

Workforce Estimating Conference September 7, 2012

The Workforce Estimating Conference met on September 7, 2012. The agenda included presentations from the Florida Department of Economic Opportunity, Labor Market Statistics Center regarding key factors affecting employment, an Industry and Occupational Forecast, and lists of Targeted Occupations by Educational Levels.

The Conference reviewed the proposed lists of occupations by education levels and agreed to increase the average and entry level wages for both the Bachelor's Degree and the Master's or Higher Degree demand lists by the Employment Cost Index (ECI), similar to what is done for the Post Secondary Adult Vocational (PSAV) and College Credit Certificate/Associate Degree (CCC/AD) demand list.

The Conference adopted all three 2013-2014 demand occupation lists. Occupations that were added to the 2013-2014 lists and deleted from the 2012-13 lists (August 2011 and February 2012) are also detailed. The three demand occupation lists are summarized below.

Credit/Degree	Number					
	Occupations	Added	Deleted	HSHW	In an EFI Targeted Industry	STEM
PSAV or CCC/AD	87	11	21	43	46	14
Bachelors	42	10	6			18
Master's or Higher	26	3	1			16

Credit/Degree	Criteria					
	FLDOE Training Codes	Annual Openings / Average Growth Rate	Mean Hourly Wage	Entry Hourly Wage	HSHW Mean Hourly Wage	HSHW Entry Hourly Wage
PSAV or CCC/AD	3 (PSAV) or 4 (CCC/AD)	150 annual openings and average growth rate of 1.55%; or 360 annual openings and any positive growth rate	\$ 13.29	\$ 10.80	\$ 20.82	\$ 13.29
Bachelor's	5 (Bachelor's)	50 annual openings and average growth rate of 1.55%; or 150 annual openings with any positive growth	\$ 24.44	\$ 17.11		
Master's or Higher	6 (Master's or Higher)	50 annual openings and average growth rate of 1.55%; or 150 annual openings with any positive growth	\$ 29.33	\$ 20.53		

PSAV = Post Secondary Adult Vocational

EFI = Enterprise Florida, Inc.

CCC/AD = College Credit Certificate/Associate Degree

STEM = Science, Technology, Engineering, and Mathematics

HSHW = High Skill / High Wage

The final demand occupational lists by educational levels and handouts are posted at:
<http://edr.state.fl.us/Content/conferences/workforce/index.cfm>.

Note: The Workforce Estimating Conference was originally scheduled to meet on August 30, 2012, but was rescheduled to September 7, 2012 to allow for a further review of the data.

2013-14 Final Florida Statewide Demand Occupations List

Post Secondary Adult Vocational Certificate or College Credit Certificate/Associate Degree

Sorted by Occupational Title

Workforce Estimating Conference Selection Criteria:

- 1 FLDOE Training Codes 3 (PSAV Certificate) or 4 (College Credit Certificate/Associate Degree)
- 2 150 annual openings and average growth rate of 1.55% or 360 annual openings with any positive growth
- 3 Mean Wage of \$13.29/hour and Entry Wage of \$10.80/hour
- 4 High Skill/High Wage (HSHW) Occupations: Mean Wage of \$20.82/hour and Entry Wage of \$13.29/hour

SOC Code†	HSHW††	Occupational Title†	Annual	Annual	2012 Hourly Wage		FLDOE	In EFI	STEM	New
			Percent	Openings	Mean	Entry	Training	Targeted		
Occupations with titles in bold type and followed by an asterisk (*) may be found in declining industries and are not projected to return to their historical peak during the forecast period. These occupations may currently have an oversupply of trained workers, allowing the regional workforce boards the local option not to offer training for these occupations.										
113011	HSHW	Administrative Services Managers	1.72	407	48.08	28.73	4	Yes	No	No
413011		Advertising Sales Agents	0.23	372	22.16	12.02	3	Yes	No	No
493023		Automotive Service Technicians and Mechanics*	1.03	1,612	18.14	11.29	3	Yes	No	No
433031		Bookkeeping, Accounting, and Auditing Clerks*	1.55	2,911	16.36	11.47	4	Yes	No	No
472021		Brickmasons and Blockmasons*	4.42	243	17.84	13.06	3	No	No	No
131199	HSHW	Business Operations Specialists, All Other	1.64	2,495	29.98	16.54	4	No	No	No
292031		Cardiovascular Technologists and Technicians	2.50	245	21.55	12.35	3	Yes	Yes	No
472031		Carpenters*	2.91	2,365	17.71	11.36	3	No	No	No
472051		Cement Masons and Concrete Finishers*	4.30	529	15.27	11.00	3	No	No	No
131031	HSHW	Claims Adjusters, Examiners, and Investigators*	0.43	535	27.26	18.06	3	No	No	No
131041	HSHW	Compliance Officers, Exc. Safety, Agri, Constr & Transp.*	1.59	371	27.98	17.05	3	No	No	No
151131	HSHW	Computer Programmers	0.63	556	34.31	21.06	3	Yes	Yes	Yes
151150	HSHW	Computer Support Specialists	1.49	1,360	21.75	14.15	3	Yes	Yes	No
151121	HSHW	Computer Systems Analysts	1.89	865	39.81	26.62	4	Yes	Yes	No
474011	HSHW	Construction and Building Inspectors	2.03	317	25.93	17.57	3	No	No	No
119021	HSHW	Construction Managers*	2.33	1,041	47.09	28.37	4	No	No	No
131051	HSHW	Cost Estimators*	4.53	664	28.06	18.15	4	No	Yes	No
151141	HSHW	Database Administrators	2.70	222	35.63	22.79	4	Yes	Yes	No
319091		Dental Assistants	2.59	736	16.19	12.06	3	Yes	No	No
292021	HSHW	Dental Hygienists	3.24	529	28.40	20.16	4	Yes	Yes	No
292032	HSHW	Diagnostic Medical Sonographers	3.80	264	28.50	22.27	3	Yes	No	No
472081		Drywall and Ceiling Tile Installers*	3.95	349	16.25	11.79	3	No	No	No

