	Yes	Yes
15-1242	Database Administrators	56,257	114,868	133,915	Yes	Yes	Yes	Bachelor's degree	1	Yes	Yes	Yes
15-1243	Database Architects	80,052	132,666	158,331	Yes	Yes	Yes	Bachelor's degree	1	Yes	Yes	Yes
		30,032	_52,000	130,331	1				1			

May 2022	egion 23	Annual W	/ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All C	Occupation Metric			Wage Meet	s or Exceeds Educati	onal Level Metric
, 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annual	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
15-1244	Network and Computer Systems Administrators	55,325	94,933	108,591	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
15-1251	Computer Programmers	58,947	146,571	225,951	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1252 15-1253	Software Developers	51,392 50,997	113,334 84.496	134,925 105.471	Yes	Yes	Yes Yes	Bachelor's degree		Yes	Yes No	Yes No
15-1254	Software Quality Assurance Analysts and Testers  Web Developers	50,997	72,312	74,458	Yes Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1255	Web and Digital Interface Designers	49,141	72,312 86,912	96,368	Yes	Yes	Yes	Associate's degree Associate's degree	_	Yes	Yes	Yes
15-1299	Computer Occupations, All Other	49,141 35.281	97.044	126,733	Yes	Yes	Yes	Bachelor's degree		No.	Yes	Yes
15-2011	Actuaries	70,986	125,514	138,695	Yes	Yes	Yes	Bachelor's degree	_	Yes	Yes	Yes
15-2021	Mathematicians	43,348	103.007	141.652	Yes	Yes	Yes	Master's degree		No	Yes	Yes
15-2031	Operations Research Analysts	40,820	79,283	97,987	Yes	Yes	Yes	Bachelor's degree		No	No	No
15-2041	Statisticians	50,140	81,986	94,597	Yes	Yes	Yes	Master's degree		Yes	No	No
15-2051	Data Scientists	52,031	107,618	127,807	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2099	Mathematical Science Occupations, All Other	44,129	90,837	110,029	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1011	Architects, Except Landscape and Naval	20,800	76,625	102,115	No	Yes	Yes	Bachelor's degree		No	No	No
17-1012	Landscape Architects	47,473	72,916	79,447	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1021	Cartographers and Photogrammetrists	52,478	76,754	83,897	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-1022 17-2011	Surveyors	35,303 67.867	65,829	82,103 107.873	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2011	Aerospace Engineers Agricultural Engineers	50,772	98,619 93,914	120,866	Yes	Yes	Yes Yes	Bachelor's degree		Yes	Yes No	No Yes
17-2021	Bioengineers and Biomedical Engineers	61.349	105.055	132,464	Yes Yes	Yes	Yes	Bachelor's degree Bachelor's degree	_	Yes	Yes	Yes
17-2031	Chemical Engineers	73,020	118,265	145,477	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2041	Civil Engineers	48.318	101.734	128.865	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
17-2061	Computer Hardware Engineers	69,854	129,582	142,563	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2071	Electrical Engineers	58,973	98,067	129,210	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	78,674	100,475	109,577	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
17-2081	Environmental Engineers	43,752	90,054	106,134	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	60,320	92,165	102,865	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2112	Industrial Engineers	61,864	104,781	127,942	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	51,532	70,981	87,223	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2131	Materials Engineers	56,828	95,158	105,169	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2141	Mechanical Engineers	57,192	91,695	106,805	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2151 17-2161	Mining and Geological Engineers, Including Mining Safety Engineers  Nuclear Engineers	50,327 87.889	104,827 126.675	117,908 137,295	Yes	Yes	Yes Yes	Bachelor's degree		Yes	Yes	Yes
17-2101	Petroleum Engineers	72,825	142,280	170,695	Yes Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes Yes	Yes Yes
17-2171	Engineers, All Other	47.549	89,062	101,859	Yes	Yes	Yes	Bachelor's degree	_	No	No	No
17-3011	Architectural and Civil Drafters	40,539	58,561	65.255	Yes	No	No	Associate's degree		Yes	No	No
17-3012	Electrical and Electronics Drafters	47,084	66,190	81,919	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3013	Mechanical Drafters	35,360	51,809	60,435	Yes	No	No	Associate's degree		No	No	No
17-3019	Drafters, All Other	37,140	58,975	66,538	Yes	No	No	Associate's degree		No	No	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	36,344	58,069	59,049	Yes	No	No	Associate's degree		No	No	No
17-3022	Civil Engineering Technologists and Technicians	36,456	54,776	67,015	Yes	No	No	Associate's degree		No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	38,521	64,249	78,520	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	49,818	77,138	87,130	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	36,006	55,390	66,444	Yes	No	No	Associate's degree		No	No	No
17-3026	Industrial Engineering Technologists and Technicians	46,297	66,192	76,156	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	27,879	54,061	64,723	No	No	No	Associate's degree		No	No	No
17-3028 17-3029	Calibration Technologists and Technicians Engineering Technologists and Technicians, Except Drafters, All Other	39,098 37.406	62,421 60.585	80,717 75,234	Yes Yes	Yes No	Yes Yes	Associate's degree Associate's degree		No No	Yes Yes	Yes Yes
17-3025	Surveying and Mapping Technicians	30,971	50,585	57.759	No.	No.	No.	Associate's degree	_	No.	No.	No.
19-1011	Animal Scientists	40,444	88,474	131,909	Yes	Yes	Yes	Master's degree	_	No	Yes	Yes
19-1012	Food Scientists and Technologists	23,634	75.829	120,000	No.	Yes	Yes	Bachelor's degree		No	No	Yes
19-1013	Soil and Plant Scientists	58.302	83,507	99,652	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19-1021	Biochemists and Biophysicists	62,865	96,478	118,038	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	No
19-1022	Microbiologists	39,045	62,044	77,940	Yes	Yes	Yes	Master's degree		No	No	No
19-1023	Zoologists and Wildlife Biologists	39,520	73,969	103,051	Yes	Yes	Yes	Master's degree		No	No	Yes
19-1029	Biological Scientists, All Other	43,680	67,003	92,997	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1031	Conservation Scientists	32,386	76,607	96,886	No	Yes	Yes	Bachelor's degree		No	No	No
19-1032	Foresters	40,509	65,467	77,095	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-1041	Epidemiologists	62,174	90,800	101,390	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	No
19-1042	Medical Scientists, Except Epidemiologists	58,369	88,480	100,101	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19-1099 19-2011	Life Scientists, All Other	61,132	93,882	100,330	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19-2011 19-2012	Astronomers Physicists	84,421 68.659	172,678	242,231 232,905	Yes	Yes	Yes	Doctoral or professional degree	_	Yes	Yes	Yes
19-2012	Atmospheric and Space Scientists	68,659 62,599	173,919 101.078	232,905 130.686	Yes Yes	Yes Yes	Yes Yes	Doctoral or professional degree Bachelor's degree		Yes	Yes Yes	Yes Yes
19-2031	Chemists	48,026	86,321	107,719	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2032	Materials Scientists	74,635	125,873	147,255	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	37,565	73,885	89,336	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	53,791	105,358	128,605	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
19-2043	Hydrologists	53,746	68,827	79,934	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
19-2099	Physical Scientists, All Other	48,205	104,040	123,050	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
19-3011	Economists	78,579	126,282	154,440	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
19-3022	Survey Researchers	57,328	109,216	138,509	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
19-3032	Industrial-Organizational Psychologists	80,661	138,812	167,975	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	Yes
19-3033	Clinical and Counseling Psychologists	47,765	91,814	135,501	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
19-3034	School Psychologists	63,881	82,997	102,488	Yes	Yes	Yes	Doctoral or professional degree		Yes	No	No
19-3039	Psychologists, All Other	27,997	99,125	123,989	No	Yes	Yes	Doctoral or professional degree		No	No	No
19-3041	Sociologists Urban and Regional Planners	31,807 50,393	63,614	55,107	No	Yes	No	Master's degree		No	No	No
19-3051			93,296	105,224	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes

May 2022	egion 23	Annual W	ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All O	Occupation Metric		l w	age Meets	or Exceeds Educat	ional Level Metric
, 2022			Average Annual	High-Level Wage	Representative	Average Annu				entative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Startin	g Wage	Wage	Threshold
19-3091	Anthropologists and Archeologists	39,874	64,466	76,475	Yes	Yes	Yes	Master's degree	No		No	No
19-3092 19-3093	Geographers	61,132	93,882 77.930	100,330 106.074	Yes	Yes	Yes	Master's degree	Yes		Yes	No
19-3093	Historians Political Scientists	39,014 41,679	104,090	106,074	Yes Yes	Yes	Yes Yes	Master's degree	No No		No Yes	Yes Yes
19-3094	Social Scientists and Related Workers, All Other	57.283	90.882	141,316	Yes	Yes	Yes	Master's degree Bachelor's degree	Yes		No Yes	No Yes
19-4012	Agricultural Technicians	32,565	43,316	50,284	No	No	No	Associate's degree	No		No	No
19-4013	Food Science Technicians	35,307	57.198	78.797	Yes	No	Yes	Associate's degree	No		No	Yes
19-4021	Biological Technicians	27,932	44,630	51,360	No	No	No	Bachelor's degree	No		No	No
19-4031	Chemical Technicians	32,220	49,783	56,734	No	No	No	Associate's degree	No		No	No
19-4042	Environmental Science and Protection Technicians, Including Health	28,422	34,660	34,695	No	No	No	Associate's degree	No		No	No
19-4043	Geological Technicians, Except Hydrologic Technicians	34,310	44,118	48,203	No	No	No	Associate's degree	No		No	No
19-4044	Hydrologic Technicians	39,133	61,165	73,150	Yes	Yes	Yes	Associate's degree	No		Yes	Yes
19-4051	Nuclear Technicians	42,373	68,826	87,369	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
19-4061	Social Science Research Assistants	31,493	47,836	49,464	No	No	No	Bachelor's degree	No		No	No
19-4071	Forest and Conservation Technicians	34,382	50,431	59,821	No	No	No	Associate's degree	No		No	No
19-4092 19-4099	Forensic Science Technicians	50,104	100,640	136,163	Yes	Yes	Yes	Bachelor's degree	Yes		Yes	Yes
19-5011	Life, Physical, and Social Science Technicians, All Other Occupational Health and Safety Specialists	28,922 37.565	53,456 75,782	62,637 96.571	No	No	No	Bachelor's degree	No No		No No	No No
19-5012	Occupational Health and Safety Technicians	40,338	68,549	78,625	Yes Yes	Yes	Yes Yes	Bachelor's degree	Yes		Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	34.589	58.216	69.058	No.	No	No.	Postsecondary nondegree award Master's degree	No		No	No
21-1013	Marriage and Family Therapists	39,764	48,810	50,729	Yes	No	No	Master's degree	No		No	No
21-1015	Rehabilitation Counselors	26,711	47.156	49,475	No	No	No	Master's degree	No		No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	31,873	51,220	59,279	No	No	No	Bachelor's degree	No		No	No
21-1019	Counselors, All Other	33,706	46,815	47,587	No	No	No	Master's degree	No		No	No
21-1021	Child, Family, and School Social Workers	31,584	55,345	66,361	No	No	No	Bachelor's degree	No		No	No
21-1022	Healthcare Social Workers	40,255	59,476	73,336	Yes	No	Yes	Master's degree	No		No	No
21-1023	Mental Health and Substance Abuse Social Workers	35,270	51,930	60,333	Yes	No	No	Bachelor's degree	No		No	No
21-1029	Social Workers, All Other	39,603	58,688	56,659	Yes	No	No	Bachelor's degree	No		No	No
21-1091	Health Education Specialists	37,225	65,553	96,762	Yes	Yes	Yes	Bachelor's degree	No		No	No
21-1092 21-1093	Probation Officers and Correctional Treatment Specialists	33,717	53,603	61,422	No	No	No	Bachelor's degree	No		No	No
21-1093	Social and Human Service Assistants  Community Health Workers	26,399 31.848	41,980 50.036	48,483 61.733	No	No No	No No	Some college, no degree	No No		No	No No
21-1094	Community health Workers  Community and Social Service Specialists, All Other	31,848	72.652	82,706	No No	Yes	Yes	Bachelor's degree Bachelor's degree	No No		No No	No
21-2011	Clergy	27,639	55,661	65,214	No	No	No.	Master's degree	No		No	No
21-2021	Directors, Religious Activities and Education	31,358	52,341	62,403	No	No	No	Bachelor's degree	No		No	No
21-2099	Religious Workers, All Other	29,737	50,928	60.334	No	No	No	Bachelor's degree	No		No	No
23-1011	Lawyers	60,008	146,784	168,315	Yes	Yes	Yes	Doctoral or professional degree	Yes		Yes	Yes
23-1012	Judicial Law Clerks	38,667	70,070	87,271	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	46,209	101,565	126,122	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
23-1022	Arbitrators, Mediators, and Conciliators	33,845	62,028	64,070	No	Yes	No	Bachelor's degree	No		No	No
23-1023	Judges, Magistrate Judges, and Magistrates	46,209	101,565	126,122	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
23-2011	Paralegals and Legal Assistants	37,873	59,304	64,628	Yes	No	No	Associate's degree	No		No	No
23-2093	Title Examiners, Abstractors, and Searchers	34,364	58,011	67,732	No	No	No	High school diploma or equivalent	Yes		Yes	Yes
23-2099	Legal Support Workers, All Other	29,767	54,799	56,306	No	No	No	Associate's degree	No		No	No
25-1011	Business Teachers, Postsecondary	47,760	102,302	126,617 102,605	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1021 25-1022	Computer Science Teachers, Postsecondary  Mathematical Science Teachers, Postsecondary	48,395 47,353	87,782 79,839	99,928	Yes	Yes Yes	Yes	Doctoral or professional degree  Doctoral or professional degree	No No		No No	No No
25-1022	Architecture Teachers, Postsecondary	38.093	110,973	129,116	Yes Yes	Yes	Yes Yes	Doctoral or professional degree	No		No	No
25-1032	Engineering Teachers, Postsecondary	52,835	100,304	130.637	Yes	Yes	Yes	Doctoral or professional degree	No.		No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	48,702	67,569	82,156	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1042	Biological Science Teachers, Postsecondary	61,312	101.725	124,587	Yes	Yes	Yes	Doctoral or professional degree	Yes		No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	48,702	67,569	82,156	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	48,482	63,268	75,890	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1052	Chemistry Teachers, Postsecondary	41,863	98,158	139,532	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1053	Environmental Science Teachers, Postsecondary	48,268	78,461	97,816	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1054	Physics Teachers, Postsecondary	53,858	90,609	101,941	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	50,739	92,451	108,620	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	52,701	72,663	83,424	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1063	Economics Teachers, Postsecondary	49,635	81,426	89,100	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1064	Geography Teachers, Postsecondary	50,739	69,726	67,558	Yes	Yes	No	Doctoral or professional degree	No		No	No
25-1065 25-1066	Political Science Teachers, Postsecondary	47,610	91,237	126,441	Yes	Yes	Yes	Doctoral or professional degree	No No		No	No
25-1066	Psychology Teachers, Postsecondary Sociology Teachers, Postsecondary	51,845 45,228	86,899 97.587	97,734 120.524	Yes Yes	Yes	Yes Yes	Doctoral or professional degree	No No		No No	No No
25-1067	Sociology Teachers, Postsecondary  Social Sciences Teachers, Postsecondary, All Other	45,228 47,292	97,587 64,316	120,524 75.769	Yes	Yes	Yes	Doctoral or professional degree	No No		No No	No No
25-1009	Health Specialties Teachers, Postsecondary	61,676	92,229	101,072	Yes	Yes	Yes	Doctoral or professional degree Bachelor's degree	Yes		No	No
25-1071	Nursing Instructors and Teachers, Postsecondary	47,828	86,364	99,328	Yes	Yes	Yes	Master's degree	No No		No	No
25-1081	Education Teachers, Postsecondary	36,335	75,314	97,972	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1082	Library Science Teachers, Postsecondary	49,668	75,520	81,829	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	47,874	58,331	59,932	Yes	No	No	Doctoral or professional degree	No		No	No
25-1112	Law Teachers, Postsecondary	29,420	130,787	207,158	No	Yes	Yes	Doctoral or professional degree	No		No	Yes
25-1113	Social Work Teachers, Postsecondary	66,431	76,196	83,727	Yes	Yes	Yes	Doctoral or professional degree	Yes		No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	47,503	87,727	98,911	Yes	Yes	Yes	Master's degree	No		Yes	No
25-1122	Communications Teachers, Postsecondary	37,810	90,259	101,406	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1123	English Language and Literature Teachers, Postsecondary	47,767	75,171	81,950	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	46,494	75,852	92,395	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1125	History Teachers, Postsecondary	47,218	69,230	81,539	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1126	Philosophy and Religion Teachers, Postsecondary Family and Consumer Sciences Teachers, Postsecondary	46,634	73,073	79,323	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1192		41.116	80.986	92.971	Yes	Yes	Yes	Master's degree	No		No	No

May 2022	legion 23	Annual W	ages (\$) by Occupat	ion	Wage Mee	ts or Exceeds All O	ccupation Metric		1 1	Wage Meets	or Exceeds Educati	onal Level Metric
110, 2022			Average Annual	High-Level Wage	Representative	Average Annua			R	Representative	Average Annual	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	S	Starting Wage	Wage	Threshold
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	45,884	70,909	73,477	Yes	Yes	Yes	Doctoral or professional degree	N	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	37,042	54,851	64,697	Yes	No	No	Master's degree		No	No	No
25-1199	Postsecondary Teachers, All Other	38,039	68,985	80,103	Yes	Yes	Yes	Doctoral or professional degree		No	No	No
25-2011	Preschool Teachers, Except Special Education	21,437	33,435	35,650	No	No	No	Associate's degree		No	No	No
25-2012	Kindergarten Teachers, Except Special Education	37,960	63,473	83,126	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2021	Elementary School Teachers, Except Special Education	39,244	66,243	82,626	Yes	Yes	Yes	Bachelor's degree	N	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	47,454	73,884	84,940	Yes	Yes	Yes	Bachelor's degree	N	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	51,660	71,395	80,910	Yes	Yes	Yes	Bachelor's degree	Υ	es es	No	No
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	48,526	71,957	85,263	Yes	Yes	Yes	Bachelor's degree		No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	65,134	71,482	65,134	Yes	Yes	No	Bachelor's degree	Y	'es	No	No
25-2051	Special Education Teachers, Preschool	41,372	81,774	107,059	Yes	Yes	Yes	Bachelor's degree	N	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	39,756	67,522	83,789	Yes	Yes	Yes	Bachelor's degree	N	No	No	No
25-2057	Special Education Teachers, Middle School	31,725	72,009	83,694	No	Yes	Yes	Bachelor's degree		No	No	No
25-2058	Special Education Teachers, Secondary School	64,829	83,234	103,909	Yes	Yes	Yes	Bachelor's degree	Y	es es	No	No
25-2059	Special Education Teachers, All Other	30,002	36,245	36,462	No	No	No	Bachelor's degree	N	No	No	No
	Adult Basic Education, Adult Secondary Education, and English as a Second											
25-3011	Language Instructors	37,378	54,352	78,110	Yes	No	Yes	Bachelor's degree	N	No	No	No
25-3021	Self-Enrichment Teachers	23,944	41,501	50,248	No	No	No	Some college, no degree	N	No	No	No
25-3031	Substitute Teachers, Short-Term	23,816	46,496	37,237	No	No	No	Bachelor's degree	N	No	No	No
25-3041	Tutors	23,325	46,188	55,400	No	No	No	Bachelor's degree		No	No	No
25-3099	Teachers and Instructors, All Other	26,690	47,117	54,408	No	No	No	Bachelor's degree	N	No	No	No
25-4011	Archivists	30,300	54,141	60,289	No	No	No	Master's degree		No	No	No
25-4012	Curators	31,852	64,855	74,046	No	Yes	Yes	Master's degree	N	No	No	No
25-4013	Museum Technicians and Conservators	30,770	48,206	58,558	No	No	No	Bachelor's degree	N	No	No	No
25-4022	Librarians and Media Collections Specialists	41,627	84,877	104,579	Yes	Yes	Yes	Master's degree		No	No	Yes
25-4031	Library Technicians	36,906	51,975	60,909	Yes	No	No	Associate's degree	N	No	No	No
25-9021	Farm and Home Management Educators	30,902	51,246	59,653	No	No	No	Master's degree	N	No	No	No
25-9031	Instructional Coordinators	36,980	67,422	81,950	Yes	Yes	Yes	Master's degree	N	No	No	No
25-9044	Teaching Assistants, Postsecondary	21,536	34,509	44,897	No	No	No	Bachelor's degree	N	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	22,114	32,418	35,588	No	No	No	Some college, no degree	N	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	29,767	47,324	61,413	No	No	No	Bachelor's degree	N	No	No	No
27-1011	Art Directors	49,312	86,360	98,081	Yes	Yes	Yes	Bachelor's degree	Y	es es	No	No
27-1012	Craft Artists	23,040	37,204	42,904	No	No	No	Some college, no degree	N	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	29,791	51,205	51,595	No	No	No	Bachelor's degree	N	No	No	No
27-1014	Special Effects Artists and Animators	45,498	68,965	77,157	Yes	Yes	Yes	Bachelor's degree	N	No	No	No
27-1019	Artists and Related Workers, All Other	27,163	76,045	109,907	No	Yes	Yes	Some college, no degree	N	No	Yes	Yes
27-1021	Commercial and Industrial Designers	41,600	60,547	75,719	Yes	No	Yes	Bachelor's degree	N	No	No	No
27-1022	Fashion Designers	36,126	68,555	79,476	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1023	Floral Designers	24,238	34,232	35,823	No	No	No	High school diploma or equivalent	N	No	No	No
27-1024	Graphic Designers	36,793	61,997	68,498	Yes	Yes	No	Bachelor's degree	N	No	No	No
27-1025	Interior Designers	36,402	68,296	79,084	Yes	Yes	Yes	Bachelor's degree	N	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	27.227	35.438	38.973	No	No	No	Some college, no degree		No	No	No
27-1027	Set and Exhibit Designers	37,614	55,358	60,099	Yes	No	No	Bachelor's degree		No	No	No
27-1029	Designers, All Other	31,558	66.356	81,744	No	Yes	Yes	Bachelor's degree		No	No	No
27-2011	Actors	32,641	37,225	34,776	No	No	No	Some college, no degree		'es	No	No
27-2012	Producers and Directors	38.821	87,246	106.495	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-2021	Athletes and Sports Competitors	37,275	251,552	141,902	Yes	Yes	Yes	Some college, no degree		'es	Yes	Yes
27-2022	Coaches and Scouts	29,632	75,446	74.231	No	Yes	Yes	Bachelor's degree		No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	21.218	45.736	51.841	No	No	No	Some college, no degree	N	٧n	Yes	Yes
27-2031	Dancers	32,641	37,225	34,776	No	No	No	High school diploma or equivalent	Y	'es	No	No
27-2032	Choreographers	32.641	37.225	34.776	No	No	No	Some college, no degree		es es	No	No
27-2041	Music Directors and Composers	31.748	75.032	96,293	No	Yes	Yes	Bachelor's degree		No	No	No
27-2042	Musicians and Singers	32.641	37.225	34.776	No	No	No.	Some college, no degree		'es	No	No
27-2091	Disc Jockeys, Except Radio	24.058	65.781	65.142	No	Yes	No	Bachelor's degree		No	No	No
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	24.058	65.781	65.142	No	Yes	No	Some college, no degree		No	Yes	Yes
27-3011	Broadcast Announcers and Radio Disc Jockeys	23,350	79,604	90,584	No	Yes	Yes	Bachelor's degree		NO.	No	No
27-3023	News Analysts, Reporters, and Journalists	42,532	85,613	98.000	Yes	Yes	Yes	Bachelor's degree		No.	No	No
27-3031	Public Relations Specialists	34.021	67,010	77,210	No	Yes	Yes	Bachelor's degree		NO.	No	No
27-3041	Editors	40,943	65,596	77,886	Yes	Yes	Yes	Bachelor's degree		No.	No	No
27-3041	Technical Writers	46,924	76,729	86,187	Yes	Yes	Yes	Bachelor's degree		NO.	No	No
27-3042	Writers and Authors	36.797	67.757	81.127	Yes	Yes	Yes	Bachelor's degree		NO NO	No	No
27-3043	Interpreters and Translators	36,797	60,475	81,127	No.	No.	Yes	Bachelor's degree		NO NO	No	No
27-3092	Court Reporters and Simultaneous Captioners	28.285	60,475	84,784	No	No	Yes	Postsecondary nondegree award		NO NO	Yes	Yes
27-3092	Media and Communication Workers, All Other	28,285	47.062	58,674	No	No.	No.	Associate's degree		NO.	No Yes	No Yes
27-4011	Audio and Video Technicians	25,707	48,765	59,510	No	No	No	Associate's degree		NO.	No	No
27-4011	Broadcast Technicians	29,379	68.049	84.721	No	Yes	Yes	Associate's degree		NO.	Yes	Yes
27-4012	Sound Engineering Technicians	29,379	57,529	67,092	No	No No	No Yes	Associate's degree		NO NO	No Yes	No Yes
27-4014	Lighting Technicians	23,551	42,419	29,994	No No	No	No No	Associate's degree Associate's degree		NO NO	No No	No No
27-4015	Photographers	29,994	42,419 56.840	29,994 77.659	No No	No No	Yes			vo 'es	Yes	Yes
27-4021	Camera Operators, Television, Video, and Film	-,	55,840	58,543	No No	No		Some college, no degree				
27-4031		31,631 35,268	52,481 61.045	58,543 66,500	No Yes		No No	Bachelor's degree		No No	No No	No No
	Film and Video Editors  Media and Communication Equipment Workers, All Other					Yes		Bachelor's degree				
27-4099 29-1011	Media and Communication Equipment Workers, All Other Chiropractors	24,208	70,754	92,997	No	Yes	Yes	Associate's degree		No.	Yes	Yes
		43,954	85,865	83,852	Yes	Yes	Yes	Doctoral or professional degree		No .	No	No
29-1021	Dentists, General	55,308	168,116	211,132	Yes	Yes	Yes	Doctoral or professional degree		res .	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	56,927	246,338	*	Yes	Yes	Yes*	Doctoral or professional degree		'es	Yes	Yes*
29-1023	Orthodontists	76,304	185,239	230,722	Yes	Yes	Yes	Doctoral or professional degree		res .	Yes	Yes
29-1024 29-1029	Prosthodontists Dentists, All Other Specialists	56,927	246,338	*	Yes	Yes	Yes*	Doctoral or professional degree		'es	Yes	Yes*
		52,536	146,386	198,037	Yes	Yes	Yes	Doctoral or professional degree	l N	No	Yes	Yes