Source: Florida Department of Economic Opportunity, Labor Market Statistics

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SOC Code†	HSHW††	Occupational Title†	Annual	Annual	2012 Hourly Wage		FLDOE	In EFI	STEM	New
			Percent Growth	Openings	Mean	Entry	Training Code	Targeted Industry?	Occupation?	to List?
Occupations with titles in bold type and followed by an asterisk (*) may be found in declining industries and are not projected to return to their historical peak during the forecast period. These occupations may currently have an oversupply of trained workers, allowing the regional workforce boards the local option not to offer training for these occupations.										
499051	HSHW	Electrical Power-Line Installers and Repairers*	2.17	352	25.86	18.18	3	Yes	No	Yes
472111		Electricians*	2.76	1,705	19.35	14.12	3	No	No	No
292041		Emergency Medical Technicians and Paramedics	3.02	447	15.49	10.95	4	Yes	No	No
436011		Executive Secretaries and Administrative Assistants*	1.42	1,779	20.61	14.77	3	No	No	No
332011	HSHW	Fire Fighters	1.36	923	24.75	15.13	3	No	No	No
471011	HSHW	First-Line Superv. of Construction and Extraction Workers*	3.39	1,951	27.78	18.85	4	No	No	No
351012		First-Line Superv. of Food Preparation & Serving Workers	1.76	1,911	16.40	11.05	3	No	No	No
371012		First-Line Superv. of Landscaping and Groundskeeping	1.89	511	20.28	13.70	3	No	No	No
491011	HSHW	First-Line Superv. of Mechanics, Installers, and Repairers	1.33	948	28.81	18.72	3	No	No	No
431011	HSHW	First-Line Superv. of Office and Admin. Support Workers	1.54	3,412	24.13	15.76	4	Yes	No	No
511011	HSHW	First-Line Superv. of Production and Operating Workers*	0.42	361	27.19	17.86	3	Yes	No	No
411012	HSHW	First-Line Supervisors of Non-Retail Sales Workers*	0.64	966	45.51	24.08	4	No	No	No
391021		First-Line Supervisors of Personal Service Workers*	1.31	514	19.60	12.17	3	No	No	No
411011	HSHW	First-Line Supervisors of Retail Sales Workers	0.86	3,501	20.97	13.48	3	No	No	No
111021	HSHW	General and Operations Managers	0.85	1,996	51.17	25.25	4	Yes	No	No
472121		Glaziers*	4.53	218	17.20	11.60	3	No	No	No
271024	HSHW	Graphic Designers	1.15	655	21.22	13.43	4	Yes	No	No
292799		Health Technologists and Technicians, All Other	1.82	180	19.82	13.38	3	Yes	No	No
499021		Heating, A.C., and Refrigeration Mechanics and Installers	3.87	1,186	20.05	14.18	3	No	No	No
492097		Home Entertainment Electronics Installers and Repairers*	2.10	160	15.95	11.04	3	No	No	Yes
434161		Human Resources Assistants, Exc. Payroll*	1.93	449	16.83	12.53	3	No	No	Yes
499041	HSHW	Industrial Machinery Mechanics	2.90	566	21.89	15.03	3	No	No	No

Source: Florida Department of Economic Opportunity, Labor Market Statistics

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			Percent Growth	Openings	Mean	Entry	Training Code	Targeted Industry?		
Occupations with titles in bold type and followed by an asterisk (*) may be found in declining industries and are not projected to return to their historical peak during the forecast period. These occupations may currently have an oversupply of trained workers, allowing the regional workforce boards the local option not to offer training for these occupations.										
151179	HSHW	Information Security Analysts and Web Developers	1.86	800	32.92	20.69	3	Yes	Yes	Yes
413021	HSHW	Insurance Sales Agents	1.60	1,880	29.35	15.81	3	Yes	No	No
271025		Interior Designers*	1.85	199	23.28	12.27	4	Yes	No	No
436012		Legal Secretaries*	1.72	444	19.22	13.41	3	No	No	No
292061		Licensed Practical and Licensed Vocational Nurses*	2.27	2,151	19.94	16.17	3	Yes	No	No
132071		Loan Counselors	2.62	156	19.99	14.85	4	Yes	No	Yes
132072	HSHW	Loan Officers*	1.72	1,008	30.12	17.67	4	Yes	No	No
499071		Maintenance and Repair Workers, General	1.47	2,591	15.88	10.87	3	No	No	No
319011		Massage Therapists	1.72	450	18.04	10.96	3	Yes	No	Yes
319092		Medical Assistants	2.35	1,478	13.99	10.86	3	Yes	No	No
499062		Medical Equipment Repairers	2.81	189	19.45	11.84	3	Yes	Yes	No
292071		Medical Records and Health Information Technicians	2.10	449	17.10	11.27	4	Yes	No	No
436013		Medical Secretaries*	3.21	798	14.23	11.26	3	No	No	No
131121	HSHW	Meeting and Convention Planners	3.47	218	23.73	14.98	4	No	No	No
493042	HSHW	Mobile Heavy Equipment Mechanics, Except Engines	2.03	250	20.88	15.01	3	No	No	No
493051		Motorboat Mechanics	2.57	176	17.60	10.91	3	No	No	Yes
151142	HSHW	Network and Computer Systems Architects and Administrators	2.72	629	36.53	24.13	4	Yes	Yes	No
472073		Operating Engineers/Construction Equipment Operators*	3.31	740	18.09	13.07	3	No	No	No
472141		Painters, Construction and Maintenance*	2.64	1,244	15.44	10.85	3	No	No	Yes
232011	HSHW	Paralegals and Legal Assistants	3.38	1,044	22.89	15.48	3	Yes	No	No
312021	HSHW	Physical Therapist Assistants	2.89	183	27.66	21.29	4	Yes	No	No
472151		Pipelayers*	3.07	249	16.07	11.70	3	No	No	No

Source: Florida Department of Economic Opportunity, Labor Market Statistics

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SOC Code†	HSHW††	Occupational Title†	Annual	Annual	2012 Hourly Wage		FLDOE Training Code	In EFI Targeted Industry?	STEM Occupation?	New to List?
			Percent Growth	Openings	Mean	Entry				
Occupations with titles in bold type and followed by an asterisk (*) may be found in declining industries and are not projected to return to their historical peak during the forecast period. These occupations may currently have an oversupply of trained workers, allowing the regional workforce boards the local option not to offer training for these occupations.										
472152		Plumbers, Pipefitters, and Steamfitters*	2.90	1,325	18.85	13.13	3	No	No	No
333051	HSHW	Police and Sheriff's Patrol Officers*	1.26	1,449	27.44	18.78	3	No	No	No
119141	HSHW	Property, Real Estate & Community Association Managers	0.83	769	30.17	16.32	4	No	No	No
131023	HSHW	Purchasing Agents, Except Farm Products & Trade*	0.84	481	27.02	17.41	4	Yes	No	No
292037	HSHW	Radiologic Technologists and Technicians	2.38	581	25.71	19.12	3	Yes	No	No
419022		Real Estate Sales Agents*	1.73	1,978	21.69	11.00	3	Yes	No	No
291111	HSHW	Registered Nurses	2.31	6,865	31.31	23.58	4	Yes	Yes	No
291126	HSHW	Respiratory Therapists	2.37	305	25.40	20.62	4	Yes	Yes	No
472181		Roofers*	1.97	508	15.75	11.76	3	No	No	No
414011	HSHW	Sales Representatives, Wholesale & Mfg, Tech. & Sci. Products	1.42	1,149	42.53	23.37	3	Yes	No	No
414012	HSHW	Sales Representatives, Wholesale and Manufacturing, Nontechn	1.40	3,147	28.86	14.40	3	Yes	No	No
492098		Security and Fire Alarm Systems Installers	2.89	427	18.11	13.44	3	No	No	No
472211		Sheet Metal Workers*	2.59	284	17.52	12.30	3	No	No	No
211093		Social and Human Service Assistants*	1.22	400	14.39	10.82	3	Yes	No	No
151132	HSHW	Software Developers, Applications	2.00	651	38.79	23.47	4	Yes	Yes	No
292055		Surgical Technologists	1.65	225	18.66	14.92	3	Yes	Yes	No
492022	HSHW	Telecommunications Equipment Installers and Repairers	0.95	427	23.65	16.08	3	Yes	No	Yes
533032		Truck Drivers, Heavy and Tractor-Trailer*	1.44	2,419	17.79	12.16	3	Yes	No	No
292056		Veterinary Technologists and Technicians	4.11	390	14.30	11.03	4	Yes	No	No

Source: Florida Department of Economic Opportunity, Labor Market Statistics

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SOC Code†	HSHW††	Occupational Title†	Annual	Annual	2012 Hourly Wage		FLDOE	In EFI	STEM	New
			Percent		Openings	Mean				
Occupations with titles in bold type and followed by an asterisk (*) may be found in declining industries and are not projected to return to their historical peak during the forecast period. These occupations may currently have an oversupply of trained workers, allowing the regional workforce boards the local option not to offer training for these occupations.										
251194	HSHW	Vocational Education Teachers, Postsecondary	2.87	315	27.65	16.57	4	No	No	Yes
514121		Welders, Cutters, Solderers, and Brazers*	2.28	558	17.86	12.60	3	Yes	No	No

†SOC Code and Occupational Title refer to Standard Occupational Classification codes and titles.

††HSHW = High Skill/High Wage.

EFI - Enterprise Florida, Inc.

Occupations Added To The
2013-14 Final Florida Statewide Demand Occupations List
Post Secondary Adult Vocational Certificate or College Credit Certificate/Associate Degree
Sorted by Occupational Title

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Mean Wage of \$20.82/hour and Entry Wage of \$13.29/hour

SOC Code†	HSHW††	Occupational Title†	Annual	Annual	2012 Hourly Wage		FLDOE	Reason
			Percent		Openings	Mean		
151131	HSHW	Computer Programmers	0.63	556	34.31	21.06	3	G
499051	HSHW	Electrical Power-Line Installers and Repairers*	2.17	352	25.86	18.18	3	G
492097		Home Entertainment Electronics Installers and Repairers*	2.10	160	15.95	11.04	3	G
434161		Human Resources Assistants, Exc. Payroll*	1.93	449	16.83	12.53	3	G, O
151179	HSHW	Information Security Analysts and Web Developers	1.86	800	32.92	20.69	3	SOC 2010
132071		Loan Counselors	2.62	156	19.99	14.85	4	G
319011		Massage Therapists	1.72	450	18.04	10.96	3	EW
493051		Motorboat Mechanics	2.57	176	17.60	10.91	3	G
472141		Painters, Construction and Maintenance*	2.64	1,244	15.44	10.85	3	EW
492022	HSHW	Telecommunications Equipment Installers and Repairers	0.95	427	23.65	16.08	3	G
251194	HSHW	Vocational Education Teachers, Postsecondary	2.87	315	27.65	16.57	4	G

†SOC Code and Occupational Title refer to Standard Occupational Classification codes and titles.