Wages - Workforce Re May 2022	-Bion 25	Annual M	ages (\$) by Occupat	ion	Maga Mag	ets or Exceeds All O	Assumption Motris	1	I Waga M	eets or Exceeds Educa	stional Loyal Motris
Way 2022			Average Annual	High-Level Wage	Representative	Average Annu			Representati		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wag	e Wage	Threshold
									ļ ļ		
29-1031 29-1041	Dietitians and Nutritionists Optometrists	47,694 35,984	64,975 96.209	76,061 135,585	Yes	Yes	Yes	Bachelor's degree	No No	No No	No No
29-1041	Pharmacists	51,667	123,049	137,425	Yes Yes	Yes	Yes Yes	Doctoral or professional degree Doctoral or professional degree	No No	No No	No
29-1071	Physician Assistants	43.667	112,403	135,716	Yes	Yes	Yes	Master's degree	No.	Yes	Yes
29-1081	Podiatrists	30.972	86.052	80.157	No	Yes	Yes	Doctoral or professional degree	No	No	No
29-1122	Occupational Therapists	75,362	92,664	101,668	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	27,997	86,476	104,591	No	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	62,730	85,611	99,091	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1125	Recreational Therapists	30,499	61,106	79,550	No	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	49,616	68,084	74,998	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	63,488	92,366	102,766	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128 29-1129	Exercise Physiologists	38,512	52,351	56,791	Yes	No	No	Master's degree	No	No	No
29-1129	Therapists, All Other	39,108 60,194	61,928 121,172	64,274 144,253	Yes Yes	Yes	No Yes	Bachelor's degree  Doctoral or professional degree	No Yes	No No	No No
29-1141	Registered Nurses	63,070	81,573	84,843	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	144,997	191,400	215,482	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	67,995	86,799	111,560	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1171	Nurse Practitioners	30,855	100,819	127,508	No	Yes	Yes	Master's degree	No	Yes	Yes
29-1181	Audiologists	68,382	101,692	137,271	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1211	Anesthesiologists	174,991	310,063	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1212	Cardiologists	182,907	444,492	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1213	Dermatologists	48,512	127,417	102,009	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1214	Emergency Medicine Physicians	187,759	370,937	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215 29-1216	Family Medicine Physicians  Constal Internal Medicine Physicians	63,483 48,484	223,984	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians Neurologists		225,890 146.547	452.502	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1217	Obstetricians and Gynecologists	48,441 50,276	250,885	152,593	Yes Yes	Yes	Yes Yes*	Doctoral or professional degree  Doctoral or professional degree	No No	Yes Yes	No Yes*
29-1210	Pediatricians, General	126,741	191,580	238,229	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1222	Physicians, Pathologists	66.315	227,055	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1223	Psychiatrists	48.052	225,933	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1224	Radiologists	49,192	241,163	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1229	Physicians, All Other	48,793	211,826	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1241	Ophthalmologists, Except Pediatric	48,760	127,745	102,009	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1242	Orthopedic Surgeons, Except Pediatric	48,714	245,974	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1243	Pediatric Surgeons	70,441	347,253	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1249	Surgeons, All Other	48,925	202,470	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1291	Acupuncturists	40,513	75,447	67,600	Yes	Yes	No	Master's degree	No	No	No
29-1292	Dental Hygienists	58,073	73,792	80,748	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1299 29-2010	Healthcare Diagnosing or Treating Practitioners, All Other	73,050 32,079	133,946 57.194	208,000 73.896	Yes No	Yes No	Yes	Master's degree	Yes	Yes	Yes
29-2010	Clinical Laboratory Technologists and Technicians  Cardiovascular Technologists and Technicians	32,079	55,366	77,719	No	No	Yes Yes	Associate's degree Associate's degree	No No	No No	Yes Yes
29-2032	Diagnostic Medical Sonographers	62,097	74,511	82,966	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	67,907	82,897	91,442	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	46,236	64,616	75,886	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	57,524	72,402	79,051	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2036	Medical Dosimetrists	103,820	138,770	146,837	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2042	Emergency Medical Technicians	29,340	35,787	39,135	No	No	No	Postsecondary nondegree award	No	No	No
29-2043	Paramedics	38,975	53,152	57,048	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
29-2051	Dietetic Technicians	23,957	29,999	30,333	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	30,369	39,767	46,194	No	No	No	Postsecondary nondegree award	No	No	No
29-2053 29-2055	Psychiatric Technicians	27,998 40.055	38,915	46,472 62.977	No	No No	No No	Postsecondary nondegree award	No Yes	No Yes	No Yes
29-2055	Surgical Technologists	40,055	55,348 40.671	47.948	Yes No	No No	No No	Postsecondary nondegree award	Yes No	Yes No	Yes No
29-2056	Veterinary Technologists and Technicians Ophthalmic Medical Technicians	30,717	44,973	47,948	No	No	No	Associate's degree Postsecondary nondegree award	No	No No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	40,180	54,226	59.095	Yes	No	No	Postsecondary nondegree award  Postsecondary nondegree award	Yes	Yes	No
29-2072	Medical Records Specialists	31,176	47,087	56,237	No	No	No	Postsecondary nondegree award	No	No	No
29-2081	Opticians, Dispensing	23,343	47,162	58,240	No	No	No	Postsecondary nondegree award	No	No	No
29-2091	Orthotists and Prosthetists	70,533	92,136	107,244	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-2092	Hearing Aid Specialists	28,006	51,445	52,149	No	No	No	Postsecondary nondegree award	No	No	No
29-2099	Health Technologists and Technicians, All Other	31,396	41,757	44,291	No	No	No	Postsecondary nondegree award	No	No	No
29-9021	Health Information Technologists and Medical Registrars	36,956	66,415	82,309	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	43,820	60,339	66,315	Yes	No	No	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	35,661	84,580	103,173	Yes	Yes	Yes	Master's degree	No	No	Yes
29-9093	Surgical Assistants  Healthcare Practitioners and Technical Workers, All Other	36,201	68,012	85,804	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-9099 31-1120	Healthcare Practitioners and Technical Workers, All Other Home Health and Personal Care Aides	66,545 21,463	67,287 26,805	66,545 29,616	Yes No	Yes No	No No	Postsecondary nondegree award High school diploma or equivalent	Yes No	Yes No	Yes No
31-1120	Nursing Assistants	27,463	34.011	37.584	No	No	No No	Postsecondary nondegree award	No No	No No	No
31-1132	Orderlies	27,516	31,283	32,030	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	29,087	35,264	37,529	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	53,492	65,768	72,841	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	29,944	49,079	68,322	No	No	No	Postsecondary nondegree award	No	No	Yes
31-2021	Physical Therapist Assistants	46,271	66,203	75,970	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	22,112	30,173	31,749	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	28,539	50,585	56,536	No	No	No	Postsecondary nondegree award	No	No	No
31-9091	Dental Assistants	35,764	41,152	45,956	Yes	No	No	Postsecondary nondegree award	Yes	No	No
31-9092	Medical Assistants	31,219	39,153	43,421	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	29,892	38,660 37,233	43,103 45,046	No No	No No	No No	High school diploma or equivalent	No No	No	No No
31-9094	Medical Transcriptionists	28,332						Postsecondary nondegree award		No	

/lay 2022					Maga Mag	to or Evenode All C	Occupation Metric			Maga Monto	or Evenode Educat	tional Level Metric
			ages (\$) by Occupat Average Annual	High-Level Wage	Representative	Average Annu			-	Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	<b>Educational Requirement</b>		Starting Wage	Wage	Threshold
31-9095	Pharmacy Aides	23,911	31,379	37,937	No	No	No	High school diploma or equivalent	1	No	No	No
31-9096 31-9097	Veterinary Assistants and Laboratory Animal Caretakers	29,752	35,548	37,528	No	No	No	High school diploma or equivalent	1 1	No	No	No
31-9097 31-9099	Phlebotomists Healthcare Support Workers, All Other	31,085 28,471	37,906 43,560	40,572 52.114	No No	No No	No No	Postsecondary nondegree award High school diploma or equivalent		No No	No No	No No
33-1011	First-Line Support Workers, All Other	44.595	68,100	55,016	Yes	Yes	No			Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	73.871	132.334	170.880	Yes	Yes	Yes	Some college, no degree Bachelor's degree	1 1	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	80,288	127,596	171,327	Yes	Yes	Yes	Associate's degree	1 1	Yes	Yes	Yes
33-1091	First-Line Supervisors of Security Workers	30,551	51,220	61.077	No	No	No	Bachelor's degree	1 1	No	No	No
33-1099	First-Line Supervisors of Protective Service Workers, All Other	46,242	67,000	71,600	Yes	Yes	Yes	Some college, no degree	1 1	Yes	Yes	Yes
33-2011	Firefighters	46,816	85,357	110,924	Yes	Yes	Yes	Postsecondary nondegree award	1 1	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	99,531	129,795	143,923	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	60,319	99,192	111,980	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
33-3011	Bailiffs	65,215	77,161	90,536	Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	41,246	70,501	94,231	Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	51,896	108,177	146,619	Yes	Yes	Yes	Some college, no degree	1	Yes	Yes	Yes
33-3031	Fish and Game Wardens	29,304	31,774	31,959	No	No	No	Bachelor's degree	1	No	No	No
33-3041	Parking Enforcement Workers	37,270	42,186	42,136	Yes	No	No	High school diploma or equivalent	1	Yes	No	No
33-3051	Police and Sheriff's Patrol Officers	57,621	101,323	124,126	Yes	Yes	Yes	Associate's degree	1 1	Yes	Yes	Yes
33-3052 33-9011	Transit and Railroad Police Animal Control Workers	64,719	80,411	65,998	Yes	Yes	No	Associate's degree		Yes	Yes	No
33-9011		26,085	62,991	75,590	No	Yes	Yes	Postsecondary nondegree award	+	No	Yes	Yes
33-9021 33-9031	Private Detectives and Investigators  Gambling Surveillance Officers and Gambling Investigators	34,027 29.075	69,777 35.675	86,948 38,624	No No	Yes No	Yes No	Bachelor's degree	+	No No	No No	No No
33-9031	Security Guards	29,075	35,675	38,624 35.663	No No	No No	No No	High school diploma or equivalent	+	No No	No No	No No
33-9032	Crossing Guards and Flaggers	22,727	35,028	35,663 32,946	No No	No No	No No	High school diploma or equivalent  No formal educational credential	+	No No	No No	No No
33-9091	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	21,848	36,678	32,946 45,678	No No	No No	No No	No formal educational credential  No formal educational credential	+	Yes	Yes	Yes
33-9093	Transportation Security Screeners	38.605	46.640	50,648	Yes	No No	No No	High school diploma or equivalent	1 1	Yes	No.	No Yes
33-9094	School Bus Monitors	24.776	28.637	31,446	No	No	No	High school diploma or equivalent	1 1	No	No	No
33-9099	Protective Service Workers, All Other	24,505	45.490	57,757	No	No	No	High school diploma or equivalent	+ +	No	No	No
35-1011	Chefs and Head Cooks	29,954	59,046	75,485	No	No	Yes	Associate's degree		No	No	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	27,922	44,052	54,040	No	No	No	High school diploma or equivalent	1 1	No	No	No
35-2011	Cooks, Fast Food	22,002	27.619	29,667	No	No	No	No formal educational credential	1 1	No	No	No
35-2012	Cooks, Institution and Cafeteria	26,364	33,239	36,298	No	No	No	No formal educational credential	1 1	Yes	Yes	Yes
35-2013	Cooks, Private Household	35,058	63,787	78,601	Yes	Yes	Yes	Postsecondary nondegree award	1 1	Yes	Yes	Yes
35-2014	Cooks, Restaurant	28,660	35,042	37,707	No	No	No	High school diploma or equivalent	1 1	No	No	No
35-2015	Cooks, Short Order	22,325	28,448	34,154	No	No	No	No formal educational credential	1 1	No	No	No
35-2019	Cooks, All Other	28,313	35,000	35,324	No	No	No	No formal educational credential		Yes	Yes	No
35-2021	Food Preparation Workers	23,667	31,452	35,073	No	No	No	No formal educational credential		No	No	No
35-3011	Bartenders	21,407	33,907	37,816	No	No	No	No formal educational credential		No	Yes	Yes
35-3023	Fast Food and Counter Workers	21,801	26,980	28,860	No	No	No	No formal educational credential		No	No	No
35-3031	Waiters and Waitresses	21,353	33,684	36,091	No	No	No	No formal educational credential		No	Yes	Yes
35-3041	Food Servers, Nonrestaurant	23,143	29,256	32,883	No	No	No	No formal educational credential		No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	21,636	28,340	30,649	No	No	No	No formal educational credential		No	No	No
35-9021	Dishwashers	22,342	27,126	29,355	No	No	No	No formal educational credential	1	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	21,750	30,307	33,228	No	No	No	No formal educational credential		No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	24,573	30,015	31,958	No	No	No	No formal educational credential	1	Yes	No	No
37-1011 37-1012	First-Line Supervisors of Housekeeping and Janitorial Workers	29,768 35,502	45,020 54,756	52,302 65,295	No	No No	No No	High school diploma or equivalent	+	No	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	35,502 22,849	29,462	33,069	Yes No	No No	No No	Some college, no degree	+	Yes No	Yes No	Yes No
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners  Maids and Housekeeping Cleaners	23,566	29,462	31,148	No	No	No	High school diploma or equivalent	+ +	No	No	No
37-2019	Building Cleaning Workers, All Other	26,486	32,966	35,979	No	No	No	No formal educational credential  No formal educational credential	+ +	Yes	No	Yes
37-2021	Pest Control Workers	33,206	43,304	47.688	No	No	No	High school diploma or equivalent	1 1	Yes	No	No
37-3011	Landscaping and Groundskeeping Workers	28,483	35,566	38,382	No	No	No	No formal educational credential	+ +	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	29,723	43,477	49,518	No	No	No	High school diploma or equivalent	+ +	No	No	No
37-3013	Tree Trimmers and Pruners	25,339	43,654	51,025	No	No	No	High school diploma or equivalent		No	No	No
37-3019	Grounds Maintenance Workers, All Other	36,671	41,205	38,549	Yes	No	No	No formal educational credential	1 1	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	30,739	55,373	66,082	No	No	No	Some college, no degree		Yes	Yes	Yes
	First-Line Supervisors of Entertainment and Recreation Workers, Except	·							1 1			
39-1014	Gambling Services	31,508	55,502	62,272	No	No	No	Some college, no degree		Yes	Yes	Yes
39-1022	First-Line Supervisors of Personal Service Workers	29,856	49,422	56,167	No	No	No	Some college, no degree		Yes	Yes	Yes
39-2011	Animal Trainers	28,963	37,291	36,278	No	No	No	High school diploma or equivalent		No	No	No
39-2021	Animal Caretakers	23,681	38,705	39,608	No	No	No	High school diploma or equivalent		No	No	No
39-3011	Gambling Dealers	21,276	37,177	48,967	No	No	No	High school diploma or equivalent		No	No	No
39-3012	Gambling and Sports Book Writers and Runners	22,512	26,535	28,232	No	No	No	High school diploma or equivalent		No	No	No
39-3019	Gambling Service Workers, All Other	22,541	35,101	40,813	No	No	No	High school diploma or equivalent		No	No	No
39-3021	Motion Picture Projectionists	34,484	41,679	46,600	No	No	No	No formal educational credential	$\perp$	Yes	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	21,792	27,974	28,578	No	No	No	No formal educational credential	1 1	No	No	No
39-3091	Amusement and Recreation Attendants	21,867	28,767	30,262	No	No	No	No formal educational credential		No	No	No
39-3092	Costume Attendants	28,025	45,017	52,387	No	No	No	High school diploma or equivalent		No	No	No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	22,622	30,563	33,272	No	No	No	High school diploma or equivalent		No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	24,828	34,122	34,106	No	No	No	High school diploma or equivalent	1 1	No	No	No
39-4011 39-4012	Embalmers	32,267	47,591 42,926	52,312 51.303	No No	No	No	Associate's degree	1 1	No	No	No
	Crematory Operators	33,682	,	0-,000		No	No No	High school diploma or equivalent	+	Yes	No	No
39-4021	Funeral Attendants	25,048	30,836	34,346	No	No	No	High school diploma or equivalent	1 1	No	No	No
39-4031 39-5011	Morticians, Undertakers, and Funeral Arrangers	37,583	60,157	70,019	Yes	No	No	Associate's degree		No	Yes	Yes
39-5011 39-5012	Barbers Hairdressers Hairstylists and Cosmotologists	23,668	36,608	40,412	No	No	No No	Postsecondary nondegree award		No	No	No No
39-5012 39-5091	Hairdressers, Hairstylists, and Cosmetologists  Makeup Artists, Theatrical and Performance	20,851 21,125	30,419 96,644	30,706 107.975	No No	No Yes	No Yes	Postsecondary nondegree award	1 1	No No	No Yes	No Yes
39-5092	Manicurists and Pedicurists	21,125	34,383	34,279	No No	Yes No	Yes No	Postsecondary nondegree award	1 1	No	Yes No	Yes No
33-3032	Maniculiata dilu Fediculiata	22,313	34,383	34,279	NO	INU	INU	Postsecondary nondegree award		IVU	INU	INU

Wages - Workforce Re	egion 23		( (6) b 0	e I	1 14/ 14	4 F d- All (	Daniel Mantain				F d- F-d	Name I I ame I Bankela
May 2022			ages (\$) by Occupat Average Annual	High-Level Wage	Representative	Average Annu	Occupation Metric ual High-Level Wage			vage ivieets c esentative	Average Annua	tional Level Metric  I High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		ng Wage	Wage	Threshold
	,		-					·			•	
39-5093	Shampooers	22,541	26,594	28,697	No	No	No	High school diploma or equivalent	No		No	No
39-5094	Skincare Specialists	21,285	38,747	43,772	No	No	No	Postsecondary nondegree award	No		No	No
39-6011	Baggage Porters and Bellhops	21,838	30,787	36,603	No	No	No	High school diploma or equivalent	No		No	No
39-6012	Concierges	28,842	37,691	41,590	No	No	No	High school diploma or equivalent	No		No	No
39-7010 39-9011	Tour and Travel Guides Childcare Workers	25,964	38,106	43,649 32,277	No	No	No	High school diploma or equivalent	No		No	No
39-9011	Exercise Trainers and Group Fitness Instructors	21,441 20,800	30,210 43,057	50,199	No No	No No	No No	High school diploma or equivalent	No No		No No	No No
39-9032	Recreation Workers	20,800	36.328	37,486	No	No No	No	Postsecondary nondegree award Bachelor's degree	No No		No	No No
39-9041	Residential Advisors	24,960	37,548	43,144	No	No	No	Some college, no degree	No		No	No
39-9099	Personal Care and Service Workers, All Other	20,800	28.687	31.472	No.	No	No	High school diploma or equivalent	No		No	No
41-1011	First-Line Supervisors of Retail Sales Workers	29,687	53,011	61,150	No	No	No	Some college, no degree	Yes		Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	44.041	94,513	108.094	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
41-2011	Cashiers	22,082	27,139	28,737	No	No	No	No formal educational credential	No		No	No
41-2012	Gambling Change Persons and Booth Cashiers	20,800	27,753	31,592	No	No	No	No formal educational credential	No		No	No
41-2021	Counter and Rental Clerks	25,621	37,490	40,121	No	No	No	No formal educational credential	Yes		Yes	Yes
41-2022	Parts Salespersons	23,374	38,803	45,490	No	No	No	High school diploma or equivalent	No		No	No
41-2031	Retail Salespersons	22,685	33,873	35,583	No	No	No	High school diploma or equivalent	No		No	No
41-3011	Advertising Sales Agents	33,972	67,928	74,469	No	Yes	Yes	Some college, no degree	Yes		Yes	Yes
41-3021	Insurance Sales Agents	29,173	62,813	60,330	No	Yes	No	Postsecondary nondegree award	No		Yes	No
41-3031	Securities, Commodities, and Financial Services Sales Agents	40,033	91,011	99,247	Yes	Yes	Yes	Bachelor's degree	No		No	No
41-3041	Travel Agents	28,306	46,359	55,837	No	No	No	Some college, no degree	Yes		Yes	Yes
44 2004	Sales Representatives of Services, Except Advertising, Insurance, Financial	24.500	50 OF :	05.455	1				l I			
41-3091	Services, and Travel	31,698	69,854	85,493	No	Yes	Yes	Bachelor's degree	No		No	No
41 4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific	20.254	100 051	120 556	V	V	V	Deskalada dansa	l I		V	V
41-4011	Products  Sales Representatives, Wholesale and Manufacturing, Except Technical and	38,361	108,354	130,550	Yes	Yes	Yes	Bachelor's degree	No		Yes	Yes
41-4012	Scientific Products	31.200	71.565	81,243	No	Yes	Yes	Some callege, no degree	Yes		Yes	Yes
41-4012		31,200 21.410	71,565 49.467	81,243 80.130	No No	Yes No		Some college, no degree  No formal educational credential	Yes No			Yes
41-9011	Demonstrators and Product Promoters  Models	23,820	35,416	38,082	No No	No No	Yes No	High school diploma or equivalent	No		Yes No	No No
41-9012	Real Estate Brokers	34,800	116,468	133,960	Yes	Yes	Yes		Yes		Yes	Yes
41-9022	Real Estate Sales Agents	34,800 25.698	54.489	63.440	No.	No.	No.	Postsecondary nondegree award	No.		Yes	Yes
41-9031	Sales Engineers	45.164	134.669	165.753	Yes	Yes	Yes	Postsecondary nondegree award Bachelor's degree	No		Yes	Yes
41-9041	Telemarketers	22.561	40.660	49.272	No.	No.	No.	High school diploma or equivalent	No		No	No.
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	23,365	38.450	54,099	No	No	No	High school diploma or equivalent	No		No	No
41-9099	Sales and Related Workers, All Other	22,287	36,966	42,560	No	No	No	Some college, no degree	No		No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	38.298	66,768	78.000	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	26,376	31,410	34,911	No	No	No	High school diploma or equivalent	No		No	No
43-2021	Telephone Operators	28,801	33.084	33,299	No	No	No	High school diploma or equivalent	No		No	No
43-2099	Communications Equipment Operators, All Other	25,175	53,308	62,519	No	No	No	High school diploma or equivalent	No		Yes	Yes
43-3011	Bill and Account Collectors	33,276	47.858	48,683	No	No	No	High school diploma or equivalent	Yes		No	No
43-3021	Billing and Posting Clerks	31,103	43,883	48,684	No	No	No	High school diploma or equivalent	Yes		No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	29,337	46,119	52,157	No	No	No	Some college, no degree	Yes		Yes	Yes
43-3041	Gambling Cage Workers	25,880	30,119	30,025	No	No	No	High school diploma or equivalent	No		No	No
43-3051	Payroll and Timekeeping Clerks	37,099	51,271	57,053	Yes	No	No	Some college, no degree	Yes		Yes	Yes
43-3061	Procurement Clerks	30,842	53,357	50,090	No	No	No	Associate's degree	No		No	No
43-3071	Tellers	31,655	38,255	41,282	No	No	No	High school diploma or equivalent	Yes		No	No
43-3099	Financial Clerks, All Other	37,855	67,595	81,451	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-4011	Brokerage Clerks	37,153	64,513	72,067	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-4021	Correspondence Clerks	36,239	40,477	43,999	Yes	No	No	High school diploma or equivalent	Yes		No	No
43-4031	Court, Municipal, and License Clerks	36,694	58,312	73,998	Yes	No	Yes	Some college, no degree	Yes		Yes	Yes
43-4041	Credit Authorizers, Checkers, and Clerks	28,868	37,976	41,618	No	No	No	Some college, no degree	Yes		No	No
43-4051	Customer Service Representatives	28,149	40,247	45,167	No	No	No	High school diploma or equivalent	No		No	No
43-4061	Eligibility Interviewers, Government Programs	27,997	34,721	34,840	No	No	No	High school diploma or equivalent	No		No	No
43-4071	File Clerks	21,227	41,146	45,894	No	No	No	High school diploma or equivalent	No		No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	23,902	31,437	34,488	No	No	No	High school diploma or equivalent	No		No	No
43-4111	Interviewers, Except Eligibility and Loan	28,870	38,644	43,843	No	No	No No	High school diploma or equivalent	No No		No	No No
43-4121 43-4131	Library Assistants, Clerical	23,941	32,914	36,085	No No	No	No No	Some college, no degree	No		No	No
	Loan Interviewers and Clerks	30,975	48,316	59,238	No	No	No No	High school diploma or equivalent	Yes		No	Yes
43-4141 43-4151	New Accounts Clerks	38,629 27,596	46,100 36,243	48,018 40,402	Yes	No	No	High school diploma or equivalent	Yes		No	No No
43-4151	Order Clerks  Human Resources Assistants, Except Payroll and Timekeeping	27,596	36,243 44.860	40,402 52.199	No No	No	No	High school diploma or equivalent	No		No	
43-4161	Receptionists and Information Clerks	29,987 25,473	44,860 33,597	52,199 36,931	No No	No No	No No	Associate's degree High school diploma or equivalent	No No		No No	No No
43-4171	Reservation and Transportation Ticket Agents and Travel Clerks	25,473	41.846	49.831	No No	No No	No No	High school diploma or equivalent	No No		No	No No
43-4199	Information and Record Clerks, All Other	30.418	41,846	49,831	No	No No	No	High school diploma or equivalent	No No		No	No No
43-5011	Cargo and Freight Agents	31,651	49,859	58.895	No	No	No	High school diploma or equivalent	Yes		No	Yes
43-5021	Couriers and Messengers	24,690	33,764	35,755	No	No	No	High school diploma or equivalent	No		No	No
43-5031	Public Safety Telecommunicators	37,491	70,878	83,531	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5032	Dispatchers, Except Police, Fire, and Ambulance	28,562	44,346	50,253	No	No	No	High school diploma or equivalent	No		No	No
43-5041	Meter Readers, Utilities	35,219	58,724	77,802	Yes	No	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5051	Postal Service Clerks	39,770	57,659	68,307	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
43-5052	Postal Service Mail Carriers	39,354	56,092	71,344	Yes	No	Yes	High school diploma or equivalent	Yes		Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	38,584	51,132	67,163	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	31,319	51,401	62,780	No	No	No	Some college, no degree	Yes		Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	27,402	38,072	44,238	No	No	No	High school diploma or equivalent	No		No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	25,740	36,877	40,121	No	No	No	High school diploma or equivalent	No		No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	38,305	67,395	78,531	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	30,474	53,437	63,064	No	No	No	Some college, no degree	Yes		Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	29,953	38,583	44,575	No	No	No	Some college, no degree	Yes		No	No
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Wages - Workforce Re	egion 25	Annual IA	lagas (É) by Ossupat	ion	Waga Maat	or Evenade All O	counction Matric			Wago Monte	or Evenade Educatio	anal Loyal Matric
May 2022			/ages (\$) by Occupat Average Annual	ion High-Level Wage	Representative	Average Annua	ccupation Metric		-	Representative	or Exceeds Education Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	28,655	44,469	49,308	No	No	No	High school diploma or equivalent	Ш	No	No	No
43-9021 43-9022	Data Entry Keyers	24,883 28.995	36,069 45.866	39,512 51.650	No No	No No	No No	High school diploma or equivalent	Ш	No No	No No	No No
43-9022	Word Processors and Typists Desktop Publishers	28,995 35.474	60.137	78.196	Yes	No.	Yes	High school diploma or equivalent Associate's degree	Н	No	Yes	Yes
43-9041	Insurance Claims and Policy Processing Clerks	27.649	45.450	49.547	No	No	No	High school diploma or equivalent	H	No	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	26,738	36,791	41,187	No	No	No	High school diploma or equivalent		No	No	No
43-9061	Office Clerks, General	24,822	41,602	48,496	No	No	No	High school diploma or equivalent		No	No	No
43-9071	Office Machine Operators, Except Computer	24,983	36,728	40,535	No	No	No	High school diploma or equivalent		No	No	No
43-9081	Proofreaders and Copy Markers	30,561	37,778	39,566	No	No	No	Bachelor's degree	Ш	No	No	No
43-9111 43-9199	Statistical Assistants Office and Administrative Support Workers, All Other	34,424 30.073	48,752 42,284	61,747 47,727	No No	No No	No No	Bachelor's degree	H	No Yes	No No	No No
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	28,002	53,887	72,617	No	No	Yes	Some college, no degree  High school diploma or equivalent		No	Yes	Yes
45-2011	Agricultural Inspectors	28,011	37,573	41,672	No	No	No	Bachelor's degree	H	No	No	No
45-2021	Animal Breeders	29,314	40,368	42,698	No	No	No	High school diploma or equivalent		No	No	No
45-2041	Graders and Sorters, Agricultural Products	21,406	27,059	29,641	No	No	No	No formal educational credential		No	No	No
45-2091	Agricultural Equipment Operators	28,037	45,747	63,605	No	No	No	No formal educational credential	Ш	Yes	Yes	Yes
45-2092 45-2093	Farmworkers and Laborers, Crop, Nursery, and Greenhouse Farmworkers, Farm, Ranch, and Aquacultural Animals	23,251 29.011	28,539 38,970	29,733 46,643	No No	No	No No	No formal educational credential	Н	No	No	No
45-2093	Agricultural Workers, All Other	29,011	38,970	45,543 45,342	No No	No No	No No	No formal educational credential  No formal educational credential	H	Yes No	Yes Yes	Yes Yes
45-3031	Fishing and Hunting Workers	21,443	38,970	46,643	No.	No.	No	No formal educational credential	H	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	35,470	45,798	54,034	Yes	No	No	Postsecondary nondegree award		Yes	No	No
45-4021	Fallers	42,427	50,403	57,003	Yes	No	No	High school diploma or equivalent		Yes	No	No
45-4022	Logging Equipment Operators	30,962	44,519	52,636	No	No	No	High school diploma or equivalent		Yes	No	No
45-4023	Log Graders and Scalers	24,188	28,512	29,661	No	No	No	High school diploma or equivalent		No	No	No
45-4029 47-1011	Logging Workers, All Other								H			
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers  Boilermakers	44,743 22,541	73,004 50,772	81,336 61,771	Yes No	Yes	Yes No	Some college, no degree High school diploma or equivalent	Н	Yes	Yes	Yes Yes
47-2011	Brickmasons and Blockmasons	22,541	44,576	49.460	No	No	No	High school diploma or equivalent	H	No	No	No
47-2022	Stonemasons	31,590	50.371	62,541	No	No	No	High school diploma or equivalent		Yes	No	Yes
47-2031	Carpenters	36,786	48.756	54,769	Yes	No	No	Postsecondary nondegree award	H	Yes	No	No
47-2041	Carpet Installers	22,541	36,835	40,379	No	No	No	No formal educational credential		No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	36,586	49,157	55,443	Yes	No	No	No formal educational credential		Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	26,323	42,644	53,113	No	No	No	No formal educational credential	L Į	Yes	Yes	Yes
47-2044	Tile and Stone Setters	38,489	53,446	57,735	Yes	No	No	No formal educational credential	Ш	Yes	Yes	Yes
47-2051 47-2053	Cement Masons and Concrete Finishers Terrazzo Workers and Finishers	33,997 38.071	44,984 56,288	48,362 62.617	No Yes	No No	No No	No formal educational credential	H	Yes	Yes	Yes Yes
47-2053	Construction Laborers	24,136	38,843	43,506	No No	No	No	High school diploma or equivalent  No formal educational credential	H	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	30.089	40.813	44,536	No	No	No	High school diploma or equivalent		No	No	No
47-2072	Pile Driver Operators	39,551	61,798	58,190	Yes	Yes	No	High school diploma or equivalent		Yes	Yes	No
47-2073	Operating Engineers and Other Construction Equipment Operators	37,166	99,196	131,917	Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
47-2081	Drywall and Ceiling Tile Installers	29,895	40,602	49,400	No	No	No	No formal educational credential		Yes	Yes	Yes
47-2082	Tapers	30,994	45,483	51,054	No	No	No	No formal educational credential	H	Yes	Yes	Yes
47-2111 47-2121	Electricians Glaziers	37,650 24,253	53,811 40,810	60,451 46,298	Yes No	No No	No No	Postsecondary nondegree award	H	Yes No	Yes No	No No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	31,731	47,131	52,365	No	No	No	High school diploma or equivalent High school diploma or equivalent		Yes	No	No
47-2132	Insulation Workers, Mechanical	38,148	52,657	60,336	Yes	No	No	High school diploma or equivalent		Yes	Yes	Yes
47-2141	Painters, Construction and Maintenance	30,323	40,898	44,548	No	No	No	No formal educational credential	ΙÍ	Yes	Yes	Yes
47-2142	Paperhangers	32,132	40,076	48,258	No	No	No	No formal educational credential		Yes	Yes	Yes
47-2151	Pipelayers	35,246	44,527	47,505	Yes	No	No	No formal educational credential	L Į	Yes	Yes	Yes
47-2152 47-2161	Plumbers, Pipefitters, and Steamfitters	36,350	52,194	60,320	Yes	No	No	Postsecondary nondegree award	H	Yes	No	No
47-2161	Plasterers and Stucco Masons Reinforcing Iron and Rebar Workers	26,904 38.820	42,488 52.965	48,573 61.584	No Yes	No No	No No	No formal educational credential  High school diploma or equivalent	H	Yes	Yes Yes	Yes Yes
47-2171	Roofers	38,820 28.551	52,965 44.903	49.963	No.	No No	No No	No formal educational credential	H	Yes	Yes	Yes
47-2211	Sheet Metal Workers	35,813	53,935	59,668	Yes	No	No	High school diploma or equivalent		Yes	Yes	Yes
47-2221	Structural Iron and Steel Workers	37,019	51,124	56,500	Yes	No	No	High school diploma or equivalent		Yes	Yes	No
47-2231	Solar Photovoltaic Installers	38,504	47,109	50,728	Yes	No	No	High school diploma or equivalent		Yes	No	No
47-3011	HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	20,800	35,088	39,293	No	No	No	No formal educational credential		No	Yes	Yes
47-3012	HelpersCarpenters	29,842	37,423	40,232	No	No	No	No formal educational credential	L Į	Yes	Yes	Yes
47-3013	HelpersElectricians	29,899	37,570	38,520	No	No	No	High school diploma or equivalent	H	No	No	No
47-3014 47-3015	HelpersPainters, Paperhangers, Plasterers, and Stucco Masons HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters	28,892 30.424	34,083 38,894	35,687 42,397	No No	No No	No No	No formal educational credential High school diploma or equivalent	$\vdash$	Yes No	Yes No	Yes No
47-3015	HelpersRoofers	30,424	38,894	42,397 41.755	No No	No No	No No	No formal educational credential		Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	26,688	39,561	45,016	No	No	No	No formal educational credential	1 1	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	46,800	71,147	81,425	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	60,060	94,501	109,869	Yes	Yes	Yes	Postsecondary nondegree award	L İ	Yes	Yes	Yes
47-4031	Fence Erectors	30,320	39,854	47,320	No	No	No	No formal educational credential		Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	30,852	42,584	49,084	No	No	No	High school diploma or equivalent	H	Yes	No	No
47-4051 47-4061	Highway Maintenance Workers Rail-Track Laying and Maintenance Equipment Operators	25,188	34,961	39,078	No	No	No No	High school diploma or equivalent		No	No	No
47-4061	Septic Tank Servicers and Sewer Pipe Cleaners	48,843 35,441	59,431 53,983	67,472 62,459	Yes Yes	No No	No No	High school diploma or equivalent High school diploma or equivalent		Yes	Yes Yes	Yes Yes
47-4091	Miscellaneous Construction and Related Workers	35,441	46.108	47.607	Yes	No	No No	High school diploma or equivalent		Yes	No No	No Yes
47-5011	Derrick Operators, Oil and Gas	37,074	53,611	66,258	Yes	No	No	No formal educational credential	1 1	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	44,367	58,510	61,143	Yes	No	No	No formal educational credential	1 1	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	40,455	58,845	67,667	Yes	No	No	No formal educational credential		Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	34,449	47,442	49,598	No	No	No	High school diploma or equivalent		Yes	No	No
47-5023	Earth Drillers, Except Oil and Gas	40,780	49,447	51,362	Yes	No	No	High school diploma or equivalent		Yes	No	No
47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters Continuous Mining Machine Operators	57,610 29,759	76,803 43,619	88,517 48,258	Yes	Yes	Yes	High school diploma or equivalent	H	Yes	Yes	Yes
47-5041					No	No	No	No formal educational credential		Yes	Yes	Yes

Лау 2022	egion 23	Annual W	/ages (\$) by Occupat	ion		Wage Meet	s or Exceeds All O	ccupation Metric			Wage Meets	or Exceeds Education	onal Level Metric
,			Average Annual	High-Level Wage	1	Representative	Average Annua				Representative	Average Annual	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)		Starting Wage	Wage	Threshold	<b>Educational Requirement</b>		Starting Wage	Wage	Threshold
47-5043	Roof Bolters, Mining	29,759	43,619	48,258		No	No	No	High school diploma or equivalent		No	No	No
47-5044	Loading and Moving Machine Operators, Underground Mining	38,851	43,988	48,778		Yes	No	No	No formal educational credential		Yes	Yes	Yes
47-5049 47-5051	Underground Mining Machine Operators, All Other	38,851 39,989	43,988 72,544	48,778 96,764		Yes	No	No Yes	No formal educational credential  No formal educational credential		Yes	Yes	Yes Yes
47-5051	Rock Splitters, Quarry Roustabouts, Oil and Gas	39,989	72,544 53.611	66.258		Yes	Yes No	No Tes	No formal educational credential		Yes	Yes	Yes
47-5071	HelpersExtraction Workers	31,850	38,060	41,755		No	No	No	High school diploma or equivalent		Yes	No	No
47-5099	Extraction Workers, All Other	30.127	48.583	47,488		No	No	No	High school diploma or equivalent		No	No	No
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	44,416	71,888	84,000		Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	22,766	39,423	46,988		No	No	No	Postsecondary nondegree award		No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	36,545	58,597	77,641		Yes	No	Yes	Associate's degree	l í	No	No	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	25,047	55,470	74,651		No	No	Yes	Postsecondary nondegree award		No	Yes	Yes
49-2091	Avionics Technicians	32,280	66,856	78,482		No	Yes	Yes	Associate's degree		No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	30,787	45,226	50,064		No	No	No	High school diploma or equivalent		Yes	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	40,077	48,985	49,492		Yes	No	No	Postsecondary nondegree award		Yes	No	No
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	39,528	56,556	68,166		Yes	No	No	Postsecondary nondegree award		Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	39,993	76,033	100,673		Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	35,990	48,073	52,647	_	Yes	No	No	Postsecondary nondegree award		Yes	No	No
49-2097 49-2098	Audiovisual Equipment Installers and Repairers	39,160	48,656	52,396	-	Yes	No	No	Postsecondary nondegree award		Yes	No	No
49-2098	Security and Fire Alarm Systems Installers Aircraft Mechanics and Service Technicians	32,208 39,493	47,419	57,627 81,286	-	No	No	No	Postsecondary nondegree award		No	No	No
49-3021		39,493	72,151 57,203	81,286 62,640		Yes No	Yes No	Yes No	Associate's degree		No No	Yes	Yes Yes
49-3021	Automotive Body and Related Repairers Automotive Glass Installers and Repairers	30,698	46,408	57,769		No No	No No	No No	Postsecondary nondegree award  High school diploma or equivalent		Yes	Yes No	Yes No
49-3022	Automotive Glass Installers and Repairers Automotive Service Technicians and Mechanics	28,855	49,532	60,946		No	No No	No No	High school diploma or equivalent		No	No No	No No
49-3023	Bus and Truck Mechanics and Diesel Engine Specialists	28,855 37,105	49,532 58.803	60,946 72.247		No Yes	No No	No Yes	Postsecondary nondegree award Postsecondary nondegree award		Yes	No Yes	No Yes
49-3031	Farm Equipment Mechanics and Service Technicians	37,105	58,803	72,247 62.541	$\vdash$	Yes No	No No	Yes No	High school diploma or equivalent		Yes	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	37,432	63,590	76,032		Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
49-3043	Rail Car Repairers	40.585	58.271	64,795		Yes	No	No	High school diploma or equivalent		Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	34,679	54,480	62,987		No	No	No	Postsecondary nondegree award		No	Yes	Yes
49-3052	Motorcycle Mechanics	24,680	46.258	59,553		No	No	No	High school diploma or equivalent		No	No	Yes
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	28,608	43,469	49,561		No	No	No	High school diploma or equivalent		No	No	No
49-3091	Bicycle Repairers	30,714	39.710	44.085		No	No	No	High school diploma or equivalent		Yes	No	No
49-3092	Recreational Vehicle Service Technicians	33.140	52,690	66.442		No	No	No	High school diploma or equivalent		Yes	Yes	Yes
49-3093	Tire Repairers and Changers	23,110	33,828	37,261		No	No	No	High school diploma or equivalent		No	No	No
49-9011	Mechanical Door Repairers	33,812	49,894	58,910		No	No	No	High school diploma or equivalent		Yes	No	Yes
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	40,839	77,327	100,730		Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	32,085	51,320	60,032		No	No	No	Postsecondary nondegree award	i i	No	No	No
49-9031	Home Appliance Repairers	28,595	45,023	51,526		No	No	No	Postsecondary nondegree award		No	No	No
49-9041	Industrial Machinery Mechanics	30,602	56,742	64,495		No	No	No	Postsecondary nondegree award		No	Yes	Yes
49-9043	Maintenance Workers, Machinery	28,416	57,975	67,761		No	No	No	High school diploma or equivalent		No	Yes	Yes
49-9044	Millwrights	44,248	60,634	71,579		Yes	No	Yes	Postsecondary nondegree award		Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	28,350	37,572	41,311		No	No	No	High school diploma or equivalent		No	No	No
49-9051	Electrical Power-Line Installers and Repairers	39,626	75,399	95,772		Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	37,865	55,599	62,489		Yes	No	No	Postsecondary nondegree award		Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	43,619	57,968	64,665		Yes	No	No	Associate's degree		Yes	No	No
49-9062	Medical Equipment Repairers	35,483	56,187	76,613		Yes	No	Yes	Associate's degree		No	No	Yes
49-9063	Musical Instrument Repairers and Tuners	30,918	45,516	55,844		No	No	No	High school diploma or equivalent		Yes	No	No
49-9064	Watch and Clock Repairers	24,775	28,864	28,754		No	No	No	High school diploma or equivalent		No	No	No
49-9069	Precision Instrument and Equipment Repairers, All Other	45,893	58,350	63,082	_	Yes	No	No	High school diploma or equivalent		Yes	Yes	Yes
49-9071 49-9081	Maintenance and Repair Workers, General	27,654	42,858	47,735	-	No	No	No	High school diploma or equivalent		No	No	No
49-9081	Wind Turbine Service Technicians Coin, Vending, and Amusement Machine Servicers and Repairers	52,343	73,822 41.680	85,581 48.727	-	Yes	Yes	Yes No	Associate's degree		Yes	Yes	Yes
49-9091	Commercial Divers	27,028 40.586	41,680 52.518	48,727 56.978	-		No No	No No	High school diploma or equivalent		No Yes	No No	No No
49-9094	Locksmiths and Safe Repairers	31.368	46.897	50,978	-	Yes	No	No No	Postsecondary nondegree award		Yes	No	Yes
49-9094	Manufactured Building and Mobile Home Installers	23.690	33.497	42.384	$\vdash$	No	No	No	High school diploma or equivalent High school diploma or equivalent		No.	No	No
49-9096	Riggers	33,645	51,869	61.680		No	No	No	High school diploma or equivalent		Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	51.227	68.642	77,507		Yes	Yes	Yes	High school diploma or equivalent		Yes	Yes	Yes
49-9098	HelpersInstallation, Maintenance, and Repair Workers	28,863	35,468	38,224		No	No	No	High school diploma or equivalent		No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	29,553	43.053	48,430		No	No	No	High school diploma or equivalent		No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	37,945	64,848	78,820		Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	30,004	48,258	50,118		No	No	No	Postsecondary nondegree award		No	No	No
51-2021	Coil Winders, Tapers, and Finishers	36,023	49,330	52,560		Yes	No	No	High school diploma or equivalent		Yes	No	No
	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders,	,	,	,0			-	·					
51-2028	Tapers, and Finishers	26,754	39,061	44,281		No	No	No	High school diploma or equivalent	1	No	No	No
51-2031	Engine and Other Machine Assemblers	26,894	40,328	43,739		No	No	No	High school diploma or equivalent		No	No	No
51-2041	Structural Metal Fabricators and Fitters	29,960	44,100	49,817		No	No	No	High school diploma or equivalent		No	No	No
51-2051	Fiberglass Laminators and Fabricators	30,318	37,422	39,731		No	No	No	High school diploma or equivalent		No	No	No
51-2061	Timing Device Assemblers and Adjusters	27,082	36,955	42,178		No	No	No	High school diploma or equivalent		No	No	No
51-2090	Miscellaneous Assemblers and Fabricators	24,322	35,019	38,089		No	No	No	High school diploma or equivalent		No	No	No
51-3011	Bakers	24,070	32,744	37,213		No	No	No	High school diploma or equivalent		No	No	No
51-3021	Butchers and Meat Cutters	27,490	39,430	45,415		No	No	No	No formal educational credential		Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	25,389	36,747	40,618		No	No	No	No formal educational credential		Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	27,664	29,515	31,322		No	No	No	No formal educational credential		Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	26,703	41,274	39,560		No	No	No	No formal educational credential		Yes	Yes	Yes
51-3092	Food Batchmakers	22,187	32,335	33,875		No	No	No	High school diploma or equivalent		No	No	No
51-3093	Food Cooking Machine Operators and Tenders	27,212	34,700	38,428		No	No	No	High school diploma or equivalent		No	No	No
51-3099	Food Processing Workers, All Other	24,024	32,317	37,197		No	No	No	No formal educational credential		Yes	No	Yes
	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and									1 1			
51-4021	Plastic	29,657	38,906	46,149	1	No	No	No	High school diploma or equivalent	1 1	No	No	No

Лау 2022	egion 23	Annual W	ages (\$) by Occupat	ion	Wage Me	ets or Exceeds All O	ccupation Metric		Wage Mee	ts or Exceeds Educa	tional Level Metric
nay zozz	<b>†</b>		Average Annual	High-Level Wage	Representative	Average Annua			Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	<b>Educational Requirement</b>	Starting Wage	Wage	Threshold
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	32,891	43,446	49,623	No	No	No	High school diploma or equivalent	Yes	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	30,428	36,036	36,823	No	No	No	High school diploma or equivalent	No	No	No
E4 4024	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20.617	40.245	46 440	No.	N-	N-	High cabact distance as a six stant	No.		
51-4031	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and	29,617	40,315	46,419	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Plastic	32,685	60,991	90,609	No	Yes	Yes	High school diploma or oquivalent	Yes	Yes	Yes
31-4032	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and	32,083	60,991	90,009	NO	res	res	High school diploma or equivalent	res	res	res
51-4033	Tenders, Metal and Plastic	27,148	36,026	39,665	No	No	No	High school diploma or equivalent	No	No	No
	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and	,	,	,					1		
51-4034	Plastic	28,710	43,566	49,159	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	27,041	40,443	46,182	No	No	No	Postsecondary nondegree award	No	No	No
51-4041	Machinists	33,911	50,884	59,268	No	No	No	Postsecondary nondegree award	No	No	No
51-4051	Metal-Refining Furnace Operators and Tenders	42,438	54,110	55,117	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-4052	Pourers and Casters, Metal	32,349	50,577	61,338	No	No	No	High school diploma or equivalent	Yes	No	Yes
51-4061	Model Makers, Metal and Plastic	35,827	56,429	65,673	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	29,271	54,760	84,616	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-4071	Foundry Mold and Coremakers	25,209	44,153	56,434	No	No	No	High school diploma or equivalent	No	No	No
	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders,										
51-4072	Metal and Plastic	27,995	37,382	38,096	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	30,515	39,956	49,222	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	45,259	61,955	68,381	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	30,935	47,624	55,963	No No	No	No	Postsecondary nondegree award	No	No	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	26,859	40,607	46,652	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	27,049	44,194	51,368	No	No	No	High school diploma or equivalent	No	No	No
51-4192 51-4193	Layout Workers, Metal and Plastic	36,803	51,780	57,057	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	31,328	40,937	45,747	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194 51-4199	Tool Grinders, Filers, and Sharpeners	29,845	39,935	42,156	No	No	No	High school diploma or equivalent	No	No	No
	Metal Workers and Plastic Workers, All Other	29,973	40,473	48,233	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	35,360	51,473	60,662	Yes	No	No	Postsecondary nondegree award	Yes	No	No
51-5112 51-5113	Printing Press Operators	27,856	41,548	46,489	No	No	No	High school diploma or equivalent	No	No	No
	Print Binding and Finishing Workers	29,279	40,743	48,171	No	No	No	High school diploma or equivalent	No	No	No
51-6011 51-6021	Laundry and Dry-Cleaning Workers  Pressers, Textile, Garment, and Related Materials	22,171	26,478	29,194	No	No	No	No formal educational credential	No	No	No
		24,595	28,614	29,411	No No	No No	No No	No formal educational credential	Yes	No	No No
51-6031 51-6041	Sewing Machine Operators	20,800	27,426	30,269	No No		No No	No formal educational credential	No	No	
51-6042	Shoe and Leather Workers and Repairers Shoe Machine Operators and Tenders	24,201 29,336	34,814 42.384	38,216 50,143	No	No No	No	High school diploma or equivalent	No	No No	No
51-6051	Sewers, Hand	29,336	42,384 28,342	26,222	No No	No No	No No	High school diploma or equivalent  No formal educational credential	No Yes	No No	No No
51-6052	Tailors, Dressmakers, and Custom Sewers	29.352	36.279	38.792	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	25,012	29,954	30,615	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	29.000	32.436	33.074	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	27,597	30,809	31,732	No	No	No	High school diploma or equivalent	No	No	No
31-0003	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and	21,551	30,003	31,732	140	140	140	Tilgii scriool dipionia of equivalent	140	140	140
51-6064	Tenders	25,218	36,402	41,376	No	No	No	High school diploma or equivalent	No	No	No
	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and	25,210	30,402	42,570	140	110	110	Thigh serioof diploma of equivalent	1.0	140	
51-6091	Glass Fibers	36,619	63,798	90.739	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	27,011	54,146	80,500	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6093	Upholsterers	27,676	39,002	43,965	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	26,693	31,361	31,200	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	30.523	41.759	48.043	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	31,672	46,060	56,563	No	No	No	High school diploma or equivalent	Yes	No	No
51-7031	Model Makers, Wood	35,827	56,429	65,673	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood	35,827	56,429	65,673	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	25,302	35,012	37,412	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	28,690	33,263	35,169	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	27,541	29,068	27,545	No	No	No	High school diploma or equivalent	No	No	No
51-8011	Nuclear Power Reactor Operators	52,614	83,012	105,098	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	58,163	96,190	112,402	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	50,365	82,281	101,581	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	49,497	63,485	75,396	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	43,346	82,514	103,012	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	45,342	67,168	72,717	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-8092	Gas Plant Operators	37,464	56,483	68,295	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	49,392	60,446	77,025	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	43,775	62,343	70,158	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	29,798	47,111	49,744	No	No	No	High school diploma or equivalent	No	No	No
	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,										
51-9012	Operators, and Tenders	27,501	43,692	49,691	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	24,114	41,622	47,015	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	29,861	37,442	39,081	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	27,832	38,856	43,477	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	22,530	36,954	46,438	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	24,531	37,340	41,356	No	No	No	High school diploma or equivalent	No	No	No
	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and										
51-9041	Tenders	30,040	41,419	48,962	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	34,000	41,030	47,188	No	No	No	High school diploma or equivalent	Yes	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	25,274	45,681	55,708	No	No	No	Postsecondary nondegree award	No	No	No
51-9071	Jewelers and Precious Stone and Metal Workers	22,050	48,221	57,240	No	No	No	High school diploma or equivalent	No	No	No
51-9081	Dental Laboratory Technicians	31.990	45,826	55,529	No	No	No	Postsecondary nondegree award	No	No	No