††HSHW = High Skill/High Wage.

*EW = Entry Wage, G = Annual Percent Growth, O = Annual Openings.

SOC 2010: 151179 is a new occupation in the 2010 Standard Occupational Classification system.

Occupations Dropped From The 2012-13 Final Florida Statewide Demand Occupations List

Post Secondary Adult Vocational Certificate or College Credit Certificate/Associate Degree

Sorted by Occupational Title

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SOC Code†	HSHW††	Occupational Title†	Annual	Annual	2012 Hourly Wage		FLDOE	Reason
			Percent		Openings	Mean		
			Growth				Code	
173011	HSHW	Architectural and Civil Drafters	-0.08	127	22.97	15.98	3	G
274011		Audio and Video Equipment Technicians	1.34	121	19.29	12.12	4	G, O
535021		Captains, Mates, and Pilots of Water Vessels	1.27	152	29.12	11.26	3	G, O
173022	HSHW	Civil Engineering Technicians	1.31	130	23.48	14.65	4	G, O
532012	HSHW	Commercial Pilots	1.32	179	44.59	20.91	3	G, O
131072	HSHW	Compensation, Benefits, and Job Analysis Specialists*	0.54	77	27.29	18.18	4	G, O
333012		Correctional Officers and Jailers*	-0.01	554	19.04	14.58	3	G
492094	HSHW	Electrical and Electronics Repairers, Coml. and Ind. Equipment	0.88	153	24.19	16.97	3	G, O
131071		Employment, Recruitment, and Placement Specialists	NA	NA	NA	NA	3	SOC 2010
119051	HSHW	Food Service Managers	0.15	333	26.53	18.71	4	G, O
434131		Loan Interviewers and Clerks*	0.04	237	17.48	12.93	3	G, O
292012		Medical and Clinical Laboratory Technicians	1.37	202	18.53	11.60	4	G, O
319094		Medical Transcriptionists	1.10	144	14.87	11.20	3	G, O
151081		Network Systems and Data Communications Analysts	NA	NA	NA	NA	3	SOC 2010
292081		Opticians, Dispensing	1.21	133	17.96	11.80	3	G, O
435031		Police, Fire, and Ambulance Dispatchers	1.49	205	18.76	13.12	3	G, O
339021	HSHW	Private Detectives and Investigators	1.44	105	21.78	15.34	4	G, O
419021	HSHW	Real Estate Brokers	1.32	327	36.34	13.49	3	G, O
535011		Sailors and Marine Oilers*	1.26	155	17.20	11.34	3	G, O
173031		Surveying and Mapping Technicians*	1.47	185	19.33	12.50	3	G, O
518031	HSHW	Water and Liquid Waste Treatment Plant Operators	1.54	226	21.75	14.70	3	G, O

†SOC Code and Occupational Title refer to Standard Occupational Classification codes and titles.

††HSHW = High Skill/High Wage.

*G = Annual Percent Growth, O = Annual Openings.

SOC 2010: Occupations 131071 and 151081 are incorporated into 131078 and 151142 respectively in the 2010 Standard Occupation Classification system.

131078 (Human Resources, Labor Relations, and Training Specialists, All Other) is a bachelor's degree-level occupation and therefore ineligible for the 2013-14 preliminary Florida statewide demand occupations list.

151142 (Network and Computer Systems Architects and Administrators) is on the 2013-14 preliminary Florida statewide demand occupations list.

2013-14 High Demand Occupations Requiring a Bachelor's Degree

Wage Criteria Indexed by 2012 Q2 Employment Cost Index

Sorted by Occupational Title

Workforce Estimating Conference Selection Criteria:

- 1 FLDOE Training Code 5 (Bachelor's Degree)
 - 2 50 annual openings and average growth rate of 1.55% or 150 annual openings with any positive growth
 - 3 Mean Wage of \$24.44/hour (\$50,835/year) and Entry Wage of \$17.11/hour (\$35,589/year)
- Note: The mean wage of \$24.04 and the entry wage of \$16.83, adopted as criteria in 2011, were indexed to Second Quarter 2012 with the Employment Cost Index.