Wages - Workforce Region 23

May 2022	egion 23	Annual W	ages (\$) by Occupa	tion	Wage Meet	s or Exceeds All Occu	pation Metric		Wage Meets	or Exceeds Education	nal Level Metric
		Representative	Average Annual	High-Level Wage	Representative	Average Annual	High-Level Wage		Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-9082	Medical Appliance Technicians	29,391	41,748	52,920	No	No	No	Postsecondary nondegree award	No	No	No
51-9083	Ophthalmic Laboratory Technicians	24,736	33,121	36,863	No No	No	No No	High school diploma or equivalent	No No	No	No
51-9111 51-9123	Packaging and Filling Machine Operators and Tenders  Painting, Coating, and Decorating Workers	22,116 23,423	32,655 36.044	37,231 43,810	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
51-9124								High school diploma or equivalent	1 1		
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	31,794	43,370	49,931	No	No	No No	High school diploma or equivalent	Yes	No	No
51-9151	Semiconductor Processing Technicians Photographic Process Workers and Processing Machine Operators	41,268 27,927	51,931 41,440	55,074 45,091	Yes No	No No	No No	High school diploma or equivalent	Yes No	Yes No	No No
51-9161	Computer Numerically Controlled Tool Operators	28,957	41,291	47,561	No	No	No	High school diploma or equivalent Postsecondary nondegree award	No.	No	No
51-9162	Computer Numerically Controlled Tool Programmers	34.854	55,742	65,023	Yes	No	No	Associate's degree	No.	No	No
51-9191	Adhesive Bonding Machine Operators and Tenders	24,254	34,419	42,092	No	No	No	High school diploma or equivalent	No.	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	28,241	39,079	51,227	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	29,921	49,591	52,820	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	21,393	32,902	36,491	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	29,617	39,337	45,791	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	29,416	38,241	39,435	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	31,471	40,726	44,009	No	No	No	High school diploma or equivalent	Yes	No	No
51-9198	HelpersProduction Workers	24,183	31,685	35,264	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	23,823	36,821	39,707	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	43,274	59,003	62,274	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
	First-Line Supervisors of Transportation and Material Moving Workers, Except										
53-1047	Aircraft Cargo Handling Supervisors	36,499	59,950	72,695	Yes	No	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	116,668	256,776	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	59,632	147,297	201,630	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	87,778	143,994	172,536	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	29,801	100,027	130,762	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	29,872	68,309	79,023	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	28,656	29,722	29,330	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	21,663	33,709	42,701	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	33,563	51,423	59,779	No	No	No	Postsecondary nondegree award	No	No	No
53-3033	Light Truck Drivers	28,152	45,394	48,773	No	No	No	High school diploma or equivalent	No	No	No
53-3051	Bus Drivers, School	25,726	35,599	42,197	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	30,277	39,334	42,418	No	No	No	High school diploma or equivalent	No	No	No
53-3053 53-3054	Shuttle Drivers and Chauffeurs	23,994 30.812	32,177 33,407	32,245 30,828	No No	No No	No No	High school diploma or equivalent	No Yes	No Yes	No No
53-3054	Taxi Drivers	21,740	33,407	30,828	No No	No No	No No	No formal educational credential	Yes No	Yes No	No No
53-4011	Motor Vehicle Operators, All Other Locomotive Engineers	61,327	74.494	80.476			Yes	High school diploma or equivalent	Yes		Yes
53-4011	Rail Yard Engineers, Dinkey Operators, and Hostlers	34.895	74,494 58.499	56.353	Yes Yes	Yes No	No.	High school diploma or equivalent	Yes	Yes Yes	No.
53-4013	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	42.406	64.123	67.071	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	68.675	77,518	80,530	Yes	Yes	Yes	High school diploma or equivalent High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	31,666	45,256	56,841	No.	No	No.	High school diploma or equivalent	Yes	No	No
53-4099	Rail Transportation Workers, All Other	44,714	45,462	44,725	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-5011	Sailors and Marine Oilers	31,275	49,373	53,712	No.	No	No.	High school diploma or equivalent	Yes	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	38,975	91.650	126,584	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	28,489	45,212	50.124	No	No	No	Postsecondary nondegree award	No	No	No
53-5031	Ship Engineers	73,705	99,780	109,385	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	26,096	34,722	39,425	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	21,248	26,573	28,538	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	24,419	31,743	35,533	No	No	No	No formal educational credential	Yes	No	No
53-6032	Aircraft Service Attendants	31,472	38,987	38,445	No	No	No	High school diploma or equivalent	Yes	No	No
53-6041	Traffic Technicians	49,736	55,893	60,793	Yes	No	No	Associate's degree	Yes	No	No
53-6051	Transportation Inspectors	37,966	73,883	97,428	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	22,859	36,556	40,198	No	No	No	High school diploma or equivalent	No	No	No
53-6099	Transportation Workers, All Other	20,977	34,092	41,094	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	33,980	36,152	35,808	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7021	Crane and Tower Operators	36,822	67,197	80,615	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	38,699	51,292	53,416	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
53-7041	Hoist and Winch Operators	34,960	54,782	56,136	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	30,222	40,108	46,200	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	23,553	32,018	35,075	No	No	No	No formal educational credential	No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	25,760	36,221	38,527	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	28,615	35,541	35,802	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7064	Packers and Packagers, Hand	23,359	27,874	29,233	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	27,223	33,874	36,394	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	33,449	47,228	67,766	No	No	No	High school diploma or equivalent	Yes	No	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	37,417	47,907	51,931	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-7073	Wellhead Pumpers	33,270	39,685	36,868	No	No	No	High school diploma or equivalent	Yes	No	No
53-7081	Refuse and Recyclable Material Collectors	30,631	46,884	52,518	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	46,990	65,489	66,496	Yes	Yes	No	No formal educational credential	Yes	Yes	Yes
53-7199	Material Moving Workers, All Other	29,615	42,069	42,734	No	No	No	No formal educational credential	Yes	Yes	Yes

 $[\]ensuremath{^{*}}$  indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

## Summary - Workforce Region 23

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
-	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	34,761	60,982	70,073	831
No formal educational credential	23,962	32,993	35,607	85
High school diploma or equivalent	30,599	50,605	58,419	238
Some college, no degree	28,241	45,204	51,251	49
Postsecondary nondegree award	34,711	52,800	61,888	90
Associate's degree	39,580	59,901	68,137	68
Bachelor's degree	48,819	97,037	113,578	185
Master's degree	48,859	86,757	100,865	43
Doctoral or professional degree	54,955	141,391	158,349	73

	Representative	Starting Wage	Average Ar	nual Wage	High-Level Wa	age Threshold
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric
All Occupations	474	357	511	320	503	328
No formal educational credential	32.94%	67.06%	32.94%	67.06%	32.94%	67.06%
High school diploma or equivalent	63.45%	36.55%	78.99%	21.01%	78.57%	21.43%
Some college, no degree	22.45%	77.55%	28.57%	71.43%	28.57%	71.43%
Postsecondary nondegree award	53.33%	46.67%	51.11%	48.89%	53.33%	46.67%
Associate's degree	61.76%	38.24%	51.47%	48.53%	44.12%	55.88%
Bachelor's degree	61.62%	38.38%	68.11%	31.89%	67.57%	32.43%
Master's degree	67.44%	32.56%	55.81%	44.19%	51.16%	48.84%
Doctoral or professional degree	69.86%	30.14%	68.49%	31.51%	67.12%	32.88%

	egion 24	Annual M	/ages (\$) by Occupat	ion	Maga Maga	te or Evenode All (	Occupation Metric		1	Wage Moets	or Exceeds Education	and Loyal Matric
May 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
11-1011	Chief Executives	51,971	275,112	*	Yes	Yes	Yes*	Bachelor's degree		Yes	Yes	Yes*
11-1021	General and Operations Managers Legislators	42,298 20.800	112,940 67,899	135,817 96.620	Yes No	Yes	Yes Yes	Bachelor's degree Bachelor's degree		No No	Yes No	Yes No
11-2011	Advertising and Promotions Managers	47.634	115,055	165.110	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
11-2021	Marketing Managers	66,131	144.961	182,469	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2022	Sales Managers	60,086	140,938	165,952	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2032	Public Relations Managers	59,810	105,835	122,978	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-2033	Fundraising Managers	73,042	144,424	167,153	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3012	Administrative Services Managers	47,003	106,605	131,531	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-3013	Facilities Managers	49,748	101,197	135,703	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	90,294	153,089	170,342	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3031	Financial Managers	71,038	154,423	181,044	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3051	Industrial Production Managers	61,159	120,766	136,961	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3061	Purchasing Managers	67,670	121,604	150,838	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-3071 11-3111	Transportation, Storage, and Distribution Managers  Compensation and Benefits Managers	47,252 94,806	97,967 151,054	122,654 189,455	Yes Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes Yes
11-3111	Human Resources Managers	71.718	137,934	154.348	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
11-3131	Training and Development Managers	62,295	102,433	124,601	Yes	Yes	Yes	Bachelor's degree Bachelor's degree		Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	24,170	68.804	82,212	No	Yes	Yes	Bachelor's degree		No	No	No
11-9021	Construction Managers	64,034	122,722	131,761	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	29,930	51,938	57,617	No	No	No	Bachelor's degree		No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	63,530	102,050	107,872	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	50,203	89,920	97,873	Yes	Yes	Yes	Master's degree	1	No	No	No
11-9039	Education Administrators, All Other	33,472	62,936	81,910	Yes	Yes	Yes	Master's degree		No	No	No
11-9041	Architectural and Engineering Managers	83,804	159,763	209,761	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9051	Food Service Managers	37,095	70,798	81,434	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
11-9071	Gambling Managers	60,810	116,731	117,963	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
11-9072	Entertainment and Recreation Managers, Except Gambling	45,626	100,642	118,963	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
11-9081	Lodging Managers	39,174	73,182	82,558	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9111 11-9121	Medical and Health Services Managers Natural Sciences Managers	60,302 53.310	125,410 108,258	130,866 124.836	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9121	Postmasters and Mail Superintendents	53,310 72,634	91.147	124,836	Yes	Yes	Yes Yes	Bachelor's degree		Yes	Yes Yes	Yes Yes
11-9141	Property, Real Estate, and Community Association Managers	72,034 37,496	70.374	82.030	Yes Yes	Yes	Yes	High school diploma or equivalent Bachelor's degree		Yes No	No.	No.
11-9151	Social and Community Service Managers	39,389	74.018	82,248	Yes	Yes	Yes	Bachelor's degree		No	No	No
11-9161	Emergency Management Directors	50,100	94.627	117.229	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
11-9171	Funeral Home Managers	22,817	72,565	79,005	No	Yes	Yes	Associate's degree		No	Yes	Yes
11-9179	Personal Service Managers, All Other	49,451	80,074	95,655	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
11-9199	Managers, All Other	50,981	116,857	139,381	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	31,200	83,976	114,298	No	Yes	Yes	Bachelor's degree		No	No	Yes
13-1020	Buyers and Purchasing Agents	37,786	65,780	77,106	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	40,565	67,474	79,351	Yes	Yes	Yes	Some college, no degree		Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	48,746	67,797	77,505	Yes	Yes	Yes	Postsecondary nondegree award		Yes	Yes	Yes
13-1041	Compliance Officers	36,899	64,370	80,546	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1051	Cost Estimators	36,382	67,041	80,841	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1071	Human Resources Specialists	36,934	62,598	75,722	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1074 13-1075	Farm Labor Contractors  Labor Relations Specialists	23,821 40.399	87,538 76,884	122,299 98.419	No	Yes Yes	Yes	No formal educational credential Bachelor's degree		No No	Yes No	Yes No
13-10/5	Logisticians	40,399 35.984	55,746	61.984	Yes Yes	Yes	Yes Yes	Bachelor's degree		No	No	No
13-1082	Project Management Specialists	52,019	90.517	102.684	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
13-1111	Management Analysts	39,031	100,320	122,678	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	32,458	54.747	64,771	No	Yes	Yes	Bachelor's degree		No	No	No
13-1131	Fundraisers	34,140	62,783	76,957	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	48,998	123,387	178,301	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
13-1151	Training and Development Specialists	33,285	63,306	78,930	No	Yes	Yes	Bachelor's degree		No	No	No
13-1161	Market Research Analysts and Marketing Specialists	34,664	65,904	78,570	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-1199	Business Operations Specialists, All Other	34,778	65,756	77,230	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2011	Accountants and Auditors	38,968	78,277	91,888	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2020	Property Appraisers and Assessors	37,557	67,303	79,758	Yes	Yes	Yes	Bachelor's degree		No	No	No
13-2031	Budget Analysts	54,698	77,083	86,221	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
13-2041	Credit Analysts	49,070	91,418	101,969	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	No
13-2051	Financial and Investment Analysts Personal Financial Advisors	56,482	94,840	109,275	Yes	Yes	Yes	Bachelor's degree	+	Yes	Yes	Yes
13-2052 13-2053	Personal Financial Advisors Insurance Underwriters	37,954 47,986	112,324 62,418	147,035 63.688	Yes Yes	Yes	Yes Yes	Bachelor's degree	+	No Yes	Yes No	Yes No
13-2054	Financial Risk Specialists	47,986 52,582	62,418 112,792	63,688 148.165	Yes	Yes	Yes Yes	Bachelor's degree Bachelor's degree	1	Yes	No Yes	No Yes
13-2054	Financial Examiners	45.895	79.568	95.714	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	+	No	No.	No.
13-2001	Credit Counselors	38.366	48.081	49.477	Yes	No	No	Bachelor's degree	1	No	No	No
13-2072	Loan Officers	32,532	71.205	84.180	No	Yes	Yes	Bachelor's degree	1	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	29,536	55,383	79,352	No	Yes	Yes	Bachelor's degree		No	No	No
13-2082	Tax Preparers	23,766	45,416	61,734	No	No	Yes	Postsecondary nondegree award		No	No	Yes
13-2099	Financial Specialists, All Other	33,566	60,268	72,732	Yes	Yes	Yes	Bachelor's degree		No	No	No
15-1211	Computer Systems Analysts	52,731	97,315	124,145	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1212	Information Security Analysts	62,478	104,406	121,014	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	78,037	130,016	174,830	Yes	Yes	Yes	Master's degree		Yes	Yes	Yes
15-1231	Computer Network Support Specialists	44,102	94,600	87,575	Yes	Yes	Yes	Associate's degree	1	Yes	Yes	Yes
15-1232	Computer User Support Specialists	34,670	56,781	64,893	Yes	Yes	Yes	Postsecondary nondegree award	1	Yes	Yes	Yes
15-1241	Computer Network Architects	78,096	127,828	159,994	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
15-1242	Database Administrators	39,975	86,653	118,239	Yes	Yes	Yes	Bachelor's degree	-	No Voc	No	Yes
15-1243	Database Architects	59,987	129,656	151,682	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes

Wages - Workforce Re May 2022	egion 24	Annual M	ages (\$) by Occupat	tion	Wage Meet	s or Evenode All (	Occupation Metric	1	1	Wago Moots	or Exceeds Educati	anal Lovel Matris
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annual	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
15-1244 15-1251	Network and Computer Systems Administrators	50,398	86,165	104,562	Yes	Yes	Yes	Bachelor's degree		Yes	No	Yes
15-1251	Computer Programmers	49,955 61.866	92,144 111.035	128,339 134,025	Yes	Yes	Yes Yes	Bachelor's degree	-	Yes	Yes	Yes
15-1252 15-1253	Software Developers Software Quality Assurance Analysts and Testers	46,862	111,035 88.444	134,025	Yes Yes	Yes	Yes	Bachelor's degree Bachelor's degree	-	No Yes	Yes No	Yes
15-1254	Web Developers	46,862	97,645	134,756	Yes	Yes	Yes	Associate's degree	-	Yes	Yes	Yes
15-1255	Web and Digital Interface Designers	34.894	74,595	88.359	Yes	Yes	Yes	Associate's degree	-	No	Yes	Yes
15-1299	Computer Occupations, All Other	37,629	85,652	106,667	Yes	Yes	Yes	Bachelor's degree	-	No	No	Yes
15-2011	Actuaries	73,697	142,561	181,597	Yes	Yes	Yes	Bachelor's degree	_	Yes	Yes	Yes
15-2021	Mathematicians	39,423	93,678	128,824	Yes	Yes	Yes	Master's degree	_	No	Yes	Yes
15-2031	Operations Research Analysts	39,250	70,813	79,046	Yes	Yes	Yes	Bachelor's degree		No	No	No
15-2041	Statisticians	36,982	70,967	88,029	Yes	Yes	Yes	Master's degree		No	No	No
15-2051	Data Scientists	48,993	101.250	124,579	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
15-2099	Mathematical Science Occupations, All Other	40,132	82,610	100,065	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1011	Architects, Except Landscape and Naval	51,200	100,256	108,789	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-1012	Landscape Architects	39,704	70,476	79,650	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-1021	Cartographers and Photogrammetrists	49,457	76,135	84,953	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-1022	Surveyors	34,947	62,753	74,890	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2011	Aerospace Engineers	76,224	114,188	132,894	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2021	Agricultural Engineers											
17-2031	Bioengineers and Biomedical Engineers	65,711	105,551	123,764	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2041	Chemical Engineers	66,408	107,555	132,303	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2051	Civil Engineers	51,598	99,484	119,279	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2061	Computer Hardware Engineers	65,944	117,933	137,103	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2071	Electrical Engineers	62,475	100,178	123,715	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	78,023	100,096	112,150	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2081	Environmental Engineers	46,757	89,976	101,486	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	50,250	84,172	96,076	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2112	Industrial Engineers	60,682	93,019	104,913	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	50,786	76,884	90,416	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2131	Materials Engineers	56,020	91,550	112,158	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2141	Mechanical Engineers	50,324	86,795	96,056	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	45,770	95,334	107,230	Yes	Yes	Yes	Bachelor's degree		No	Yes	Yes
17-2161	Nuclear Engineers	79,930	115,203	124,862	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2171	Petroleum Engineers	66,230	129,395	155,237	Yes	Yes	Yes	Bachelor's degree		Yes	Yes	Yes
17-2199	Engineers, All Other	44,034	82,643	96,013	Yes	Yes	Yes	Bachelor's degree		No	No	No
17-3011	Architectural and Civil Drafters	39,560	57,667	66,186	Yes	Yes	Yes	Associate's degree		No	No	Yes
17-3012	Electrical and Electronics Drafters	43,160	63,569	76,023	Yes	Yes	Yes	Associate's degree		Yes	Yes	Yes
17-3013	Mechanical Drafters	37,806	62,585	73,510	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3019	Drafters, All Other	37,440	56,818	65,689	Yes	Yes	Yes	Associate's degree		No	No	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	35,816	77,012	105,298	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	37,635	53,853	62,907	Yes	No	Yes	Associate's degree		No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	37,940	60,830	74,145	Yes	Yes	Yes	Associate's degree		No	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	45,307	70,153	79,240	Yes	Yes	Yes	Associate's degree	_	Yes	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	30,937	45,543	51,476	No	No	No	Associate's degree	_	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	39,614	63,762	77,406	Yes	Yes	Yes	Associate's degree	_	No	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	38,644	58,977	65,856	Yes	Yes	Yes	Associate's degree	-	No	Yes	Yes
17-3028	Calibration Technologists and Technicians	38,536	62,594	79,457	Yes	Yes	Yes	Associate's degree	-	No	Yes	Yes
17-3029 17-3031	Engineering Technologists and Technicians, Except Drafters, All Other	38,272	78,392	121,741	Yes	Yes	Yes	Associate's degree	-	No	Yes	Yes
	Surveying and Mapping Technicians	30,409	46,420	56,507	No	No	No	Associate's degree	-	No	No	No
19-1011 19-1012	Animal Scientists	36,781	80,462	119,964	Yes	Yes	Yes	Master's degree	-	No	No	Yes
19-1012	Food Scientists and Technologists	39,107	77,653	106,974	Yes	Yes	Yes	Bachelor's degree	-	No	No	Yes
	Soil and Plant Scientists	58,896	96,629	121,840	Yes	Yes	Yes	Bachelor's degree	-	Yes	Yes	Yes
19-1021 19-1022	Biochemists and Biophysicists Microbiologists	39,521 35,885	86,553 59,016	109,083 72,292	Yes Yes	Yes Yes	Yes Yes	Doctoral or professional degree	-	No No	No No	No No
19-1022	Zoologists and Wildlife Biologists	31,200	47.039	72,292 50.149	No	No No	No No	Master's degree Master's degree	1	No	No	No
19-1023	Biological Scientists. All Other	31,200 39.042	47,039 58.608	50,149 72.800		No Yes	No Yes			No No	No No	No No
19-1029	Conservation Scientists	39,042	62,051	72,800 76,211	Yes No	Yes	Yes	Bachelor's degree Bachelor's degree	1	No	No	No No
19-1031	Foresters	32,594 36.841	59,538	76,211	Yes	Yes	Yes		1	No No	No No	No No
19-1041	Epidemiologists	81,081	106,182	107.950	Yes	Yes	Yes	Bachelor's degree  Doctoral or professional degree	1	Yes	No	No
19-1041	Medical Scientists, Except Epidemiologists	45,867	125,834	163,684	Yes	Yes	Yes	Bachelor's degree	1	No	Yes	Yes
19-1042	Life Scientists, All Other	45,867 55,596	85.380	91.244		Yes	Yes	Bachelor's degree Bachelor's degree	1	Yes	No Yes	No Yes
19-1099	Astronomers	76,776	85,380 157,041	220,295	Yes Yes	Yes	Yes	Doctoral or professional degree	1	Yes	No No	Yes
19-2012	Physicists	76,776	157,041	220,295	Yes	Yes	Yes	Doctoral or professional degree  Doctoral or professional degree	1	Yes	No No	Yes
19-2021	Atmospheric and Space Scientists	49.048	87,192	110.035	Yes	Yes	Yes	Bachelor's degree	1	Yes	No	Yes
19-2021	Chemists	49,048	70.535	90,777	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	1	No	No	No.
19-2032	Materials Scientists	67,876	114,474	133,919	Yes	Yes	Yes	Bachelor's degree	1	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	36,005	62,389	72,103	Yes	Yes	Yes	Bachelor's degree		No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	64,356	99.004	125.137	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	1	Yes	Yes	Yes
19-2042	Hydrologists	43,405	72,672	79,618	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	1	No No	No	No
19-2099	Physical Scientists, All Other	43,405	106.442	131.879	Yes	Yes	Yes	Bachelor's degree Bachelor's degree	1	No	Yes	Yes
19-3011	Economists	65,958	103,553	119,168	Yes	Yes	Yes	Master's degree	1	Yes	Yes	Yes
19-3011	Survey Researchers	52,137	99.326	125,966	Yes	Yes	Yes	Master's degree Master's degree	1	No.	Yes	Yes
19-3022	Industrial-Organizational Psychologists	73,356	126,242	152,763	Yes	Yes	Yes	Doctoral or professional degree	1	Yes	No	No Yes
19-3032	Clinical and Counseling Psychologists	73,356 46,680	126,242	164,738	Yes	Yes	Yes	Doctoral or professional degree  Doctoral or professional degree	1	No Yes	No No	Yes
19-3033	School Psychologists	46,680 39,230	74,605	164,/38 83,902	Yes	Yes	Yes	Doctoral or professional degree  Doctoral or professional degree	1	No No	No No	Yes No
19-3034	Psychologists, All Other	79,352	114,659	122.678	Yes	Yes	Yes	Doctoral or professional degree  Doctoral or professional degree	1	Yes	No	No
19-3041	Sociologists Sociologists	28,926	57,853	50.116	No No	Yes	No.	Master's degree	1	No No	No	No
19-3041	Urban and Regional Planners	28,926 54,080	75,655	80,984	Yes	Yes	Yes	Master's degree Master's degree	1	No	No	No
10 0001	oroan and negional Hallicia	54,000	,,,,,,	00,504	163	.63	163	musici s'degree	-			.40

Commons   Common	ges - Workforce Reg	gion 24	Annual M	lages (¢) by Ossupat	tion	Wage Most	s or Evenode All (	Occupation Motric			Wage Moets	or Evenade Educat	ional Loyal Motric
Second	2022												
1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999   1999	cupational Code	Occupational Title				Starting Wage			<b>Educational Requirement</b>				Threshold
1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988													
													No No
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1985   Section of the content of t				,	,								Yes
1940   Section (Approximate)			. ,	. ,	-,								No
19-91   Montemore   14-12													No
1906			-,	-,	-, -								Yes
	-4021		29,120	44,900	56,005	No	No	No		No		No	No
Second Company	-4031	Chemical Technicians	31,441	55,971	62,420	No	Yes	Yes	Associate's degree	No		No	No
1948			29,452		/	No	No	Yes	Associate's degree	No		No	No
1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985													No
Section   Sect													No
1905   Serie and Communication Services   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915   1915													Yes
1940    Service Control Endological Confederal Antibodies   1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940													No
1.5900   Mr. Physical and treat factors factors factorisations A factors   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1.500   1													No No
1940   Designation with and follow possible.   17,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000   19,000													No No
1900   Comparison material and fairly Technology   May   M													No
1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,00													Yes
19.00   Murries part flower plant plane plant plane plant   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00   19.00													No
12025   Resignations Consorted Street, well New York Market Health Convolution   No. 10.													No
Schaleren Albors Inferiors (antiferior further stands (courselin)   13,484   4,575   69,70   70   70   70   70   70   70   70													No
2000   Conceins, Al Order   1,15,66   42,75   41,161   No			35,428				Yes	Yes		No		No	No
22-2022   Resthuse feature Weekers   56.257   56.758   Vol.   Vol.   Vol.   Machar singline   No.   No.	-1019	Counselors, All Other	31,866	48,262	48,419	No	No	No	Master's degree	No		No	No
13-100		Child, Family, and School Social Workers	33,844	55,840	77,203	Yes	Yes	Yes	Bachelor's degree	No		No	No
21-100   Social Workers, All Other									Master's degree				No
21-1910   No.					,								No
2.1919   Pockston Officers and Connectional Treatment Specialists   2,200   39,104   6,104   10   10   10   10   10   10   10													No
23-1993   Social and Futures Service Assistants													No
22-1995   Community intelligent Workers   31,786   64,569   60,226   No													No
22-1991   Community and social Service Specialists, All Offices   22,742   42,722   52,741   No. No. No.			,	,	,								No No
22-2021   Corpy			. ,	-,	, .								No
22-2021   Orectors, Reighous Authorities and Education   33,218   53,466   60,228   No				,									No
2.2099   Religious Worker, All Other   15,029   53,552   17,027   10   10   10   10   10   10   10   1		0,		,	,								No
23-1012   Janyers   1.5-102   1.5-25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.11, 2.25   1.1													No
2-1012													No
2-1022   Arbitration, Mediation, and Conciliations   32,488   50,342   60,381   No No No   Bachelor's degree   No No No   2-2011   Parallegia and Ligal Ausistants   37,851   52,266   61,651   Ves Ves   Ves   Doctoral or prolesional degree   No No No   2-2011   Parallegia and Ligal Ausistants   37,851   52,266   61,651   Ves Ves   Ves   Macrocite's degree   No No No   2-2020   Ligal Support Workers, All Other   22,478   59,485   59,485   59,485   59,486   No	-1012	Judicial Law Clerks											No
2-1023   Judges, Maghtrarte logies, and Mag	-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	42,025	92,368	114,701	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
22-2013   Parialegis and Legal Assistants   37,351   52,286   61,651   Ves		Arbitrators, Mediators, and Conciliators	32,468		60,181	No	No	No	Bachelor's degree	No		No	No
20.099   Title Earmiers, Abstractors, and Searchers   32.944   32.948   63.487   No						Yes	Yes	Yes	Doctoral or professional degree				No
Legal Support Workers, All Olther   28,4%   59,435   59,445   78,701   Ves													No
25-1011   Surines Teachers, Postsecondary   48,515   73,105   73,710   74,105   74,710   74,105   74,710   74,105   74,710   74,105   74,710   74,105   74,710   74,105   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74,710   74													Yes
25-1021   Computer Science Teachers, Postsecondary   48,527   85,092   99,35   Ves Ves Ves Ves   Doctoral or professional degree   No													No
25-1022   Mathematical Science Teachers, Postsecondary   38,250   101,494   127,257   74,010   88,502   74,716   74,010   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,016   74,01		,											No
25-1031													No No
25-1032   Enjinering Teachers, Postsecondary   46,381   89,027   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477   122,477				,	,								No
25-1041   Agricultural Science Teachers, Postsecondary													No
25-1042   Biological Science Teachers, Postsecondary   50,802   85,335   96,105   Yes Yes Yes   Doctoral or professional degree   No No   No   Post-1051   Postsy and Conservation Science Teachers, Postsecondary   46,144   63,412   61,440   Yes Yes Yes   Doctoral or professional degree   No No   No   Post-1052   Post-1052   Post-1053   Post-1054   Post-1054   Post-1054   Post-1055   Post-1054   Post-1055   Pos													No
25-1043   Forestry and Conservation Science Teachers, Postsecondary													No
25-1052   Chemistry Teachers, Postsecondary	-1043												No
25-1052 Chemistry Teachers, Postsecondary 43,897 55,688 61,350 Ves Ves Ves Octoral or professional degree No No No 25-1054 Physics Teachers, Postsecondary 43,897 71,355 88,958 Ves Ves Ves Ves Octoral or professional degree No No No 25-1054 Physics Teachers, Postsecondary 46,144 84,079 98,784 Ves Ves Ves Ves Octoral or professional degree No No No 25-1062 Anthropology and Archeology Teachers, Postsecondary 46,144 84,079 98,784 Ves Ves Ves Ves Octoral or professional degree No No No 25-1062 Area, Ethnic, and Cultural Studies Teachers, Postsecondary 47,288 66,082 75,869 Ves Ves Ves Ves Octoral or professional degree No No No 25-1062 Area, Ethnic, and Cultural Studies Teachers, Postsecondary 48,080 61,591 74,163 Ves Ves Ves Ves Octoral or professional degree No No No 25-1064 Geography Teachers, Postsecondary 46,144 63,412 61,440 Ves Ves Ves Ves Octoral or professional degree No No No 25-1065 Political Science Teachers, Postsecondary 46,144 63,412 61,440 Ves Ves Ves Ves Ves Octoral or professional degree No No No 25-1066 Psychology Teachers, Postsecondary 46,144 63,412 61,440 Ves	-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	46,144	63,412	61,440	Yes	Yes	Yes	Doctoral or professional degree	No		No	No
25-1054   Physics Teachers, Postsecondary   47,288   63,559   62,810   Yes   Yes   Yes   Doctoral or professional degree   No No No	-1052		40,537	55,688	61,350	Yes	Yes	Yes		No		No	No
25-1061 Anthropology and Archeology Teachers, Postsecondary 46,144 84,079 98,784 Yes Yes Yes Doctoral or professional degree No No No 25-1062 Are, Ethnic, and Cultural Studies Teachers, Postsecondary 48,063 61,991 74,163 Yes Yes Yes Doctoral or professional degree No No No 25-1064 Geography Teachers, Postsecondary 48,063 61,991 74,163 Yes Yes Yes Doctoral or professional degree No No No 25-1064 Geography Teachers, Postsecondary 46,104 63,412 61,440 Yes Yes Yes Doctoral or professional degree No No No 25-1065 Political Science Teachers, Postsecondary 46,102 60,508 68,387 Yes Yes Yes Doctoral or professional degree No No No 25-1066 Psychology Teachers, Postsecondary 55,1066 Psychology Teachers, Postsecondary 55,1067 Sociology Teachers, Postsecondary 55,1068 Psychology Teachers, Postsecondary 55,1069 Social Sciences Teachers, Postsecondary 55,1071 Health Specialities Teachers, Postsecondary 48,508 96,049 103,557 Yes Yes Yes Doctoral or professional degree No No No 25-1071 Health Specialities Teachers, Postsecondary 55,1071 Health Specialities Teachers, Postsecondary 55,1072 Nursing Instructors and Teachers, Postsecondary 55,1073 Nursing Instructors and Teachers, Postsecondary 55,1074 Hey Teachers, Postsecondary 55,1075 Sociology Teachers, Postsecondary 55,1076 Sociology Teachers, Postsecondary 56,1077 Sociology Teachers, Postsecondary 57,1078 Psychology Teachers, Postsecondary 57,1079 Social Sciences T			-,	,	,				Doctoral or professional degree				No
25-1062   Area, Ethnic, and Cultural Studies Teachers, Postsecondary   47,928   66,082   75,869   Yes   Yes   Yes   Yes   Doctoral or professional degree   No No No													No
Economics Teachers, Postsecondary													No
25-1064   Geography Teachers, Postsecondary   46,144   63,412   61,440   Yes   Yes   Yes   Yes   Doctoral or professional degree   No No No 25-1065   Political Science Teachers, Postsecondary   46,102   60,508   68,387   Yes   Yes   Yes   Yes   Doctoral or professional degree   No No No 25-1066   Psychology Teachers, Postsecondary   50,203   77,246   84,580   Yes   Yes   Yes   Doctoral or professional degree   No No No 25-1067   Sociology Teachers, Postsecondary   47,229   99,454   118,781   Yes   Yes   Yes   Doctoral or professional degree   No No No 25-1067   Sociology Teachers, Postsecondary   47,229   99,454   118,781   Yes   Yes   Yes   Doctoral or professional degree   No No No 25-1071   Health Specialties Teachers, Postsecondary   48,508   96,049   103,557   Yes   Yes   Yes   Yes   Doctoral or professional degree   No No No No 25-1071   Health Specialties Teachers, Postsecondary   48,508   96,049   103,557   Yes   Yes   Yes   Yes   Waster's degree   Yes   No No 25-1081   Education Teachers, Postsecondary   50,111   69,220   83,554   Yes   Yes   Yes   Yes   Doctoral or professional degree   No No No 25-1082   Library Science Teachers, Postsecondary   47,780   73,188   80,649   Yes   Yes   Yes   Doctoral or professional degree   No No No 25-1112   Library Science Teachers, Postsecondary   44,725   139,330   206,024   Yes   Yes   Yes   Doctoral or professional degree   No No No 25-1112   Social Mork Teachers, Postsecondary   44,725   139,330   206,024   Yes   Yes   Yes   Doctoral or professional degree   No No No 25-1112   Art, Drama, and Music Teachers, Postsecondary   49,811   65,578   73,152   Yes   Yes   Yes   Doctoral or professional degree   No No No 25-11123   English Language and Literature Teachers, Postsecondary   49,811   65,578   73,152   Yes   Yes   Yes   Doctoral or professional degree   No No No 25-11123   English Language and Literature Teachers, Postsecondary   40,517   66,989   77,781   Yes   Yes   Pes   Doctoral or professional degree   No No No 25-11124   Foreign Language and Literatur		·											No
25-1065   Political Science Teachers, Postsecondary   46,102   60,508   68,387   Yes   Yes   Yes   Yes   Yes   Doctoral or professional degree   No									, ,				No
25-1066   Psychology Teachers, Postsecondary   S0,203   77,246   84,580   Yes   Yes   Yes   Doctoral or professional degree   No No No 25-1067   Sociology Teachers, Postsecondary   47,229   99,454   118,781   Yes   Yes   Yes   Yes   Doctoral or professional degree   No No No 25-1069   Social Sciences Teachers, Postsecondary   47,229   99,454   118,781   Yes   Yes   Yes   Yes   Doctoral or professional degree   No No No 25-1071   Health Specialities Teachers, Postsecondary   48,508   96,049   103,557   Yes   Yes   Yes   Sachelor's degree   Yes													No
25-1067   Sociology Teachers, Postsecondary   47,229   99,454   118,781   Yes   Yes   Yes   Doctoral or professional degree   No No No													No No
25-1069         Social Sciences Teachers, Postsecondary, All Other         45,721         64,338         75,702         Yes         Yes         Yes         Ves         Ves         No         No           25-1071         Health Specialties Teachers, Postsecondary         48,508         96,049         103,557         Yes         No         No <td></td> <td>No No</td>													No No
25-1071 Health Specialties Teachers, Postsecondary 48,508 96,049 103,557 Yes Yes Yes Yes Bachelor's degree Yes Yes No 25-1072 Nursing Instructors and Teachers, Postsecondary 61,237 82,748 96,182 Yes Yes Yes Yes Master's degree No No No 25-1082 Education Teachers, Postsecondary 50,111 69,220 83,554 Yes Yes Yes Yes Doctoral or professional degree No No No 25-1082 Library Science Teachers, Postsecondary 47,780 73,188 80,649 Yes Yes Yes Doctoral or professional degree No No No 25-1111 Criminal Justice and Law Enforcement Teachers, Postsecondary 46,503 59,807 60,666 Yes Yes No Doctoral or professional degree No No No 25-1113 Law Teachers, Postsecondary 44,725 139,330 206,024 Yes Yes Yes Doctoral or professional degree No No No 25-1113 Social Work Teachers, Postsecondary 60,415 69,295 76,145 Yes Yes Yes Doctoral or professional degree No No No 25-1121 Art, Drama, and Music Teachers, Postsecondary 49,811 65,578 73,152 Yes Yes Yes Doctoral or professional degree No No No 25-1123 English Language and Literature Teachers, Postsecondary 48,338 65,210 79,355 Yes Yes Yes Doctoral or professional degree No No No 25-1124 Foreign Language and Literature Teachers, Postsecondary 40,517 66,989 77,781 Yes Yes Yes Doctoral or professional degree No No No 25-1124 History Teachers, Postsecondary 45,723 55,945 75,885 Yes Yes Doctoral or professional degree No				,									No
25-1072 Nursing instructors and Teachers, Postsecondary 61,237 82,748 96,182 Yes Yes Yes Doctoral or professional degree Yes No 25-1081 Education Teachers, Postsecondary 50,111 69,220 83,554 Yes Yes Yes Doctoral or professional degree No No No 25-1111 Criminal Justice and Law Enforcement Teachers, Postsecondary 46,503 59,807 60,666 Yes Yes No Doctoral or professional degree No No No 25-1112 Law Teachers, Postsecondary 44,725 139,330 206,024 Yes Yes Yes Doctoral or professional degree No No No 25-1113 Social Work Teachers, Postsecondary 60,415 69,295 76,145 Yes Yes Yes Doctoral or professional degree No No No 25-1121 Art, Drama, and Music Teachers, Postsecondary 49,811 65,578 73,152 Yes Yes Yes Doctoral or professional degree No No No 25-1123 English Language and Literature Teachers, Postsecondary 48,338 65,210 79,355 Yes Yes Yes Doctoral or professional degree No No No 25-1124 Foreign Language and Literature Teachers, Postsecondary 40,517 66,989 77,781 Yes Yes Yes Doctoral or professional degree No No No 25-1124 Foreign Language and Literature Teachers, Postsecondary 40,517 66,989 77,781 Yes Yes Yes Doctoral or professional degree No No No 25-1124 Floriegn Language and Literature Teachers, Postsecondary 40,517 66,989 77,781 Yes Yes Yes Doctoral or professional degree No			-7	. ,	-, -				, ,				No
25-1081   Education Teachers, Postsecondary   S0,111   69,220   83,554   Yes   Yes   Ves   Doctoral or professional degree   No													No
25-1082         Library Science Teachers, Postsecondary         47,780         73,188         80,649         Yes         Yes         Yes         Doctoral or professional degree         No         No           25-1111         Cirninal Justice and Law Enforcement Teachers, Postsecondary         46,503         59,807         60,666         Yes         Yes         No         Doctoral or professional degree         No         No         No           25-1112         Law Teachers, Postsecondary         44,725         139,330         206,024         Yes         Yes         Yes         Doctoral or professional degree         No         No           25-1113         Social Work Teachers, Postsecondary         60,415         69,295         76,145         Yes         Yes         Yes         Doctoral or professional degree         No         No         No           25-1121         Art, Drama, and Music Teachers, Postsecondary         49,811         65,578         73,152         Yes         Yes         Yes         Master's degree         No         No         No           25-1122         Communications Teachers, Postsecondary         45,317         78,984         97,976         Yes         Yes         Yes         Doctoral or professional degree         No         No         No <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>No</td></t<>													No
25-1111   Criminal Justice and Law Enforcement Teachers, Postsecondary   46,503   59,807   60,666   Yes   Yes   No   Doctoral or professional degree   No   No   No   No   No   No   No	-1082												No
25-1113         Social Work Teachers, Postsecondary         60,415         69,295         76,145         Yes         Yes         Yes         Doctoral or professional degree         No         No           25-1121         Art, Drama, and Music Teachers, Postsecondary         49,811         65,578         73,152         Yes         Yes         Yes         Master's degree         No         No           25-1122         Communications Teachers, Postsecondary         45,317         78,984         97,976         Yes         Yes         Yes         Doctoral or professional degree         No         No           25-1123         English Language and Literature Teachers, Postsecondary         48,338         65,210         79,355         Yes         Yes         Yes         Doctoral or professional degree         No         No           25-1124         Foreign Language and Literature Teachers, Postsecondary         40,517         66,989         77,781         Yes         Yes         Yes         Doctoral or professional degree         No         No           25-1125         History Teachers, Postsecondary         45,723         56,945         75,885         Yes         Yes         Yes         Doctoral or professional degree         No         No	i-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	46,503	59,807	60,666					No		No	No
25-1121         Art, Drama, and Music Teachers, Postsecondary         49,811         65,578         73,152         Yes         Yes         Yes         Moster's degree         No         No           25-1122         Communications Teachers, Postsecondary         45,317         78,984         97,976         Yes         Yes         Yes         Doctoral or professional degree         No         No           25-1123         English Language and Literature Teachers, Postsecondary         48,338         65,210         79,355         Yes         Yes         Yes         Doctoral or professional degree         No         No           25-1124         Foreign Language and Literature Teachers, Postsecondary         40,517         66,989         77,781         Yes         Yes         Yes         Doctoral or professional degree         No         No           25-1125         History Teachers, Postsecondary         45,723         56,945         75,885         Yes         Yes         Yes         Doctoral or professional degree         No         No		Law Teachers, Postsecondary	44,725		206,024	Yes			Doctoral or professional degree				Yes
25-1122   Communications Teachers, Postsecondary   45,317   78,984   97,976   Yes   Yes   Yes   Doctoral or professional degree   No   No   No   S-1123   English Language and Literature Teachers, Postsecondary   48,338   65,210   79,355   Yes   Yes   Yes   Doctoral or professional degree   No   No   No   S-1124   Foreign Language and Literature Teachers, Postsecondary   40,517   66,989   77,781   Yes   Yes   Yes   Yes   Doctoral or professional degree   No   No   No   No   S-1125   History Teachers, Postsecondary   45,723   56,945   75,885   Yes   Yes   Yes   Doctoral or professional degree   No   No   No   No   No   No   No													No
25-1123         English Language and Literature Teachers, Postsecondary         48,338         65,210         79,355         Yes         Yes         Yes         Doctoral or professional degree         No         No           25-1124         Foreign Language and Literature Teachers, Postsecondary         40,517         66,989         77,781         Yes         Yes         Pes         Doctoral or professional degree         No         No           25-1125         History Teachers, Postsecondary         45,723         56,945         75,885         Yes         Yes         Pes         Doctoral or professional degree         No         No           No         No         No         No         No         No         No									Master's degree				No
25-1124 Foreign Language and Literature Teachers, Postsecondary 40,517 66,989 77,781 Yes Yes Yes Doctoral or professional degree No No 25-1125 History Teachers, Postsecondary 45,723 56,945 75,885 Yes Yes Doctoral or professional degree No No													No
25-1125 History Teachers, Postsecondary 45,723 56,945 75,885 Yes Yes Doctoral or professional degree No No													No
				,									No
2-3-12-0   Thinosophity and neighbor reachiers, rossecutivality 40,045 05/12/ //,536   YeS YeS YeS   DOCtoral of professional degree   No No													No No
25-1192 Family and Consumer Sciences Teachers, Postsecondary 37,393 73,652 84,552 Yes Yes Yes Master's degree No No													No No