SOC Code†	Occupational Title†	Annual	Annual	2012 Hourly Wage		FLDOE Training Code	STEM Occupation?
		Percent Growth	Openings	Mean	Entry		
132011	Accountants and Auditors	1.87	3,237	32.09	19.43	5	Yes
112011	Advertising and Promotions Managers	1.64	59	44.70	24.50	5	No
172031	Biomedical Engineers	5.93	51	38.15	24.94	5	Yes
132031	Budget Analysts	1.75	104	30.88	21.42	5	No
251011	Business Teachers, Postsecondary	2.48	248	56.48	29.17	5	No
111011	Chief Executives**	0.79	660	92.19	48.26	5	No
172051	Civil Engineers	2.00	581	39.95	25.73	5	Yes
113021	Computer and Information Systems Managers**	1.61	250	60.86	41.48	5	Yes
251021	Computer Science Teachers, Postsecondary	2.31	84	54.41	29.90	5	Yes
291031	Dietitians and Nutritionists	1.42	199	27.74	17.98	5	Yes
119032	Education Administrators, Elementary and Secondary**	1.26	200	43.07	31.80	5	No
119033	Education Administrators, Postsecondary**	2.39	83	52.32	35.62	5	No
172071	Electrical Engineers	1.00	249	40.05	26.99	5	Yes
252021	Elementary School Teachers, Except Special Education	1.94	2,889	30.94	22.64	5	No
119041	Engineering Managers**	1.37	213	57.06	38.88	5	Yes
172081	Environmental Engineers	2.03	134	34.05	19.33	5	Yes
192041	Environmental Scientists & Specialists, Including Health	1.15	264	27.24	17.49	5	Yes
132051	Financial Analysts	1.86	326	34.44	22.71	5	Yes
113031	Financial Managers**	1.13	530	59.12	33.97	5	Yes
113121	Human Resources Managers	1.69	119	49.85	31.30	5	No
172112	Industrial Engineers	0.79	289	33.26	20.33	5	Yes
252012	Kindergarten Teachers, Except Special Education	1.98	506	30.62	22.26	5	No
131081	Logisticians	3.34	206	32.71	21.46	5	Yes
131111	Management Analysts**	2.35	1,869	35.65	18.64	5	No
112021	Marketing Managers	1.88	295	53.42	27.25	5	No
172141	Mechanical Engineers	0.83	271	37.01	22.94	5	Yes
119111	Medical and Health Services Managers**	2.06	422	50.14	31.41	5	No
252022	Middle School Teachers, Exc. Special & Voc. Education	1.92	1,239	31.23	23.66	5	No
132052	Personal Financial Advisors	2.67	575	39.63	17.73	5	No
291071	Physician Assistants	2.75	174	46.06	35.42	5	Yes
272012	Producers and Directors	1.14	239	32.07	17.58	5	No
112031	Public Relations Managers**	1.55	70	52.89	32.49	5	No
273031	Public Relations Specialists	2.11	608	28.57	17.14	5	No
291111	Registered Nurses*	2.31	6,865	31.31	23.58	4/5	Yes
112022	Sales Managers	1.34	604	62.26	30.47	5	No
252031	Secondary School Teachers, Exc. Special and Voc. Ed.	0.93	1,451	32.53	24.28	5	No
413031	Securities and Financial Services Sales Agents	1.05	756	42.35	18.62	5	No
151133	Software Developers, Systems Software	2.55	537	43.61	29.95	5	Yes
252053	Special Education Teachers, Middle School	2.26	198	32.87	24.14	5	No
252041	Special Education Teachers, Preschool - Elementary	2.27	489	32.57	23.82	5	No
193051	Urban and Regional Planners	1.77	93	31.14	22.12	5	No
252032	Vocational Education Teachers, Secondary School**	0.20	151	33.37	21.78	5	No

†SOC Code and Occupational Title refer to Standard Occupational Classification codes and titles.

* Entrance into the occupation can be obtained with either an associate's degree or a bachelor's degree. Due to the strong labor market demand for registered nurses, this occupation is being recommended for targeting by both the workforce system (2 years or less programs) and by the four year degree institutions as well.

** Entrance into the occupation is typically obtained with a bachelor's degree accompanied by relevant work experience.

Occupations Added To the List of 2013-14 High Demand Occupations Requiring a Bachelor's Degree Wage Criteria Indexed by 2012 Q2 Employment Cost Index Sorted by Occupational Title

Workforce Estimating Conference Selection Criteria:

- 1 FLDOE Training Code 5 (Bachelor's Degree)
- 2 50 annual openings and average growth rate of 1.55% or 150 annual openings with any positive growth
- 3 Mean Wage of \$24.44/hour (\$50,835/year) and Entry Wage of \$17.11/hour (\$35,589/year)

SOC Code†	Occupational Title†	Annual Percent Growth	Annual Openings	2012 Hourly Wage		FLDOE Training Code	Reason Added*
				Mean	Entry		
112011	Advertising and Promotions Managers	1.64	59	44.70	24.50	5	G, O
172031	Biomedical Engineers	5.93	51	38.15	24.94	5	O
132031	Budget Analysts	1.75	104	30.88	21.42	5	PEX
251011	Business Teachers, Postsecondary	2.48	248	56.48	29.17	5	PEX
291031	Dietitians and Nutritionists	1.42	199	27.74	17.98	5	O
119033	Education Administrators, Postsecondary**	2.39	83	52.32	35.62	5	G
113121	Human Resources Managers	1.69	119	49.85	31.30	5	SOC 2010
132052	Personal Financial Advisors	2.67	575	39.63	17.73	5	EW
272012	Producers and Directors	1.14	239	32.07	17.58	5	EW
273031	Public Relations Specialists	2.11	608	28.57	17.14	5	EW

†SOC Code and Occupational Title refer to Standard Occupational Classification codes and titles.

*EW = Entry Wage, G = Annual Percent Growth, O = Annual Openings.

PEX: Occupation was previously excluded from demand occupations list due to substantial work experience required for entry to occupation.

SOC 2010: In the 2000 Standard Occupational Classification system 113121 was incorporated into a residual occupation (113049 - Human Resources Managers, All Other) that was ineligible for the demand occupations list.

Occupations Dropped from the List of 2012-13
 High Demand Occupations Requiring a Bachelor's Degree
 Wage Criteria Indexed by 2012 Q2 Employment Cost Index
 Sorted by Occupational Title

Workforce Estimating Conference Selection Criteria:

- 1 FLDOE Training Code 5 (Bachelor's Degree)
- 2 50 annual openings and average growth rate of 1.55% or
150 annual openings with any positive growth
- 3 Mean Wage of \$24.44/hour (\$50,835/year) and Entry Wage of \$17.11/hour (\$35,589/year)

SOC Code†	Occupational Title†	Annual Percent Growth	Annual Openings	2012 Hourly Wage		FLDOE Training Code	Reason Dropped*
				Mean	Entry		
271011	Art Directors**	0.75	54	34.92	23.31	5	G, O
171012	Landscape Architects	1.38	44	33.40	21.05	5	O
254021	Librarians	1.11	273	27.68	19.17	5	TC
252043	Special Education Teachers, Secondary School	0.94	147	32.80	23.74	5	G, O
171022	Surveyors	2.20	107	27.97	16.75	5	EW
273042	Technical Writers	1.52	71	27.56	18.47	5	G, O

†SOC Code and Occupational Title refer to Standard Occupational Classification codes and titles.

*EW = Entry Wage, G = Annual Percent Growth, O = Annual Openings, TC = Training Code.

2013-14 High Demand Occupations Requiring a
Master's or Higher Degree
Wage Criteria Indexed by 2012 Q2 Employment Cost Index
Sorted by Occupational Title

Workforce Estimating Conference Selection Criteria:

- 1 FLDOE Training Code 6 (Master's or Higher Degree)
- 2 50 annual openings and average growth rate of 1.55% or 150 annual openings with any positive growth
- 3 Mean Wage of \$29.33/hour (\$61,006/year) and Entry Wage of \$20.53/hour (\$42,702/year)
Note: The mean wage of \$28.85 and the entry wage of \$20.19, adopted as criteria in 2011, were indexed to Second Quarter 2012 with the Employment Cost Index.

SOC Code†	Occupational Title†	Annual	Annual	2012 Hourly Wage		FLDOE	STEM
		Percent		Openings	Mean		
		Growth				Code	
291061	Anesthesiologists	2.50	84	125.76	NA	6	Yes
171011	Architects, Except Landscape and Naval	2.24	230	38.02	23.33	6	Yes
251121	Art, Drama, and Music Teachers, Postsecondary	2.40	164	42.84	23.60	6	No
251042	Biological Science Teachers, Postsecondary	2.10	101	52.30	29.91	6	Yes
193031	Clinical, Counseling, and School Psychologists	1.77	198	33.55	23.63	6	No
251122	Communications Teachers, Postsecondary	2.22	78	43.75	26.97	6	No
291021	Dentists, General	1.88	396	71.66	36.71	6	Yes
251081	Education Teachers, Postsecondary	2.34	119	48.00	30.27	6	No
251032	Engineering Teachers, Postsecondary	2.17	86	68.97	39.99	6	Yes
251123	English Language & Literature Teachers, Postsecondary	2.13	149	44.12	26.20	6	No
291062	Family and General Practitioners	2.19	286	83.89	38.88	6	Yes
251071	Health Specialties Teachers, Postsecondary	2.41	480	67.51	29.02	6	Yes
291063	Internists, General	2.45	127	104.74	58.53	6	Yes
231011	Lawyers	2.00	2,119	58.58	25.38	6	No
251022	Mathematical Science Teachers, Postsecondary	2.04	122	44.61	27.26	6	Yes
191042	Medical Scientists, Except Epidemiologists	4.60	159	43.61	20.76	6	Yes
251072	Nursing Instructors and Teachers, Postsecondary	2.26	115	46.10	31.54	6	Yes
291122	Occupational Therapists	2.63	316	38.95	28.57	6	No
291041	Optometrists	1.80	91	62.86	26.00	6	Yes
291065	Pediatricians, General	2.48	54	79.53	47.80	6	Yes
291051	Pharmacists	1.92	806	54.66	46.24	6	Yes
291123	Physical Therapists	2.59	492	40.13	28.99	6	No
251066	Psychology Teachers, Postsecondary	2.36	95	51.04	30.48	6	No
291127	Speech and Language Pathologists	1.85	260	34.16	22.43	6	No
291067	Surgeons	2.35	89	110.99	NA	6	Yes
291131	Veterinarians	2.81	159	48.89	28.75	6	Yes

†SOC Code and Occupational Title refer to Standard Occupational Classification codes and titles.

Occupations Added To the List of 2013-14
 High Demand Occupations Requiring a Master's or Higher Degree
 Wage Criteria Indexed by 2012 Q2 Employment Cost Index
Sorted by Occupational Title

Workforce Estimating Conference Selection Criteria:

- 1 FLDOE Training Code 6 (Master's or Higher Degree)
- 2 50 annual openings and average growth rate of 1.55% or 150 annual openings with any positive growth
- 3 Mean Wage of \$28.85/hour (\$60,000/year) and Entry Wage of \$20.19/hour (\$42,000/year)

SOC Code†	Occupational Title†	Annual Percent Growth	Annual Openings	2012 Hourly Wage		FLDOE Training Code	Reason Added*
				Mean	Entry		
251122	Communications Teachers, Postsecondary	2.22	78	43.75	26.97	6	O
251123	English Language & Literature Teachers, Postsecondary	2.13	149	44.12	26.20	6	G
251022	Mathematical Science Teachers, Postsecondary	2.04	122	44.61	27.26	6	G

†SOC Code and Occupational Title refer to Standard Occupational Classification codes and titles.

*G = Annual Percent Growth, O = Annual Openings.