Wages - Workforce Re Way 2022	egion 24	Annual M	ages (\$) by Occupat	tion	Wage Meet	or Evenade All (	Occupation Metric			Wage Mosts	or Evenode Educat	tional Level Metric
viay 2022			Average Annual	High-Level Wage	Representative	Average Annu				Representative	Average Annua	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement		Starting Wage	Wage	Threshold
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	43,414	74,075	78,136	Yes	Yes	Yes	Doctoral or professional degree	ļ ļ	No	No	No
25-1194 25-1199	Career/Technical Education Teachers, Postsecondary	35,889 38,594	47,824	47,514 78.851	Yes	No	No	Master's degree	1 1	No	No	No
25-1199 25-2011	Postsecondary Teachers, All Other Preschool Teachers, Except Special Education	38,594 23,182	65,707 32,550	78,851 34,990	Yes No	Yes No	Yes No	Doctoral or professional degree Associate's degree	+	No No	No No	No No
25-2011	Kindergarten Teachers, Except Special Education	46,852	70.889	76.446	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
25-2021	Elementary School Teachers, Except Special Education	40,451	68.322	77,628	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No.
25-2021	Middle School Teachers, Except Special and Career/Technical Education	46,936	69.850	77,772	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	67,974	76.721	77,431	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	No	No
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	48,807	71,714	77,572	Yes	Yes	Yes	Bachelor's degree	1 1	Yes	No	No
25-2032	Career/Technical Education Teachers, Secondary School	57,178	76,246	78,271	Yes	Yes	Yes	Bachelor's degree	i i	Yes	No	No
25-2051	Special Education Teachers, Preschool	39,973	65,899	76,858	Yes	Yes	Yes	Bachelor's degree	T	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	49,079	77,234	91,244	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2057	Special Education Teachers, Middle School	47,798	75,682	75,583	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2058	Special Education Teachers, Secondary School	68,001	74,233	77,791	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
25-2059	Special Education Teachers, All Other	33,604	61,286	77,258	Yes	Yes	Yes	Bachelor's degree		No	No	No
	Adult Basic Education, Adult Secondary Education, and English as a Second											
25-3011	Language Instructors	37,461	60,920	80,408	Yes	Yes	Yes	Bachelor's degree	1 1	No	No	No
25-3021 25-3031	Self-Enrichment Teachers Substitute Teachers, Short-Term	22,794	41,678	50,573	No	No	No	Some college, no degree	1 1	No	No	Yes
25-3031	Tutors	26,255 20,800	32,537 36,426	30,306 45,038	No No	No No	No No	Bachelor's degree Bachelor's degree	+	No No	No No	No No
25-3041	Teachers and Instructors, All Other	20,800	36,426 64,720	45,038 77.186	No No	Yes	Yes		+	No No	No No	No No
25-4011	Archivists	27,143	46,351	77,186 55,350	No	Yes No	Yes No	Bachelor's degree Master's degree	1 - 1	No	No No	No No
25-4011	Curators	28,946	46,351 54.584	65,120	No No	Yes	Yes	Master's degree Master's degree	1 - 1	No No	No	No No
25-4012	Museum Technicians and Conservators	30.109	54,584 49.778	62,810	No	No.	Yes	Bachelor's degree	+	No	No	No No
25-4022	Librarians and Media Collections Specialists	44.990	65.849	78.871	Yes	Yes	Yes	Master's degree	$\Box$	No	No	No
25-4031	Library Technicians	28.540	41.100	50,666	No.	No.	No.	Associate's degree	1 1	No	No.	No
25-9021	Farm and Home Management Educators	27,832	46,707	58,261	No	No	No	Master's degree	1 1	No	No	No
25-9031	Instructional Coordinators	47.840	98.168	95.710	Yes	Yes	Yes	Master's degree	1 1	No	Yes	No
25-9044	Teaching Assistants, Postsecondary	20,884	32,445	40,369	No	No	No	Bachelor's degree	H	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	23,042	30,914	30,774	No	No	No	Some college, no degree	1 1	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	28,578	63,920	79,091	No	Yes	Yes	Bachelor's degree	i i	No	No	No
27-1011	Art Directors	52,000	89,999	100,176	Yes	Yes	Yes	Bachelor's degree		Yes	No	No
27-1012	Craft Artists	20,953	33,835	39,019	No	No	No	Some college, no degree		No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	28,540	71,528	79,396	No	Yes	Yes	Bachelor's degree		No	No	No
27-1014	Special Effects Artists and Animators	45,295	73,324	79,364	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1019	Artists and Related Workers, All Other	26,088	50,215	58,395	No	No	No	Some college, no degree		No	Yes	Yes
27-1021	Commercial and Industrial Designers	22,823	44,622	60,092	No	No	No	Bachelor's degree		No	No	No
27-1022	Fashion Designers	39,239	74,203	77,992	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-1023	Floral Designers	26,925	38,789	45,241	No	No	No	High school diploma or equivalent		No	No	No
27-1024	Graphic Designers	32,982	53,248	61,178	No	No	Yes	Bachelor's degree	1 1	No	No	No
27-1025 27-1026	Interior Designers  Merchandise Displayers and Window Trimmers	36,568	69,406	84,131	Yes	Yes	Yes	Bachelor's degree	1	No	No	No
27-1026	Set and Exhibit Designers	26,766	36,545	39,669	No	No No	No No	Some college, no degree	1 1	No No	No No	No No
27-1027	Designers, All Other	25,378 29.120	33,892 46,370	42,474 52,002	No No	No	No	Bachelor's degree Bachelor's degree	+	No	No	No
27-2011	Actors	29,685	33,854	31,627	No	No	No	Some college, no degree	+	Yes	No	No
27-2011	Producers and Directors	33.825	62,462	80,817	Yes	Yes	Yes	Bachelor's degree	+	No	No	No
27-2012	Athletes and Sports Competitors	30,983	186.098	206,030	No.	Yes	Yes	Some college, no degree	+	Yes	Yes	Yes
27-2022	Coaches and Scouts	27,746	60,343	63,706	No	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	21,988	41.632	44.813	No	No	No	Some college, no degree	1 1	No	No	No
27-2031	Dancers	29,685	33,854	31,627	No	No	No	High school diploma or equivalent	i i	No	No	No
27-2032	Choreographers	29,685	33,854	31,627	No	No	No	Some college, no degree	I	Yes	No	No
27-2041	Music Directors and Composers	26,753	76,579	85,013	No	Yes	Yes	Bachelor's degree	I	No	No	No
27-2042	Musicians and Singers	29,685	33,854	31,627	No	No	No	Some college, no degree		Yes	No	No
27-2091	Disc Jockeys, Except Radio	21,880	59,824	59,243	No	Yes	No	Bachelor's degree		No	No	No
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	21,880	59,824	59,243	No	Yes	No	Some college, no degree		No	Yes	Yes
27-3011	Broadcast Announcers and Radio Disc Jockeys	21,269	45,689	51,004	No	No	No	Bachelor's degree		No	No	No
27-3023	News Analysts, Reporters, and Journalists	37,683	63,503	78,548	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3031	Public Relations Specialists	34,217	63,177	78,166	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3041	Editors	39,124	70,746	83,604	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3042	Technical Writers	42,623	69,421	79,652	Yes	Yes	Yes	Bachelor's degree		No	No	No
27-3043	Writers and Authors	35,143	60,088	64,312	Yes	Yes	Yes	Bachelor's degree	1 .	No	No	No
27-3091 27-3092	Interpreters and Translators  Court Reporters and Simultaneous Captioners	36,280	51,972	56,175 62,344	Yes	No	No	Bachelor's degree		No	No	No
27-3092 27-3099	Court Reporters and Simultaneous Captioners  Media and Communication Workers, All Other	27,601 20.845	50,916 46,548	62,344 57.607	No No	No No	Yes No	Postsecondary nondegree award	1 - 1	No No	Yes No	Yes No
27-3099	Audio and Video Technicians	20,845	46,548	57,607 52,551	No No	No No	No No	Associate's degree Associate's degree	$\vdash$	No No	No No	No No
27-4011	Broadcast Technicians	26,689	44,203	52,551	No No	No No	No No	Associate's degree Associate's degree	1 - 1	No No	No No	No No
27-4012	Sound Engineering Technicians	24,051	50,252	61,071	No	No	Yes	Associate's degree Associate's degree	$\vdash$	No	No	No
27-4015	Lighting Technicians	27,071	48.569	59,775	No	No	No Yes	Associate's degree	1 1	No	No	No No
27-4021	Photographers	28,226	43,662	50,241	No	No	No	Some college, no degree	1 1	No	Yes	Yes
27-4031	Camera Operators, Television, Video, and Film	33,508	44,487	54,928	Yes	No	No	Bachelor's degree	$\Box$	No	No	No.
27-4032	Film and Video Editors	29,626	54,215	73,442	No	Yes	Yes	Bachelor's degree	1 1	No	No	No
27-4099	Media and Communication Equipment Workers, All Other	27,517	66,319	91,244	No	Yes	Yes	Associate's degree	1 1	No	Yes	Yes
29-1011	Chiropractors	39,873	84,252	101,054	Yes	Yes	Yes	Doctoral or professional degree	1 1	No	No	No
29-1021	Dentists, General	98,651	199,509	227,049	Yes	Yes	Yes	Doctoral or professional degree		Yes	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	51,772	224,030	*	Yes	Yes	Yes*	Doctoral or professional degree	1 1	No	Yes	Yes*
29-1023	Orthodontists	69,394	168,463	209,828	Yes	Yes	Yes	Doctoral or professional degree		No	Yes	Yes
29-1024	Prosthodontists	51,772	224,030	*	Yes	Yes	Yes*	Doctoral or professional degree	1 1	No	Yes	Yes*
29-1029	Dentists, All Other Specialists	202,072	259,862	*	Yes	Yes	Yes*	Doctoral or professional degree		Yes	Yes	Yes*
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Wages - Workforce Re May 2022	egion 24	A	ages (\$) by Occupat	d	14/ 844	F d- All (	Occupation Metric	T	1 14/-	M	eds Educational Level Metric
way 2022			Average Annual	High-Level Wage	Representative	Average Annu			Represe		age Annual High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting		
29-1031	Dietitians and Nutritionists	39,059	63,563	72,821	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1041 29-1051	Optometrists Pharmacists	55,798 64.932	121,814 124.054	162,270 139,942	Yes Yes	Yes	Yes Yes	Doctoral or professional degree	No No	No No	Yes No
29-1051	Physician Assistants	70,899	119.432	139,942	Yes	Yes	Yes	Doctoral or professional degree  Master's degree	Yes	Yes	Yes
29-1071	Podiatrists	45,529	166.129	197,314	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1122	Occupational Therapists	69,992	92,839	99,793	Yes	Yes	Yes	Master's degree	Yes	No	No
29-1123	Physical Therapists	56,506	91,824	102,629	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	62,732	84,296	88,573	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1125	Recreational Therapists	36,794	49,654	52,472	Yes	No	No	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	61,049	71,940	77,557	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127 29-1128	Speech-Language Pathologists	67,935	94,432	101,411	Yes	Yes	Yes No	Master's degree	Yes	Yes	No.
29-1128	Exercise Physiologists Therapists, All Other	50,251 36,555	54,126 56,833	56,171 59,490	Yes Yes	Yes	No	Master's degree Bachelor's degree	No No	No No	No No
29-1131	Veterinarians	61,488	116,836	137.042	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	61,563	79,522	81,834	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	147,478	179,260	207,873	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	65,047	108,641	118,405	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1171	Nurse Practitioners	85,231	122,652	130,042	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	61,095	93,659	105,880	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	102,499	295,651	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1212	Cardiologists	177,836 44.466	422,622	*	Yes Yes	Yes	Yes*	Doctoral or professional degree	Yes No	Yes	Yes*
29-1213	Dermatologists Emergency Medicine Physicians	44,466 208.506	236,377			Yes	Yes* Yes*	Doctoral or professional degree		Yes Yes	Yes* Yes*
29-1214 29-1215	Family Medicine Physicians	208,506	374,985 153,205	209,597	Yes Yes	Yes	Yes* Yes	Doctoral or professional degree  Doctoral or professional degree	Yes Yes	Yes No	Yes* Yes
29-1215	General Internal Medicine Physicians	176,487	263,976	209,597	Yes	Yes	Yes*	Doctoral or professional degree  Doctoral or professional degree	Yes	Yes	Yes*
29-1217	Neurologists	76,151	244,285	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1218	Obstetricians and Gynecologists	61,371	256,219	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1221	Pediatricians, General	160,695	227,911	234,792	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1222	Physicians, Pathologists	68,848	230,310	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1223	Psychiatrists	47,609	160,387	208,147	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1224	Radiologists	50,146	300,037	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1229	Physicians, All Other	97,568	306,273	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1241	Ophthalmologists, Except Pediatric	106,612	194,867	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1242 29-1243	Orthopedic Surgeons, Except Pediatric	109,390	379,803 315.806	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1243	Pediatric Surgeons Surgeons, All Other	64,062 64,062	315,806	*	Yes Yes	Yes	Yes* Yes*	Doctoral or professional degree  Doctoral or professional degree	No No	Yes Yes	Yes* Yes*
29-1291	Acupuncturists	39,774	129,859	210.383	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-1292	Dental Hygienists	63.865	82,533	93.840	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1299	Healthcare Diagnosing or Treating Practitioners, All Other	75,831	188,196	70,862	Yes	Yes	Yes	Master's degree	Yes	Yes	No
29-2010	Clinical Laboratory Technologists and Technicians	36,386	60,778	74,141	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	34,689	59,046	77,116	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2032	Diagnostic Medical Sonographers	60,510	77,725	82,745	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	67,122	79,890	83,420	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034 29-2035	Radiologic Technologists and Technicians  Magnetic Resonance Imaging Technologists	47,210 34,542	64,759 53,329	73,634 77,378	Yes Yes	Yes No	Yes Yes	Associate's degree	Yes No	Yes No	Yes Yes
29-2036	Medical Dosimetrists	99,562	125,956	140,020	Yes	Yes	Yes	Associate's degree Postsecondary nondegree award	Yes	Yes	Yes
29-2042	Emergency Medical Technicians	29.102	41.149	46,435	No.	No	No	Postsecondary nondegree award	No	No	No.
29-2043	Paramedics	37,125	61,021	81,525	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2051	Dietetic Technicians	29,661	33,067	34,116	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	31,350	39,055	43,573	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	28,359	40,419	47,143	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	40,054	55,628	62,967	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	29,150	38,946	45,890	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	28,875	44,912	56,680	No	No	No	Postsecondary nondegree award	No	No	Yes
29-2061 29-2072	Licensed Practical and Licensed Vocational Nurses  Medical Records Specialists	45,670 31.832	53,303 47.627	58,406 57.102	Yes	No No	No No	Postsecondary nondegree award	Yes	Yes	Yes
29-2072	Opticians, Dispensing	31,832	50,542	61,533	No No	No No	Yes	Postsecondary nondegree award Postsecondary nondegree award	No No	Yes Yes	Yes Yes
29-2091	Orthotists and Prosthetists	65.354	91,903	115.390	Yes	Yes	Yes	Master's degree	Yes	No	Yes
29-2092	Hearing Aid Specialists	31,237	53,123	68,588	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
29-2099	Health Technologists and Technicians, All Other	33,827	48,279	60,691	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-9021	Health Information Technologists and Medical Registrars	35,076	55,029	62,699	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	39,777	56,176	61,480	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	50,698	87,489	101,494	Yes	Yes	Yes	Master's degree	No	No	No
29-9093	Surgical Assistants	34,182	57,110	70,412	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-9099	Healthcare Practitioners and Technical Workers, All Other	28,533	48,142	55,885	No No	No No	No No	Postsecondary nondegree award	No	Yes	Yes
31-1120 31-1131	Home Health and Personal Care Aides  Nursing Assistants	23,639 28,508	31,750 33,891	33,314 36,139	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
31-1131	Orderlies	28,508	33,891	36,139	No No	No No	No No	Postsecondary nondegree award High school diploma or equivalent	No No	No No	No No
31-1133	Psychiatric Aides	26,453	32,070	34,130	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	52,915	68,827	74,582	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	29,508	55,212	67,334	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
31-2021	Physical Therapist Assistants	46,695	67,141	73,439	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	25,014	35,311	43,813	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	27,549	52,097	56,905	No	No	No	Postsecondary nondegree award	No	Yes	Yes
31-9091	Dental Assistants	36,838	46,855	49,925	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
31-9092	Medical Assistants	31,200	38,924	42,440	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	31,033	38,074	42,849	No	No	No No	High school diploma or equivalent	Yes	No	No.
31-9094	Medical Transcriptionists	23,777	34,085	37,258	No	No	No	Postsecondary nondegree award	No	No	No

Wages - Workforce Re Way 2022	egion 24	Annual W	ages (\$) by Occupat	tion	Wage N	leets or Exceeds All C	Occupation Matric	1		Wage Mosts	or Evenade Educa	tional Level Metric
viay 2022			ages (\$) by Occupat Average Annual	High-Level Wage	Representativ				Rep	resentative	Average Annu	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage		Threshold	Educational Requirement		ting Wage	Wage	Threshold
								·				
31-9095	Pharmacy Aides	24,157	33,362	37,817	No	No	No	High school diploma or equivalent	No		No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	27,807	33,922	36,554	No	No	No	High school diploma or equivalent	No		No	No
31-9097 31-9099	Phlebotomists	31,414 27,687	37,807 38.825	38,323 45.713	No No	No No	No No	Postsecondary nondegree award	No		No No	No No
31-9099	Healthcare Support Workers, All Other First-Line Supervisors of Correctional Officers	,	,	-, -				High school diploma or equivalent	No			
33-1011	First-Line Supervisors of Correctional Officers  First-Line Supervisors of Police and Detectives	42,099 57,970	60,705 80.835	74,811 96,705	Yes Yes	Yes Yes	Yes Yes	Some college, no degree Bachelor's degree	Yes Yes		Yes No	Yes No
33-1012	First-Line Supervisors of Frefighting and Prevention Workers	62,611	95,859	102,275	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
33-1021	First-Line Supervisors of Security Workers	31.792	50.328	60.085	No.	No	No	Bachelor's degree	No		No	No.
33-1099	First-Line Supervisors of Protective Service Workers, All Other	45,484	60,859	68,214	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
33-2011	Firefighters	37,063	57,084	73,609	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
33-2021	Fire Inspectors and Investigators	44,730	68,714	78,546	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	54,857	90,209	101,839	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
33-3011	Bailiffs	28,759	54,571	64,269	No	Yes	Yes	High school diploma or equivalent	No		Yes	Yes
33-3012	Correctional Officers and Jailers	34,712	42,781	47,618	Yes	No	No	High school diploma or equivalent	Yes		No	No
33-3021	Detectives and Criminal Investigators	43,938	72,919	82,763	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
33-3031	Fish and Game Wardens	26,650	28,897	29,064	No	No	No	Bachelor's degree	No		No	No
33-3041	Parking Enforcement Workers	35,448	39,292	40,893	Yes	No	No	High school diploma or equivalent	Yes		No	No
33-3051	Police and Sheriff's Patrol Officers	46,585	63,413	76,522	Yes	Yes	Yes	Associate's degree	Yes		Yes	Yes
33-3052	Transit and Railroad Police	58,858	73,129	60,021	Yes	Yes	No	Associate's degree	Yes		Yes	No
33-9011 33-9021	Animal Control Workers	27,289	38,593	42,798	No	No	No	Postsecondary nondegree award	No		No	No
33-9021 33-9031	Private Detectives and Investigators Gambling Surveillance Officers and Gambling Investigators	33,280 27,961	53,384 35.116	58,136 38,063	No No	No No	No No	Bachelor's degree	No No		No No	No No
33-9031	Security Guards	27,961	32,017	34,665	No No	No No	No	High school diploma or equivalent High school diploma or equivalent	No No		No	No No
33-9032	Crossing Guards and Flaggers	23,411	32,017	34,665	No No	No No	NO No	No formal educational credential	Yes		No No	No No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	21,017	28.655	34,610	No	No	No	No formal educational credential	No		No	No
33-9093	Transportation Security Screeners	37.024	44.952	47,382	Yes	No	No	High school diploma or equivalent	Yes		No	No
33-9094	School Bus Monitors	22,170	27,340	28,398	No	No	No	High school diploma or equivalent	No		No	No
33-9099	Protective Service Workers, All Other	24,817	39,963	46,821	No	No	No	High school diploma or equivalent	No		No	No
35-1011	Chefs and Head Cooks	35,661	62,873	74,219	Yes	Yes	Yes	Associate's degree	No		Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	28,804	42,557	48,621	No	No	No	High school diploma or equivalent	No		No	No
35-2011	Cooks, Fast Food	22,764	27,693	29,220	No	No	No	No formal educational credential	No		No	No
35-2012	Cooks, Institution and Cafeteria	25,153	33,759	36,926	No	No	No	No formal educational credential	Yes		Yes	Yes
35-2013	Cooks, Private Household	31,883	58,011	71,483	No	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
35-2014	Cooks, Restaurant	28,145	34,217	36,954	No	No	No	High school diploma or equivalent	No		No	No
35-2015	Cooks, Short Order	24,900	31,801	35,054	No	No	No	No formal educational credential	Yes		No	No
35-2019	Cooks, All Other	27,628	35,894	38,009	No	No	No	No formal educational credential	Yes		Yes	Yes
35-2021	Food Preparation Workers	23,777	31,668	35,830	No	No	No	No formal educational credential	No		No	No
35-3011 35-3023	Bartenders	21,283	34,825	38,081	No	No	No	No formal educational credential	No		Yes	Yes
35-3023	Fast Food and Counter Workers Waiters and Waitresses	22,518 21,419	26,483 33.643	28,275 36.787	No No	No No	No No	No formal educational credential  No formal educational credential	No No		No Yes	No Yes
35-3041	Food Servers, Nonrestaurant	23,220	28,436	30,782	No	No	No	No formal educational credential	No		No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	21,349	28,872	32,378	No	No	No	No formal educational credential	No		No	No
35-9021	Dishwashers	22,216	27,888	29,750	No	No	No	No formal educational credential	No		No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	21,811	29,040	30,270	No	No	No	No formal educational credential	No		No	No
35-9099	Food Preparation and Serving Related Workers, All Other	22,387	28,204	29,490	No	No	No	No formal educational credential	No		No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	29,610	46,747	54,286	No	No	No	High school diploma or equivalent	No		No	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	35,899	54,787	62,976	Yes	Yes	Yes	Some college, no degree	Yes		Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	23,235	30,304	33,973	No	No	No	High school diploma or equivalent	No		No	No
37-2012	Maids and Housekeeping Cleaners	23,964	30,421	34,068	No	No	No	No formal educational credential	No		No	No
37-2019	Building Cleaning Workers, All Other	24,087	29,981	32,721	No	No	No	No formal educational credential	No		No	No
37-2021	Pest Control Workers	31,302	42,606	47,002	No	No	No	High school diploma or equivalent	Yes		No	No
37-3011	Landscaping and Groundskeeping Workers	28,670	34,403	36,886	No	No	No	No formal educational credential	Yes		Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	28,537	39,518	44,701	No	No	No	High school diploma or equivalent	No		No	No
37-3013 37-3019	Tree Trimmers and Pruners Grounds Maintenance Workers, All Other	30,150 21,380	43,383 35.144	51,963 37.617	No	No No	No No	High school diploma or equivalent	No No		No	No
37-3019	First-Line Supervisors of Gambling Services Workers	21,380	35,144 59,183	37,617 77,093	No No			No formal educational credential	No Yes		Yes	Yes
33-1013	First-Line Supervisors of Gambling Services Workers First-Line Supervisors of Entertainment and Recreation Workers, Except	30,302	59,183	77,093	NO	Yes	Yes	Some college, no degree	res		Yes	Yes
39-1014	Gambling Services	30.473	52,540	60.726	No	No	No	Some college, no degree	Yes		Yes	Yes
39-1022	First-Line Supervisors of Personal Service Workers	31,161	48,743	57.849	No	No	No	Some college, no degree	Yes		Yes	Yes
39-2011	Animal Trainers	24,540	32,173	32,023	No	No	No	High school diploma or equivalent	No		No	No
39-2021	Animal Caretakers	23,365	30,500	30,697	No	No	No	High school diploma or equivalent	No		No	No
39-3011	Gambling Dealers	23,569	43,500	65,695	No	No	Yes	High school diploma or equivalent	No		No	Yes
39-3012	Gambling and Sports Book Writers and Runners	21,121	28,187	30,326	No	No	No	High school diploma or equivalent	No		No	No
39-3019	Gambling Service Workers, All Other	20,500	31,923	37,117	No	No	No	High school diploma or equivalent	No		No	No
39-3021	Motion Picture Projectionists	31,361	37,905	42,380	No	No	No	No formal educational credential	Yes		Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	21,442	26,482	29,011	No	No	No	No formal educational credential	No		No	No
39-3091	Amusement and Recreation Attendants	21,442	26,533	29,235	No	No	No	No formal educational credential	No		No	No
39-3092	Costume Attendants	25,487	40,941	47,642	No	No	No	High school diploma or equivalent	No		No	No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	25,011	33,822	37,502	No	No	No	High school diploma or equivalent	No		No	No
39-3099	Entertainment Attendants and Related Workers, All Other	22,954	28,572	28,621	No	No	No	High school diploma or equivalent	No		No	No
39-4011	Embalmers	32,199	46,016	51,555	No	No	No	Associate's degree	No		No	No
39-4012	Crematory Operators	30,632	39,038	46,657	No	No	No	High school diploma or equivalent	No		No	No
39-4021 39-4031	Funeral Attendants  Mortisians, Undertakers, and Europeal Assangers	23,596	31,191	34,760	No	No	No	High school diploma or equivalent	No		No	No
39-4031 39-5011	Morticians, Undertakers, and Funeral Arrangers  Barbers	35,846 21,525	59,201 33,293	77,336 36.752	Yes	Yes	Yes	Associate's degree	No		Yes	Yes
39-5011 39-5012	Hairdressers, Hairstylists, and Cosmetologists	21,525	33,293 39,254	36,752 47.734	No No	No No	No No	Postsecondary nondegree award	No No		No No	No No
39-5012	Makeup Artists, Theatrical and Performance	23,243 37.126	39,254 43.138	47,734 38.260	Yes	No No	No No	Postsecondary nondegree award Postsecondary nondegree award	Yes		No No	No No
39-5092	Manicurists and Pedicurists	22,581	34,627	36,497	No	No	No	Postsecondary nondegree award  Postsecondary nondegree award	No		No	No
33 3032	municurios and rediculists	22,301	34,027	30,437	140	140	140	. ostoccondary nondegree award	INU		.40	140

Wages - Workforce Re	egion 24						1				
May 2022			ages (\$) by Occupat Average Annual	High-Level Wage	Representative	Average Annu	Occupation Metric		Represer		Educational Level Metric Annual High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting V		Threshold
			-					·			
39-5093	Shampooers	20,500	24,186	26,098	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	23,705	47,818	58,047	No	No	No	Postsecondary nondegree award	No	Yes	Yes
39-6011	Baggage Porters and Bellhops	20,800	28,690	33,010	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	26,775	35,743	39,050	No	No	No	High school diploma or equivalent	No	No	No
39-7010 39-9011	Tour and Travel Guides Childcare Workers	24,539 22.627	36,799	41,448 32.044	No	No	No No	High school diploma or equivalent	No	No	No No
39-9011	Exercise Trainers and Group Fitness Instructors	22,627	30,038 45,719	55,942	No No	No No	No No	High school diploma or equivalent	No No	No No	No Yes
39-9032	Recreation Workers	21,595	32.114	37,093	No No	No	No	Postsecondary nondegree award Bachelor's degree	No	No No	No Yes
39-9041	Residential Advisors	27,198	40,954	48,630	No	No	No	Some college, no degree	No	No	Yes
39-9099	Personal Care and Service Workers, All Other	21.094	37,218	51.034	No.	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	30,670	51,278	59,145	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	45.803	93,913	105,335	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	22,434	27,459	29,144	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	20,924	32,800	33,982	No	No	No	No formal educational credential	No	No	No
41-2021	Counter and Rental Clerks	23,551	35,785	38,672	No	No	No	No formal educational credential	No	Yes	Yes
41-2022	Parts Salespersons	23,304	37,894	44,303	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	22,866	33,507	35,174	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	32,424	71,818	76,889	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-3021	Insurance Sales Agents	37,459	81,995	82,386	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	39,338	76,109	76,482	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	26,229	51,311	59,987	No	No	No	Some college, no degree	No	Yes	Yes
44 2004	Sales Representatives of Services, Except Advertising, Insurance, Financial	24.020	50.00-	75.5				1	1 1		
41-3091	Services, and Travel	31,028	63,903	75,573	No	Yes	Yes	Bachelor's degree	No	No	No
41 4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific	42.027	404.072	404 406	V	V	V	Deskalada da sera	1 1		V-
41-4011	Products  Sales Representatives, Wholesale and Manufacturing, Except Technical and	42,927	104,973	134,426	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Scientific Products	32.049	70.335	77.935	N-	V	V	S	V	V	V
41-4012		32,049 20.800	70,335	77,935 38,577	No No	Yes No	Yes No	Some college, no degree	Yes No	Yes	Yes Yes
41-9012	Demonstrators and Product Promoters  Models	21,663	32,208	34,633	No No	No	No	No formal educational credential  High school diploma or equivalent	No	Yes No	No No
41-9021	Real Estate Brokers	33,715	91,681	128,577	Yes	Yes	Yes		Yes	Yes	Yes
41-9022	Real Estate Sales Agents	28.103	65,696	73.880	No.	Yes	Yes	Postsecondary nondegree award	No.	Yes	Yes
41-9031	Sales Engineers	58.905	122.304	136.600	Yes	Yes	Yes	Postsecondary nondegree award Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	25,011	37.747	33.412	No	No	No.	High school diploma or equivalent	No.	No	No No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	21,249	34,968	49,200	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	22,162	37,530	34,748	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	37.723	62,762	74.901	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	25,555	32,761	35,859	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	25.684	30.858	33.785	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	22,895	48,480	56,858	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-3011	Bill and Account Collectors	31,234	41,692	46,432	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	28,201	40,122	44,967	No	No	No	High school diploma or equivalent	No	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	29,914	45,699	52,000	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	21,870	31,588	37,580	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	36,562	44,949	49,044	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	21,392	38,704	46,389	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	32,910	38,066	44,396	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	40,226	51,933	54,609	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	37,306	55,706	62,400	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	32,957	36,811	40,014	No	No	No	High school diploma or equivalent	Yes	No	No
43-4031	Court, Municipal, and License Clerks	31,350	42,501	46,647	No	No	No	Some college, no degree	Yes	No	No
43-4041	Credit Authorizers, Checkers, and Clerks	32,616	47,917	56,005	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	28,251	38,314	42,214	No	No	No	High school diploma or equivalent	No	No	No
43-4061 43-4071	Eligibility Interviewers, Government Programs	27,165 20.800	35,879 38,338	39,270 46.180	No No	No No	No No	High school diploma or equivalent	No No	No No	No
43-4071 43-4081	File Clerks Hotel, Motel, and Resort Desk Clerks	20,800	38,338 30,809	46,180 33.618		No No	No No	High school diploma or equivalent	No No	No No	No No
43-4081	Interviewers, Except Eligibility and Loan	24,138 30.458	30,809 39,288	33,618 42,778	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
43-4111	Library Assistants, Clerical	23,481	39,288 35,885	42,778 38.232	No No	No No	No No	High school diploma or equivalent  Some college, no degree	No No	No No	No No
43-4121	Loan Interviewers and Clerks	23,481 35.881	48,263	58,232 58,567	Yes	No No	No No	High school diploma or equivalent	Yes	Yes	No Yes
43-4141	New Accounts Clerks	28,088	41,816	43.507	No	No	No	High school diploma or equivalent	No	No	No No
43-4151	Order Clerks	26,282	36,404	39,882	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	32,328	43.823	47.619	No.	No	No	Associate's degree	No	No	No No
43-4171	Receptionists and Information Clerks	24,942	33,519	37,048	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	28,556	44.148	52,318	No.	No	No	High school diploma or equivalent	No	No	No No
43-4199	Information and Record Clerks, All Other	28,763	40,608	47,752	No	No	No	High school diploma or equivalent	No	No	No
43-5011	Cargo and Freight Agents	33,070	50,468	57,640	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	29,657	34,120	35,823	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	38,553	47,073	50,961	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	30,310	46,332	55,087	No	No	No	High school diploma or equivalent	No	No	Yes
43-5041	Meter Readers, Utilities	27,596	46,681	61,560	No	No	Yes	High school diploma or equivalent	No	No	Yes
43-5051	Postal Service Clerks	39,770	55,335	68,307	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	39,645	55,745	71,344	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	38,584	55,002	68,307	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	31,091	50,272	58,942	No	No	No	Some college, no degree	Yes	Yes	Yes
	Shipping, Receiving, and Inventory Clerks	26,513	37,772	43,517	No	No	No	High school diploma or equivalent	No	No	No
43-5071											
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	29,100	39,218	42,793	No	No	No	High school diploma or equivalent	No	No	No
43-5111 43-6011	Executive Secretaries and Executive Administrative Assistants	29,100 37,379	57,169	65,524	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-5111		29,100									