Occupations Dropped from the 2013-14 List of High Demand Occupations Requiring a Master's or Higher Degree Wage Criteria Indexed by 2012 Q2 Employment Cost Index Sorted by Occupational Title

Workforce Estimating Conference Selection Criteria:

- 1 FLDOE Training Code 6 (Master's or Higher Degree)
- 2 50 annual openings and average growth rate of 1.55% or
150 annual openings with any positive growth
- 3 Mean Wage of \$29.33/hour (\$61,006/year) and Entry Wage of \$20.53/hour (\$42,702/year)

SOC Code†	Occupational Title†	Annual Percent Growth	Annual Openings	2012 Hourly Wage		FLDOE Training Code	Reason Dropped*
				Mean	Entry		
291011	Chiropractors	1.74	148	40.18	20.33	6	EW

†SOC Code and Occupational Title refer to Standard Occupational Classification codes and titles.

*EW = Entry Wage.



**FLORIDA
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Florida Labor Market and Economic Update

Workforce Estimating Conference

**Labor Market Statistics Center
September 7, 2012**



Labor Force Conditions

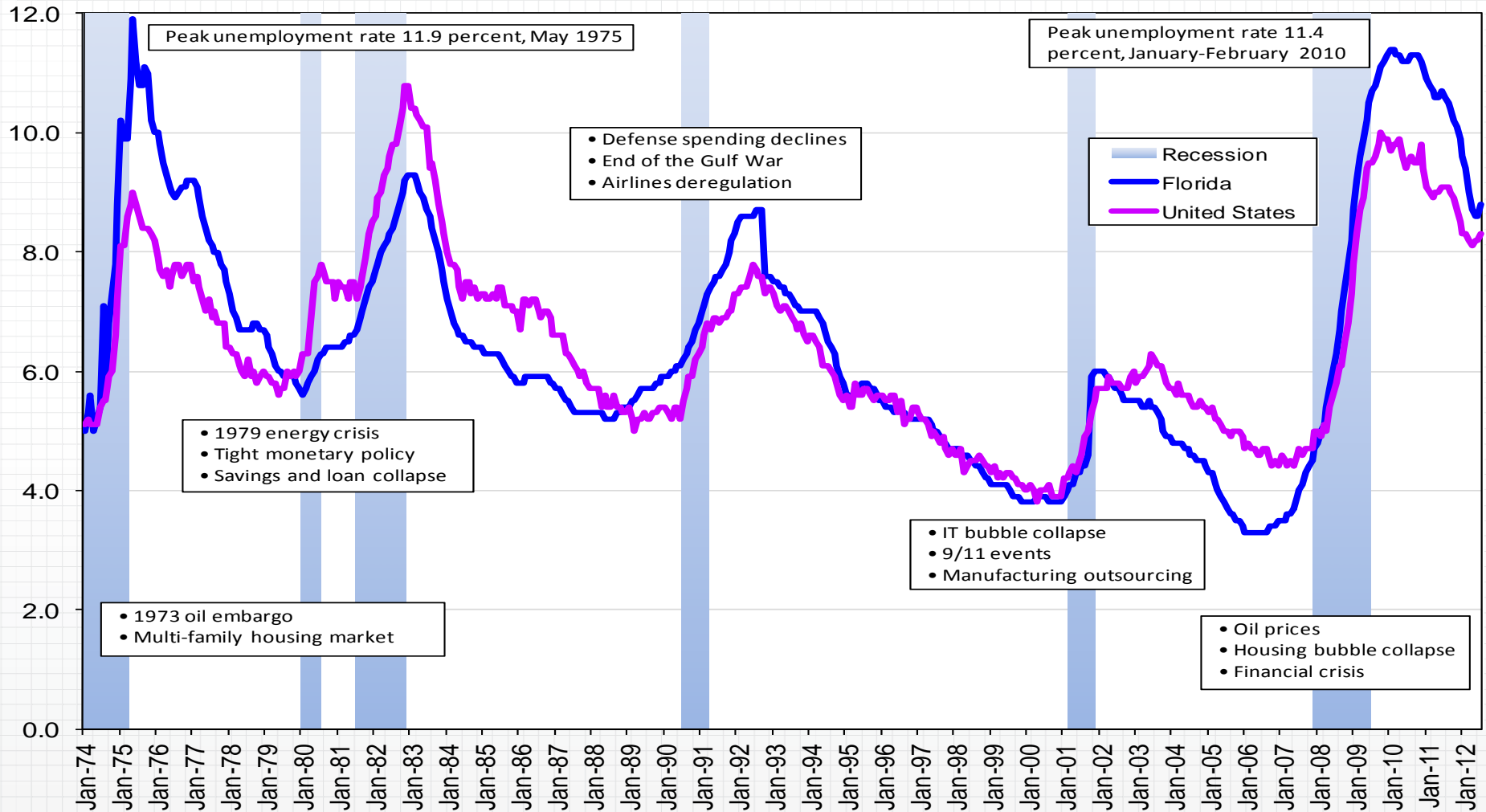
July 2012, Seasonally Adjusted

- 🌐 **The current state unemployment rate is down from the high rates reported in early 2010 (11.4 percent)**
- 🌐 **The unemployment rate in the state has been higher than the nation since April 2008**

Area	Labor Force	Employment	Unemployment	Unemployment Rate	Year Ago Unemployment Rate
Florida	9,269,000	8,453,000	816,000	8.8	10.6
United States	155,013,000	142,220,000	12,794,000	8.3	9.1

Source: U.S. Department of Labor, Bureau of Labor Statistics, Local Area Unemployment Statistics Program in cooperation with the Florida Department of Economic Opportunity, Labor Market Statistics Center, released August 17, 2012.

Unemployment Rates, Florida and the United States January 1974 – July 2012, Seasonally Adjusted



Source: U.S. Department of Labor, Bureau of Labor Statistics, Local Area Unemployment Statistics Program in cooperation with the Florida Department of Economic Opportunity, Labor Market Statistics Center, released August 17, 2012.