Wages - Workforce Re May 2022	egion 24	A114	/ages (\$) by Occupat		1 100	Meets or Exceeds All (	O	T		14/ 84	F d- F-l	tional Level Metric
way 2022			Average Annual	High-Level Wage	Representati				Rec	resentative	Average Annu	
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wag		Threshold	Educational Requirement		rting Wage	Wage	Threshold
43-6014 43-9021	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	26,873	39,185	45,803	No	No	No	High school diploma or equivalent	No		No	No
43-9021	Data Entry Keyers Word Processors and Typists	27,184 27,394	36,580 32,885	40,148 37,103	No No	No No	No No	High school diploma or equivalent	No No		No No	No No
43-9022	Desktop Publishers	26,421	52,865	69.885	No	No	Yes	High school diploma or equivalent Associate's degree	No		No	Yes
43-9041	Insurance Claims and Policy Processing Clerks	31,014	45,076	48,864	No	No	No	High school diploma or equivalent	Yes		No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	23,308	33,411	39,129	No	No	No	High school diploma or equivalent	No		No	No
43-9061	Office Clerks, General	26,867	40,820	47,534	No	No	No	High school diploma or equivalent	No		No	No
43-9071	Office Machine Operators, Except Computer	22,422	34,230	40,306	No	No	No	High school diploma or equivalent	No		No	No
43-9081 43-9111	Proofreaders and Copy Markers Statistical Assistants	28,067 34,948	34,913 45,317	35,522 50,235	No	No No	No No	Bachelor's degree	No		No	No
43-9111	Office and Administrative Support Workers, All Other	29,120	43,139	46,215	Yes No	No	No No	Bachelor's degree Some college, no degree	No Yes		No Yes	No No
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	33.020	59.427	74.854	No	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
45-2011	Agricultural Inspectors	27,040	32,205	31,595	No	No	No	Bachelor's degree	No		No	No
45-2021	Animal Breeders	26,660	36,712	38,831	No	No	No	High school diploma or equivalent	No		No	No
45-2041	Graders and Sorters, Agricultural Products	22,224	26,172	27,578	No	No	No	No formal educational credential	No		No	No
45-2091	Agricultural Equipment Operators	26,980	36,487	39,514	No	No	No	No formal educational credential	Yes		Yes	Yes
45-2092 45-2093	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	23,514	28,314	29,347	No	No No	No No	No formal educational credential	No		No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals Agricultural Workers, All Other	26,384 22,262	35,441 29,622	42,419 27,206	No No	No No	No No	No formal educational credential  No formal educational credential	Yes No		Yes No	Yes No
45-3031	Fishing and Hunting Workers	26,384	35,441	42,419	No	No	No	No formal educational credential	Yes		Yes	Yes
45-4011	Forest and Conservation Workers	32,258	41,650	49,141	No	No	No	Postsecondary nondegree award	Yes		No	No
45-4021	Fallers	38,585	45,839	51,841	Yes	No	No	High school diploma or equivalent	Yes		No	No
45-4022	Logging Equipment Operators	28,158	40,487	47,869	No	No	No	High school diploma or equivalent	No		No	No
45-4023	Log Graders and Scalers	21,998	25,930	26,975	No	No	No	High school diploma or equivalent	No		No	No
45-4029 47-1011	Logging Workers, All Other First-Line Supervisors of Construction Trades and Extraction Workers	45.668	68.841	70.075	v			1				
47-2011	Boilermakers	45,668	46.174	78,275 56.177	Yes No	Yes	Yes No	Some college, no degree High school diploma or equivalent	Yes No		Yes No	Yes Yes
47-2011	Brickmasons and Blockmasons	31.200	45,202	51,668	No	No	No	High school diploma or equivalent	Yes		No	No
47-2022	Stonemasons	29,341	44,269	56,962	No	No	No	High school diploma or equivalent	No		No	Yes
47-2031	Carpenters	33,099	46,338	50,259	No	No	No	Postsecondary nondegree award	Yes		No	No
47-2041	Carpet Installers	35,647	44,738	48,939	Yes	No	No	No formal educational credential	Yes		Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	35,411	44,364	52,898	Yes	No	No	No formal educational credential	Yes		Yes	Yes
47-2043	Floor Sanders and Finishers	23,939	38,782	48,303	No	No	No	No formal educational credential	No		Yes	Yes
47-2044 47-2051	Tile and Stone Setters Cement Masons and Concrete Finishers	33,670 30,815	45,830 43,975	49,509 49,313	Yes	No No	No No	No formal educational credential  No formal educational credential	Yes Yes		Yes Yes	Yes Yes
47-2053	Terrazzo Workers and Finishers	34,623	51.191	56.946	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
47-2061	Construction Laborers	29,125	38,019	42,023	No	No	No	No formal educational credential	Yes		Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	31,087	41,605	45,571	No	No	No	High school diploma or equivalent	Yes		No	No
47-2072	Pile Driver Operators	37,969	47,128	48,607	Yes	No	No	High school diploma or equivalent	Yes		No	No
47-2073	Operating Engineers and Other Construction Equipment Operators	35,914	46,163	49,748	Yes	No	No	High school diploma or equivalent	Yes		No	No
47-2081 47-2082	Drywall and Ceiling Tile Installers	26,499	39,465	48,914	No	No	No	No formal educational credential	Yes		Yes	Yes
47-2082 47-2111	Tapers Electricians	28,187 36,762	41,364 50.156	46,430 56,976	No Yes	No No	No No	No formal educational credential	Yes Yes		Yes	Yes Yes
47-2111	Glaziers	30,712	43,636	48,501	No	No	No	Postsecondary nondegree award  High school diploma or equivalent	No		No	No No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	30,492	44,807	49,361	No	No	No	High school diploma or equivalent	No		No	No
47-2132	Insulation Workers, Mechanical	36,268	45,083	48,330	Yes	No	No	High school diploma or equivalent	Yes		No	No
47-2141	Painters, Construction and Maintenance	30,453	39,803	44,485	No	No	No	No formal educational credential	Yes		Yes	Yes
47-2142	Paperhangers	29,222	36,446	43,887	No	No	No	No formal educational credential	Yes		Yes	Yes
47-2151 47-2152	Pipelayers	36,580	43,519	46,826	Yes	No	No	No formal educational credential	Yes		Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters Plasterers and Stucco Masons	35,856 27,931	49,873 41,475	57,095 47,774	Yes No	No No	No No	No formal educational credential	Yes		Yes	Yes Yes
47-2101	Reinforcing Iron and Rebar Workers	39.602	52.326	59,468	Yes	No	No	High school diploma or equivalent	Yes		Yes	Yes
47-2181	Roofers	27,803	42,875	48,627	No	No	No	No formal educational credential	Yes		Yes	Yes
47-2211	Sheet Metal Workers	36,205	46,073	50,827	Yes	No	No	High school diploma or equivalent	Yes		No	No
47-2221	Structural Iron and Steel Workers	31,751	50,605	57,036	No	No	No	High school diploma or equivalent	Yes		Yes	Yes
47-2231	Solar Photovoltaic Installers	35,017	42,843	46,135	Yes	No	No	High school diploma or equivalent	Yes		No	No
47-3011	HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	20,800	33,686	37,024	No	No	No	No formal educational credential	No		Yes	Yes
47-3012 47-3013	HelpersCarpenters	29,120 29,834	33,549 36,405	35,461 38.137	No No	No No	No No	No formal educational credential	Yes No		Yes No	No No
47-3013	HelpersElectricians HelpersPainters, Paperhangers, Plasterers, and Stucco Masons	29,834	32,834	34,247	No	No	No	High school diploma or equivalent  No formal educational credential	Yes		No	No
47-3015	HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters	30.238	35,760	38,300	No	No	No	High school diploma or equivalent	No		No	No
47-3016	HelpersRoofers	21,907	33,416	36,086	No	No	No	No formal educational credential	No		Yes	Yes
47-3019	Helpers, Construction Trades, All Other	30,063	36,905	38,994	No	No	No	No formal educational credential	Yes		Yes	Yes
47-4011	Construction and Building Inspectors	41,725	61,273	73,184	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	48,875	80,207	102,818	Yes	Yes	Yes	Postsecondary nondegree award	Yes		Yes	Yes
47-4031 47-4041	Fence Erectors  Hazardour Materials Removal Workers	29,158	41,963	47,503	No	No	No	No formal educational credential	Yes		Yes	Yes
47-4041 47-4051	Hazardous Materials Removal Workers Highway Maintenance Workers	31,605 28.079	42,641 39.861	49,470 49,356	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	Yes No		No No	No No
47-4051	Rail-Track Laying and Maintenance Equipment Operators	44,420	54,049	61,362	Yes	Yes	Yes	High school diploma or equivalent	Yes		Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	30,129	46,972	54,719	No	No	No	High school diploma or equivalent	No		No	Yes
47-4090	Miscellaneous Construction and Related Workers	33,500	44,714	47,460	Yes	No	No	High school diploma or equivalent	Yes		No	No
47-5011	Derrick Operators, Oil and Gas	33,716	48,756	60,258	Yes	No	No	No formal educational credential	Yes		Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	40,349	53,211	55,606	Yes	No	No	No formal educational credential	Yes		Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	36,791	53,516	61,539	Yes	No	Yes	No formal educational credential	Yes		Yes	Yes
47-5022 47-5023	Excavating and Loading Machine and Dragline Operators, Surface Mining	34,328 39,794	47,231	52,030 50,960	Yes	No	No No	High school diploma or equivalent	Yes		No	No No
47-5023	Earth Drillers, Except Oil and Gas Explosives Workers, Ordnance Handling Experts, and Blasters	59,794 52.393	50,695 69.847	50,960 80.501	Yes	No Yes	No Yes	High school diploma or equivalent High school diploma or equivalent	Yes Yes		Yes	No Yes
47-5032	Continuous Mining Machine Operators	27,064	39,669	43,887	No	No	No	No formal educational credential	Yes		Yes	Yes
		27,004	33,003	45,007	1		***		1			

47-5044 LC 47-5049 U7 47-5049 R7-5049 47-5051 R6 47-5051 R6 47-5051 R6 47-5051 R6 47-5051 R6 47-5091 E2 47-5099 E2 49-2011 R6 49-2011 R6 49-2011 R6 49-2022 Te 49-2091 AA 49-2022 E1 49-2093 E1 49-2093 E1 49-2093 E1 49-2093 E1 49-2093 E1 49-2093 E1 49-2094 E1 49-2096 E1 49-2096 E1 49-2096 E1 49-2096 E1 49-3011 A1 49-3011 A1 49-3011 A1 49-3011 A1 49-3011 B1	Occupational Title  Roof Bolters, Mining Loading and Moving Machine Operators, Underground Mining Underground Mining Machine Operators, All Other Rock Splitters, Quarry Rock Splitters, Quarry Rosustabouts, Oil and Gas Helpers-Extraction Workers Extraction Workers Extraction Workers, All Other First-tine Supervisors of Mechanics, Installers, and Repairers Computer, Automated Teller, and Office Machine Repairers Radio, Cellular, and Tower Equipment Installers and Repairers Telecommunications Equipment Installers and Repairers, Except Line Installers Avionics Technicians		/ages (\$) by Occupat Average Annual Wage (\$) 39,312 40,004 65,974 48,756 34,613	High-Level Wage Threshold (\$) 41,941 44,361 88,002	Representative Starting Wage Yes	ts or Exceeds All O Average Annua Wage		Educational Requirement	Representative Starting Wage	s or Exceeds Educat Average Annua Wage	
47-5043  47-5044  10.  47-5049  10.  47-5049  10.  47-5051  Re 47-5071  Re 47-5071  Re 47-5091  Ex 47-5091  Ex 49-1011  Fir 49-2011  Re 49-2021  Re 49-2021  Re 49-2091  Av 49-2092  El 49-2093  El 49-2094  El 49-2094  El 49-2096  El 49-2096  El 49-2096  El 49-2096  El 49-2091  Av 49-2092  Av 49-3031  Av 49-3031  Bu 49-3041  Fa 49-3041  Fa 49-3052  Av 49-3052  Av 49-3053  Av 49-3052  Av 49-3053  Av 40-4050  Av 40-4050  Av 40-4050  Av 40-4050  Av 40-4050  Av 40-4050  Av 40	Roof Bolters, Mining Loading and Moving Machine Operators, Underground Mining Underground Mining Machine Operators, All Other Rock Splitters, Quarry Routsabouts, Oil and Gas Helpers-Extraction Workers Extraction Workers Extraction Workers, All Other First-tine Supervisors of Mechanics, Installers, and Repairers Computer, Automated Teller, and Office Machine Repairers Radio, Cellular, and Tower Equipment Installers and Repairers Telecommunications Equipment Installers and Repairers, Except Line Installers	36,559 35,333 36,368 33,716 28,966 27,399 43,510	39,312 40,004 65,974 48,756	41,941 44,361	Yes	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
47-5044 Lo 47-5049 Ur 47-5049 Ur 47-5051 Re 49-1011 Fi 49-1011 Fi 49-2011 Re 49-2011 Re 49-2011 Re 49-2021 Re 49-2022 Fi 49-2093 Ele 49-2093 Ele 49-2093 Ele 49-2096 Ele 49-2096 Ele 49-2096 Ele 49-2096 Re 49-2091 AA 49-2022 AA 49-2031 AB 49-3031 AB 49-3041 Fa 49-3041 Fa 49-3041 Fa 49-3041 Fa 49-3041 Fa 49-3041 Fa 49-3052 AB 49-3041 Fa 49-3053 AB 49-3041 Fa 49-3053 AB 49-3051 BB 49-3051 BB 49-3051 BB 49-3052 MB 49-3052 MB 49-3052 MB 49-3053 MB 49-3053 MB 49-3053 MB 49-3053 MB 49-3053 MB 49-3051 MB 49-3052 MB 49-3053 MB 49-3051 MB 49-3053 MB 49-3051 MB 49-30	Loading and Moving Machine Operators, Underground Mining Underground Mining Machine Operators, All Other Rock Splitters, Quarry Roustabouts, Oil and Gas Helpers-Extraction Workers Extraction Workers, All Other First-tine Supervisors of Mechanics, Installers, and Repairers Computer, Automated Teller, and Office Machine Repairers Radio, Cellular, and Tower Equipment Installers and Repairers Telecommunications Equipment Installers and Repairers	35,333 36,368 33,716 28,966 27,399 43,510	40,004 65,974 48,756	44,361							
47-5044 Lo 47-5049 Ur 47-5049 Ur 47-5051 Re 49-1011 Fi 49-1011 Fi 49-2011 Re 49-2011 Re 49-2011 Re 49-2021 Re 49-2022 Fi 49-2093 Ele 49-2093 Ele 49-2093 Ele 49-2096 Ele 49-2096 Ele 49-2096 Ele 49-2096 Re 49-2091 AA 49-2022 AA 49-2031 AB 49-3031 AB 49-3041 Fa 49-3041 Fa 49-3041 Fa 49-3041 Fa 49-3041 Fa 49-3041 Fa 49-3052 AB 49-3041 Fa 49-3053 AB 49-3041 Fa 49-3053 AB 49-3051 BB 49-3051 BB 49-3051 BB 49-3052 MB 49-3052 MB 49-3052 MB 49-3053 MB 49-3053 MB 49-3053 MB 49-3053 MB 49-3053 MB 49-3051 MB 49-3052 MB 49-3053 MB 49-3051 MB 49-3053 MB 49-3051 MB 49-30	Loading and Moving Machine Operators, Underground Mining Underground Mining Machine Operators, All Other Rock Splitters, Quarry Roustabouts, Oil and Gas Helpers-Extraction Workers Extraction Workers, All Other First-tine Supervisors of Mechanics, Installers, and Repairers Computer, Automated Teller, and Office Machine Repairers Radio, Cellular, and Tower Equipment Installers and Repairers Telecommunications Equipment Installers and Repairers	35,333 36,368 33,716 28,966 27,399 43,510	40,004 65,974 48,756	44,361							
47-5049 U.U 47-5051 Rc 47-5051 Rc 47-5081 He 47-5071 Rc 47-5081 He 47-5081 He 47-5081 He 47-5099 Ex 49-1011 Fir 49-2011 Ra 49-2021 Ra 49-2021 Ra 49-2021 Rc 49-2020 Fe 49-2090 El 49-2090 El 49-2090 El 49-2090 El 49-2091 AA 49-2095 El 49-2096 El 49-2096 El 49-2096 AB 49-2096 AB 49-2097 AB 49-2098 Se 49-3011 AB 49-3021 AB 49-3031 A	Underground Mining Machine Operators, All Other Rock Splitters, Quarry Roustabouts, Oil and Gas Helpers-Extraction Workers Extraction Workers Extraction Workers, All Other First-tine Supervisors of Mechanics, Installers, and Repairers Computer, Automated Teller, and Office Machine Repairers Radio, Cellular, and Tower Equipment Installers and Repairers Telecommunications Equipment Installers and Repairers, Except Line Installers	35,333 36,368 33,716 28,966 27,399 43,510	40,004 65,974 48,756	44,361							
47-5051 Rc 47-5071 Rc 47-5071 Rc 47-5071 Rc 47-5081 Rc 47-5099 Ex 47-5099 Ex 49-1011 Cc 49-2011 Rc 49-2011 Rc 49-2021 Rc 49-2021 Rc 49-2021 Rc 49-2021 Rc 49-2021 Rc 49-2021 Rc 49-2020 El 49-2030 El 49-301 Ac 49-301 Ac 49-301 Ac 49-301 Bc 49-302 Ac 49-3031 Bc 49-304 Rc 49-3052 Mc 49-3052 Mc 49-3052 Mc 49-3052 Mc 49-3052 Mc 49-3053 Mc 49-305	Rock Splitters, Quarry Roustabouts, Oil and Gas HelpersExtraction Workers Extraction Workers, All Other First-Line Supervisors of Mechanics, Installers, and Repairers Computer, Automated Teller, and Office Machine Repairers Radio, Cellular, and Tower Equipment Installers and Repairers, Except Line Installers	36,368 33,716 28,966 27,399 43,510	65,974 48,756	,		No	No	No formal educational credential	Yes	Yes	Yes
47-5071 Rc 47-5081 Hr 47-5081 Hr 47-5081 Hr 47-5081 Hr 47-5081 Hr 47-5089 Ex 49-1011 Fir 49-1011 Fir 49-1011 Fir 49-1011 Fir 49-1011 Fir 49-1011 Rc 49-1011 Rc 49-1012 Rc 49-1013 Rc 49-101	Roustabouts, Oil and Gas Helpers-Extraction Workers Extraction Workers, All Other First-Line Supervisors of Mechanics, Installers, and Repairers Computer, Automated Teller, and Office Machine Repairers Radio, Cellular, and Tower Equipment Installers and Repairers Telecommunications Equipment Installers and Repairers, Except Line Installers	33,716 28,966 27,399 43,510	48,756		Yes	No	No Yes	No formal educational credential  No formal educational credential	Yes Yes	Yes	Yes Yes
47-5081 He 47-5099 E 54-50-5011 He 47-5099 E 54-50-5011 C 54-50-5011 He 49-2011 C 54-50-5011 C 54-50-5011 C 54-50-5011 C 54-50-5011 C 54-50-501 C 54-501	HelpersExtraction Workers Extraction Workers, All Other  First-Line Supervisors of Mechanics, Installers, and Repairers Computer, Automated Teller, and Office Machine Repairers Radio, Cellular, and Tower Equipment Installers and Repairers Telecommunications Equipment Installers and Repairers, Except Line Installers	28,966 27,399 43,510		60.258	Yes Yes	Yes No	No Tes	No formal educational credential	Yes	Yes	Yes
47-5099 Ex 49-1011 Fit 19-1011	Extraction Workers, All Other First-line Supervisors of Mechanics, Installers, and Repairers Computer, Automated Teller, and Office Machine Repairers Radio, Cellular, and Tower Equipment Installers and Repairers Telecommunications Equipment Installers and Repairers, Except Line Installers	27,399 43,510		37,974	No	No	No	High school diploma or equivalent	No	No	No
49-1011 Fire 49-2011 Fire 49-2011 Fire 49-2011 Re 49-2021 Re 49-2022 Te 49-2092 Fire 49-2093 Fire 49-2095 Fire 49-2095 Fire 49-2095 Fire 49-2096 Fire 49-2097 Aux 49-2096 Fire 49-2097 Aux 49-2098 See 49-2098 See 49-2098 See 49-2098 Fire 49-3021 Aux 49-3022 Aux 49-3023 Aux 49-3023 Aux 49-3023 Aux 49-3023 Aux 49-3023 Aux 49-3023 Aux 49-3029 Fire 49-3043 Re 49-3043 Re 49-3043 Re 49-3049 Fire 49-9041 Fire 49-9	First-Line Supervisors of Mechanics, Installers, and Repairers Computer, Automated Teller, and Office Machine Repairers Radio, Cellular, and Tower Equipment Installers and Repairers Telecommunications Equipment Installers and Repairers, Except Line Installers	43,510	44.183	43.188	No	No	No	High school diploma or equivalent	No.	No	No
49-2011 CC 49-2021 Ra 49-2021 Re 49-2091 AA 49-2093 El: 49-2093 El: 49-2093 El: 49-2095 El: 49-2096 El: 49-2096 El: 49-2096 AB 49-2091 AA 49-3021 AA 49-3021 AA 49-3021 AA 49-3021 AA 49-3041 BB 49-3042 MA 49-3051 BB 49-3051 MA 49-3051 MB 49-3051 MB 49-3051 MB 49-3051 MB 49-3051 MB 49-3051 BB	Computer, Automated Teller, and Office Machine Repairers Radio, Cellular, and Tower Equipment Installers and Repairers Telecommunications Equipment Installers and Repairers, Except Line Installers		65,346	77,334	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2022 Te 49-2021 Av 49-2091 Av 49-2093 El 49-2093 El 49-2095 El 49-2096 El 49-2096 El 49-2096 El 49-2097 Au 49-2091 Av 49-3011 Ai 49-3011 Ai 49-3021 Au 49-3022 Au 49-3022 Au 49-3022 Au 49-3022 Au 49-3023 Au 49-3043 Ra 49-3043 Ra 49-3043 Ra 49-3043 Ra 49-3043 Ra 49-3041 Bu 49-3051 M	Telecommunications Equipment Installers and Repairers, Except Line Installers	31,080	41,665	46,695	No	No	No	Postsecondary nondegree award	No	No	No
49-2091 AA 49-2092 Ei 49-2093 El 49-2094 Ei 49-2094 Ei 49-2096 El 49-2096 El 49-2096 El 49-2097 AA 49-2098 Se 49-3011 Ai 49-3021 AA 49-3021 Bu 49-3021 Bu 49-3021 Bu 49-3021 MA 49-3031 MA		40,745	57,774	68,788	Yes	Yes	Yes	Associate's degree	Yes	No	Yes
49-2092 Eli 49-2093 Eli 49-2093 Eli 49-2095 Eli 49-2095 Eli 49-2096 Eli 49-2097 A. 49-2098 Se 49-3001 Ali 49-3021 A. 49-3023 A. 49-3023 A. 49-3023 A. 49-3023 A. 49-3023 A. 49-3051 M.	Avionics Technicians	32,383	54,977	70,052	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2093 Eli 49-2094 Eli 49-2094 Eli 49-2096 Eli 49-2096 Eli 49-2096 Eli 49-2097 A. 49-2098 Se 49-3011 Ai 49-3021 A. 49-3021 A. 49-3031 B. 49-3041 B. 49-3041 M. 49-3052 M. 49-3052 M. 49-3091 Bi 49-3091 Bi 49-3091 Bi 49-3091 Bi 49-3091 M.		45,867	69,670	95,018	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2004 El: 1 49-2096 El: 49-2097 Al: 49-2097 Al: 49-2098 El: 49-2098 Se 49-3011 Al: 49-3022 Al: 49-3023 Al: 49-3023 Al: 49-3023 Al: 49-3024 Mr. 49-3052 Mr. 49-30	Electric Motor, Power Tool, and Related Repairers	31,494	41,396	48,835	No	No	No	High school diploma or equivalent	Yes	No	No
49-2095 Elt 49-2096 Set 49-2097 Au. 49-2096 Set 49-3097 Au. 49-3091 Au. 49-3011 Au. 49-3021 Au. 49-3023 Au. 49-3023 Au. 49-3023 Au. 49-3043 Ra 49-3043 Ra 49-3043 Ra 49-3043 Ra 49-3049 Mel-3099 Mel-3099 Re 49-3091 Bit 49-3091 Bit 49-3091 Bit 49-3091 Mel-3099 Re 49-3099 Re 49-309 Re 4	Electrical and Electronics Installers and Repairers, Transportation Equipment	47,506	53,602	59,336	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-2096 El H 49-2097 A 49-2098 Se 49-3011 Ail 49-3021 A 49-3022 A 49-3021 B 49-3021 B 49-3021 B 49-3041 F 49-3043 R 49-3052 M 49-3053 C 49-3052 M 49-3051 M	Electrical and Electronics Repairers, Commercial and Industrial Equipment	38,131	51,760	54,409	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-2097 A. 4. 49-2098 See 49-3091 A. 4. 49-2098 See 49-3091 A. 4. 49-3021 A. 4. 49-3023 A. 49-3023 A. 49-3023 A. 49-3023 M. 49-3042 M. 49-3051 M. 49-3051 M. 49-3052 M. 49-3091 Bill 49-3092 Re 49-3093 Till 49-9011 M. 49-9011 M. 49-9011 M. 49-9011 M. 49-9031 He 49-9031 He 49-9031 He 49-9031 M. 49-9	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	39,364	75,347	97,502	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2098 Se 54 49-3011 Aii 49-3011 Aii 49-3011 Aii 49-3021 Ai. 49-3022 Ai. 49-3023 Ai. 49-3031 Bi. 49-3043 Bi. 49-3043 Bi. 49-3043 Bi. 49-3052 Mi. 49-3052 Mi. 49-3051 Bii 49-3051 Bii 49-3051 Bii 49-3051 Mi. 49-3051 Bii 49-3051 Mi. 49-3051 Bii 49-3051 Mi. 49-3051 Bii 49-3051 Mi. 49-3051 Mi. 49-3051 Mi. 49-3051 Mi. 49-9051 Mi. 49-9	Electronic Equipment Installers and Repairers, Motor Vehicles	31,032	42,837	47,610	No	No	No	Postsecondary nondegree award	No	No	No
49-3011 Aii 49-3021 Ai 49-3021 Ai 49-3023 Ai 49-3023 Ai 49-3031 Bi 49-3041 Fa 49-3041 Fa 49-3051 M 49-3051 M 49-3051 M 49-3052 M 49-3091 Bi 49-3093 Tii 49-9011 M 49-9012 CC 49-9021 He 49-9031 Hi	Audiovisual Equipment Installers and Repairers Security and Fire Alarm Systems Installers	38,807 31,142	56,443 48,072	69,946 59,133	Yes No	Yes No	Yes No	Postsecondary nondegree award	Yes No	Yes	Yes Yes
49-3021 Au 49-3022 Au 49-3023 Au 49-3023 Au 49-3031 Bu 49-3041 Fa 49-3042 M 49-3043 Ra 49-3052 M 49-3052 M 49-3091 Bi 49-3091 Bi 49-3091 Bi 49-3091 M	Aircraft Mechanics and Service Technicians	31,142	71,901	59,133 84.202	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3022 A.A. 49-3023 A.A. 49-3031 B.B. 49-3041 Fa 49-3043 Ra 49-3043 Ra 49-3052 M 49-3052 M 49-3053 O. 49-3053 O. 49-3059 Re 49-3051 H 49-3011 M 49-9011 M 49-9011 H 4	Automotive Body and Related Repairers	35,498	51,181	51,673	Yes	No	No	Associate's degree Postsecondary nondegree award	Yes	Yes	No
49-3023 A.4 49-3031 B.8 49-3041 Fa 49-3042 M M 49-3043 Ra 49-3051 M 49-3051 M 49-3052 M M 49-3052 M 49-3091 Bi 49-3092 Re 49-3091 M 49-9011 M 49-9011 M 49-9011 H 49-9011 H 49-9031 Hc	Automotive Body and Related Repairers  Automotive Glass Installers and Repairers	33,498	45.602	51,073	No.	No	No No	High school diploma or equivalent	Yes	No.	No No
49-3031 B B 49-3041 Fa 49-3041 Fa 49-3042 M 49-3043 Ra 49-3052 M 49-3052 M 49-3051 Bii 49-3051 Re 49-3051 H 49-3051 M 49-3051 H 49-3051 M 45-3051	Automotive Service Technicians and Mechanics	29,380	48,242	60,428	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3041 Fa 49-3042 M 49-3043 Ra 49-3051 M 49-3052 M 49-3052 M 49-3091 Bi 49-3093 Ti 49-9011 M 49-9012 Cc 49-9021 He 49-9031 Hc	Bus and Truck Mechanics and Diesel Engine Specialists	38.393	55,548	62,388	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3042 M M 49-3043 Ra 49-3051 M M 49-3052 M M 49-3052 M M 49-3091 Bi 49-3092 Re 49-3091 M 49-9011 M M 49-9012 CC 49-9021 He 49-9031 He 49-9031 He	Farm Equipment Mechanics and Service Technicians	29.813	44.975	47,745	No	No	No	High school diploma or equivalent	No	No	No
49-3043 Ra 49-3051 M 49-3052 M 49-3053 O. 49-3091 Bii 49-3092 Re 49-3093 Ti 49-9011 M 49-9011 H 649-9031 H 649-9031 H 649-9041 H 649-9041 IIn	Mobile Heavy Equipment Mechanics, Except Engines	37,440	54,217	63,061	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052 M 49-3053 Ot 49-3091 Bili 49-3092 Re 49-3093 Tii 49-9011 M 49-9012 Cc 49-9021 He 49-9031 Hc 49-9041 Inn	Rail Car Repairers	36,910	52,994	58,927	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3053 Ou 49-3091 Bin 49-3092 Re 49-3093 Till 49-9011 M 49-9012 Cc 49-9021 He 49-9031 Hcl 49-9041 In	Motorboat Mechanics and Service Technicians	31,762	49,976	60,477	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3091 Bit 49-3092 Re 49-3093 Tit 49-9011 M 49-9012 Cc 49-9021 He 49-9031 Hc 49-9041 Interest	Motorcycle Mechanics	29,494	47,671	62,328	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
49-3091 Bit 49-3092 Re 49-3093 Tit 49-9011 M 49-9012 Cc 49-9021 He 49-9031 Hc 49-9041 Interest	Outdoor Power Equipment and Other Small Engine Mechanics	28,889	41,833	48,096	No	No	No	High school diploma or equivalent	No	No	No
49-3093 Til 49-9011 M 49-9012 Cc 49-9021 He 49-9031 Hc 49-9041 Ind	Bicycle Repairers	32,353	39,952	43,296	No	No	No	High school diploma or equivalent	Yes	No	No
49-9011 M 49-9012 Cc 49-9021 He 49-9031 Hc 49-9041 Inc	Recreational Vehicle Service Technicians	31,755	49,865	60,934	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9012 Cc 49-9021 He 49-9031 Hc 49-9041 Inc	Tire Repairers and Changers	27,994	34,801	37,386	No	No	No	High school diploma or equivalent	No	No	No
49-9021 He 49-9031 Ho 49-9041 Inc	Mechanical Door Repairers	30,451	49,169	60,350	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9031 Ho 49-9041 Inc	Control and Valve Installers and Repairers, Except Mechanical Door	30,390	49,092	56,268	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9041 Inc	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	31,680	50,174	60,250	No	No	No	Postsecondary nondegree award	No	Yes	Yes
	Home Appliance Repairers	27,546	42,349	51,047	No	No	No	Postsecondary nondegree award	No	No	No
49-9043	Industrial Machinery Mechanics	38,091	54,871	62,238	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
	Maintenance Workers, Machinery	31,165	49,273	56,651	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
	Millwrights	39,800	50,669	60,110	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
	Refractory Materials Repairers, Except Brickmasons	25,783	34,170	37,570	No	No	No	High school diploma or equivalent	No	No	No
	Electrical Power-Line Installers and Repairers	37,423	73,657	96,520	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
	Telecommunications Line Installers and Repairers	33,618	49,842	59,142	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
	Camera and Photographic Equipment Repairers	39,669 36,242	52,718 47,421	58,809 49,291	Yes Yes	No No	No No	Associate's degree	No No	No No	No No
	Medical Equipment Repairers	28,118	47,421	49,291 50.786		No No	No No	Associate's degree	No No		No No
	Musical Instrument Repairers and Tuners  Watch and Clock Repairers	24,413	29,045	28,335	No No	No No	No No	High school diploma or equivalent High school diploma or equivalent	No	No No	No
	Precision Instrument and Equipment Repairers, All Other	39.985	56,877	65.087	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
	Maintenance and Repair Workers, General	28.199	42.331	48.599	No.	No.	No.	High school diploma or equivalent	No.	No.	No.
	Wind Turbine Service Technicians	47,603	67,137	77,830	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
	Coin, Vending, and Amusement Machine Servicers and Repairers	27.485	38.844	47.673	No.	No	No.	High school diploma or equivalent	No.	No	No.
	Commercial Divers	38,979	52,501	56.237	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
	Locksmiths and Safe Repairers	31,072	43,394	46,660	No	No	No	High school diploma or equivalent	Yes	No	No
	Manufactured Building and Mobile Home Installers	21,545	30,464	38,546	No	No	No	High school diploma or equivalent	No	No	No
	Riggers	39,961	56,260	64,094	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097 Sig	Signal and Track Switch Repairers	46,588	62,426	70,488	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
	HelpersInstallation, Maintenance, and Repair Workers	29,316	35,429	38,730	No	No	No	High school diploma or equivalent	No	No	No
49-9099 In:	Installation, Maintenance, and Repair Workers, All Other	29,092	40,310	45,733	No	No	No	High school diploma or equivalent	No	No	No
51-1011 Fir	First-Line Supervisors of Production and Operating Workers	39,123	66,066	81,689	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011 Air	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	32,593	46,391	55,044	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-2021 Co	Coil Winders, Tapers, and Finishers	32,760	44,863	47,800	No	No	No	High school diploma or equivalent	Yes	No	No
	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders,										
	Tapers, and Finishers	23,716	35,950	39,262	No	No	No	High school diploma or equivalent	No	No	No
	Engine and Other Machine Assemblers	33,184	42,843	47,564	No	No	No	High school diploma or equivalent	Yes	No	No
	Structural Metal Fabricators and Fitters	30,136	39,828	46,945	No	No	No	High school diploma or equivalent	No	No	No
	Fiberglass Laminators and Fabricators	28,612	36,996	37,386	No	No	No	High school diploma or equivalent	No	No	No
	Timing Device Assemblers and Adjusters								1		
	Miscellaneous Assemblers and Fabricators	28,710	36,027	38,361	No	No	No	High school diploma or equivalent	No	No	No
	Bakers	24,898	32,551	37,398	No	No	No	High school diploma or equivalent	No	No	No
	Butchers and Meat Cutters	29,616	40,867	45,141	No	No	No	No formal educational credential	Yes	Yes	Yes
	Meat, Poultry, and Fish Cutters and Trimmers	25,492	35,816	41,661	No	No	No	No formal educational credential	Yes	Yes	Yes
	Slaughterers and Meat Packers	26,236	27,586	28,631	No	No	No	No formal educational credential	Yes	No	No
	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	24,758	32,191	35,844	No	No	No	No formal educational credential	Yes	No	No
	Food Batchmakers	22,820	31,121	34,646	No	No	No	High school diploma or equivalent	No	No	No
51-3093 Fo	Food Cooking Machine Operators and Tenders	30,458	36,391	35,561	No	No	No	High school diploma or equivalent	No	No	No
		26,747	32,239	36,095	No	No	No	No formal educational credential	Yes	No	Yes
51-4021 Pla	Food Processing Workers, All Other Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and										

Wages - Workforce Re May 2022	egion 24	Δnnual W	ages (\$) by Occupat	ion	Wage Meet	s or Exceeds All C	Occupation Metric	1	Wage Mee	ts or Exceeds Educ	ational Level Metric
, 2022	<b>'</b>		Average Annual	High-Level Wage	Representative	Average Annu			Representative		
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	29,912	39,512	45,129	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	30,237	41,325	44,636	No	No	No	High school diploma or equivalent	No	No	No
	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and										
51-4031	Plastic	26,522	37,319	44,162	No	No	No	High school diploma or equivalent	No	No	No
E4 4022	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20.725	55.450	02.404			v		l	.,	.,
51-4032	****	29,725	55,468	82,404	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	25,605	33,628	35,825	No	No	No	High school diploma or equivalent	No	No	No
31-4033	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and	23,003	33,020	33,023	INO	NO	NO	rigii school dipiona oi equivalent	NO	INU	INU
51-4034	Plastic	27,537	38.378	47.150	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	30,674	38,707	39,008	No	No	No	Postsecondary nondegree award	No	No	No
51-4041	Machinists	31,676	49,915	60,569	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	38,595	49.210	50.126	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-4052	Pourers and Casters, Metal	29,419	45,997	55,783	No	No	No	High school diploma or equivalent	No	No	Yes
51-4061	Model Makers, Metal and Plastic	32,583	51,319	59,726	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	26,620	49,801	76,953	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-4071	Foundry Mold and Coremakers	22,944	39,630	54,187	No	No	No	High school diploma or equivalent	No	No	Yes
	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders,			. , .				0			
51-4072	Metal and Plastic	30,464	39,537	43,411	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	29,312	40,906	48,509	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	41,400	61,092	65,883	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	35,112	50,455	59,913	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	27,489	40,325	41,133	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	24.600	40,192	46,716	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	33,470	47,091	51,890	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	29.656	39,679	44.223	No.	No	No	High school diploma or equivalent	No.	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	27,143	36,318	38.339	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	30,737	42,110	49,336	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	31,312	44,479	48,608	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	27,520	39,046	45,248	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	23,267	37,600	45,878	No.	No	No.	High school diploma or equivalent	No.	No	No
51-6011	Laundry and Dry-Cleaning Workers	22,314	27,544	29,977	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	27.040	29,482	29,201	No	No	No.	No formal educational credential	Yes	No	No
51-6031	Sewing Machine Operators	21,010	30.348	34,735	No	No	No	No formal educational credential	No No	No	No
51-6041	Shoe and Leather Workers and Repairers	23,220	32,504	36,693	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	23,220	32,304	30,033	INO	140	NO	riigii scriooi dipiona oi equivalent	140	NO	NO
51-6051	Sewers, Hand	21,732	29,370	29,942	No	No	No	No formal educational credential	No	No	No
51-6052	Tailors, Dressmakers, and Custom Sewers	22,050	36.365	39.806	No	No	No	No formal educational credential	No	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	22,747	27,241	27,842	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	27.350	32,701	35.885	No	No	No	High school diploma or equivalent	No No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	27,202	31,282	34,061	No	No	No	High school diploma or equivalent	No	No	No
31-0003	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and	27,202	31,202	34,001	INO	140	NO	riigii scriooi dipiona oi equivalent	140	NO	NO
51-6064	Tenders	22.934	33,105	37,629	No	No	No	High school diploma or equivalent	No	No	No
31 0004	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and	22,334	33,103	37,023	INO	140	NO	riigii scriooi dipiona oi equivalent	INO	140	140
51-6091	Glass Fibers	33.302	58,021	82.522	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	26,620	49,801	76,953	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6093	Upholsterers	28.296	37,590	44.720	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	28,645	38,158	40,603	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	31,797	44,498	50,713	No.	No	No		Yes	No	No
51-7021	Furniture Finishers	35,282	47,257	55,057	Yes	No	No	High school diploma or equivalent	Yes	No	Yes
51-7021	Model Makers, Wood	33,202	47,237	33,037	162	INU	NO	High school diploma or equivalent	162	INU	162
51-7032	Patternmakers, Wood										
51-7032		28.514	35.759	38.062	No	No	No	High school diploma or onvivalent	No	No	No
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood Woodworking Machine Setters, Operators, and Tenders, Except Sawing	28,514	35,759	38,062	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing  Woodworkers, All Other	27,143	32,139	33,319	No No	No	No	High school diploma or equivalent High school diploma or equivalent	No No	No	No No
51-7099	Nuclear Power Reactor Operators	27,143 47.849	. ,	32,484 95.581							
51-8011			75,495	102,223	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers Power Plant Operators	52,896 48,340	87,479	97.058	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8021	·	48,340 47,544	79,328 62,091	97,058 67.137	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021 51-8031	Stationary Engineers and Boiler Operators  Water and Wastewater Treatment Plant and System Operators	47,544 35,177	62,091 52,754		Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031 51-8091	Water and Wastewater Treatment Plant and System Operators			61,263	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091 51-8092	Chemical Plant and System Operators	41,236	61,086	66,132	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-8092 51-8093	Gas Plant Operators  Petroleum Pump System Operators Refinery Operators and Gaugers	34,071 47,780	51,368 62.012	62,111 78.136	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Petroleum Pump System Operators, Refinery Operators, and Gaugers Plant and System Operators, All Other	47,780	62,012 56.400	78,136 55.434	Yes	Yes	Yes No	High school diploma or equivalent	Yes Yes	Yes	Yes
	,	-7	,	, .	Yes	Yes		Postsecondary nondegree award		Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	29,078	44,057	56,600	No	No	No	High school diploma or equivalent	No	No	Yes
E1 0013	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,	25.440	44.865	40.0	1			1	1 1		
51-9012	Operators, and Tenders	26,149	41,560	48,299	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	26,118	36,236	44,055	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	31,794	35,200	39,560	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	28,577	36,327	40,084	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	21,633	35,145	39,482	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	29,540	41,169	52,485	No	No	No	High school diploma or equivalent	No	No	No
	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and				1				1 1		
51-9041	Tenders	27,320	37,668	44,528	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	30,227	38,713	43,454	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	28,080	44,911	50,568	No	No	No	Postsecondary nondegree award	No	No	No
51-9071 51-9081	Jewelers and Precious Stone and Metal Workers  Dental Laboratory Technicians	35,727 31,604	53,069 53,373	60,896 57,485	Yes No	No No	Yes No	High school diploma or equivalent Postsecondary nondegree award	Yes No	Yes	Yes Yes

Wages - Workforce Region 24

May 2022		Annual W	ages (\$) by Occupa	tion	Wage Mee	ts or Exceeds All Occu	pation Metric		Wage Meets	or Exceeds Education	nal Level Metric
			Average Annual	High-Level Wage	Representative	Average Annual	High-Level Wage		Representative	Average Annual	High-Level Wage
Occupational Code	Occupational Title	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Starting Wage	Wage	Threshold	Educational Requirement	Starting Wage	Wage	Threshold
F1 0000	Madical Applicant Technisis	24.704	45.404	50.504					l I		
51-9082 51-9083	Medical Appliance Technicians Ophthalmic Laboratory Technicians	31,701	46,104	60,694	NO No	No	No No	Postsecondary nondegree award	NO No	No	Yes
51-9005	Ophthalmic Laboratory Technicians  Packaging and Filling Machine Operators and Tenders	28,039 23,938	33,894 35,139	35,559 37,845	No No	No No	No No	High school diploma or equivalent	No No	No No	No No
51-9123	Painting, Coating, and Decorating Workers	23,406	32,819	38.079	No	No	No	High school diploma or equivalent High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	31,768	47,480	58,430	No	No	No		Yes	Yes	Yes
51-9141	Semiconductor Processing Technicians	37,531	47,480	50,087	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9151	Photographic Process Workers and Processing Machine Operators	23,072	34,889	37,570	No	No	No	High school diploma or equivalent High school diploma or equivalent	No No	No	No
51-9161	Computer Numerically Controlled Tool Operators	31,489	45,814	51,927	No	No	No	Postsecondary nondegree award	No.	No	No
51-9162	Computer Numerically Controlled Tool Programmers	37,136	67,602	83,986	Yes	Yes	Yes	Associate's degree	No.	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	22,934	33,105	37,629	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	25,684	35,540	46,588	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	27,212	45,100	48,037	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	31,200	36,320	42,575	No	No	No	High school diploma or equivalent	Yes	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	28,901	40,156	45,108	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	28,759	43,838	51,644	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	28,621	37,038	40,024	No	No	No	High school diploma or equivalent	No	No	No
51-9198	HelpersProduction Workers	23,681	34,013	37,623	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	25,798	37,361	41,692	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	38,369	51,597	61,552	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
	First-Line Supervisors of Transportation and Material Moving Workers, Except										
53-1047	Aircraft Cargo Handling Supervisors	35,812	57,741	67,778	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	77,788	217,907	212,521	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
53-2012	Commercial Pilots	44,350	126,810	170,313	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	70,512	100,901	109,928	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	78,806	124,537	154,981	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	34,702	68,280	77,968	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	25,378	30,218	32,080	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	21,130	35,371	42,592	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	33,547	46,483	50,502	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
53-3033 53-3051	Light Truck Drivers  Bus Drivers, School	27,030	42,892	47,574 37.858	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, School Bus Drivers, Transit and Intercity	32,774 36.436	38,021 43,739	37,858 45.949	No Yes	No No	No No	High school diploma or equivalent	Yes	No No	No No
53-3053	Shuttle Drivers and Chauffeurs	25.393	43,739 36.127	45,949 36.207	No Yes	No	No	High school diploma or equivalent	Yes No	No	No
53-3054	Taxi Drivers	25,393	31,233	30,207	No	No	No	High school diploma or equivalent  No formal educational credential	No	No	No
53-3099	Motor Vehicle Operators, All Other	21,883	30,886	34,644	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	55,773	67.748	73.188	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4011	Rail Yard Engineers, Dinkey Operators, and Hostlers	31,735	53.201	51.250	No.	No.	No.	High school diploma or equivalent	Yes	Yes	No.
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	38,565	58.316	60.997	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	62,456	70,498	73,238	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	28,798	41,157	51,693	No	No	No	High school diploma or equivalent	No	No	No
53-4099	Rail Transportation Workers, All Other	40,665	41,345	40,674	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-5011	Sailors and Marine Oilers	28,700	44,883	49.515	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	30,896	62,775	78,505	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	32,524	47,748	53,242	No	No	No	Postsecondary nondegree award	Yes	Yes	No
53-5031	Ship Engineers	71,523	96,872	107,812	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	24,307	37,975	53,248	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	21,235	27,936	29,652	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	27,706	33,823	38,471	No	No	No	No formal educational credential	Yes	Yes	Yes
53-6032	Aircraft Service Attendants	29,638	37,249	40,718	No	No	No	High school diploma or equivalent	No	No	No
53-6041	Traffic Technicians	37,940	57,541	65,486	Yes	Yes	Yes	Associate's degree	No	No	No
53-6051	Transportation Inspectors	40,262	83,318	113,235	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	21,293	27,048	35,081	No	No	No	High school diploma or equivalent	No	No	No
53-6099	Transportation Workers, All Other	25,552	32,585	36,382	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	30,762	33,967	33,716	No	No	No	No formal educational credential	Yes	Yes	No
53-7021	Crane and Tower Operators	41,266	68,153	81,183	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	35,195	46,647	48,579	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-7041	Hoist and Winch Operators	31,794	49,821	51,053	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	29,672	40,588	44,337	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	22,611	31,195	34,785	No	No	No	No formal educational credential	No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	26,064	35,011	38,616	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	23,459	31,335	37,104	No	No	No	No formal educational credential	No	No	Yes
53-7064	Packers and Packagers, Hand	23,356	27,160	27,117	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	24,829	32,897	36,495	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	32,063	37,276	36,950	No	No	No	High school diploma or equivalent	Yes	No	No
53-7072	Pump Operators, Except Wellhead Pumpers	36,236	48,562	53,918	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
53-7073	Wellhead Pumpers	30,257	36,092	33,529	No	No	No	High school diploma or equivalent	No	No	No
53-7081	Refuse and Recyclable Material Collectors	28,555	43,300	48,590	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	42,734	59,558	60,475	Yes	Yes	No	No formal educational credential	Yes	Yes	Yes
53-7199	Material Moving Workers, All Other	28,600	37,353	39,781	No	No	No	No formal educational credential	Yes	Yes	Yes

 $[\]ensuremath{^{*}}$  indicates a wage equal to or greater than \$115.00 per hour or \$239,200 per year.

## Summary - Workforce Region 24

				Number of SOCs
Wage Metrics	Representative	Average Annual	High-Level Wage	by Educational
-	Starting Wage (\$)	Wage (\$)	Threshold (\$)	Requirement
All Occupations	33,403	54,026	60,810	825
No formal educational credential	24,524	33,004	35,904	85
High school diploma or equivalent	30,851	47,383	54,048	233
Some college, no degree	28,526	42,868	47,797	49
Postsecondary nondegree award	31,872	46,379	53,749	90
Associate's degree	39,809	58,138	65,835	68
Bachelor's degree	47,037	90,331	103,871	184
Master's degree	57,710	93,313	105,746	43
Doctoral or professional degree	72,573	159,516	160,317	73

	Representative Starting Wage		Average Annual Wage		High-Level Wage Threshold	
Wage Summary	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric
All Occupations	496	329	498	327	478	347
No formal educational credential	43.53%	56.47%	38.82%	61.18%	38.82%	61.18%
High school diploma or equivalent	67.81%	32.19%	81.55%	18.45%	78.54%	21.46%
Some college, no degree	26.53%	73.47%	28.57%	71.43%	26.53%	73.47%
Postsecondary nondegree award	46.67%	53.33%	30.00%	70.00%	30.00%	70.00%
Associate's degree	69.12%	30.88%	45.59%	54.41%	41.18%	58.82%
Bachelor's degree	60.87%	39.13%	66.85%	33.15%	64.67%	35.33%
Master's degree	72.09%	27.91%	67.44%	32.56%	69.77%	30.23%
Doctoral or professional degree	76.71%	23.29%	69.86%	30.14%	61.64%	38.36%