Unemployment Rates in the Ten Most Populous States Ranked by Unemployment Rate, Seasonally Adjusted

State	July 2012(P) Unemployment Rate (%)	July 2011 Unemployment Rate (%)	Change
California	10.7	11.9	-1.2
North Carolina	9.6	10.7	-1.1
Georgia	9.3	10.0	-0.7
New York	9.1	8.2	0.9
Michigan	9.0	10.6	-1.6
Illinois	8.9	10.1	-1.2
Florida	8.8	10.6	-1.8
Pennsylvania	7.9	8.1	-0.2
Ohio	7.2	8.9	-1.7
Texas	7.2	8.1	-0.9

Source: U.S. Department of Labor, Bureau of Labor Statistics, Local Area Unemployment Statistics Program in cooperation with the Florida Department of Economic Opportunity, Labor Market Statistics Center, released August 17, 2012.



Nonagricultural Employment Seasonally Adjusted

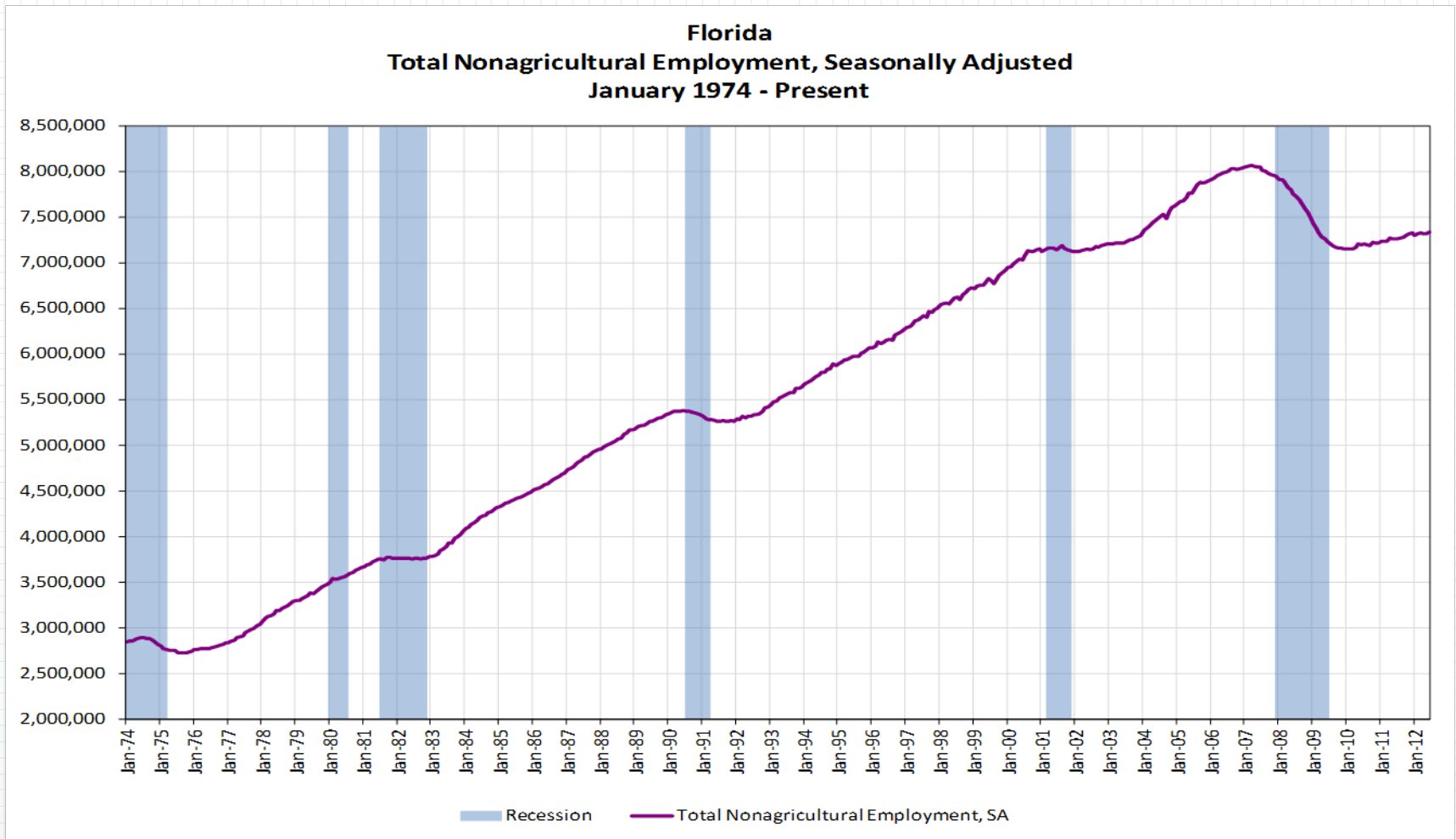
- 🌐 **Florida's jobs grew in July on an annual basis for the 24th consecutive month**
- 🌐 **Florida has lost 743,400 jobs during the current downturn (March 2007 to July 2012)**

Seasonally Adjusted	July 2012	July 2011	Change	Percent Change
Florida	7,331,400	7,261,500	69,900	1.0%
United States	133,245,000	131,407,000	1,838,000	1.4%

Source: U.S. Department of Labor, Bureau of Labor Statistics, Current Employment Statistics Program, released August 17, 2012.
Prepared by: Florida Department of Economic Opportunity, Labor Market Statistics Center.



Florida Nonagricultural Employment Seasonally Adjusted, 1974-Current

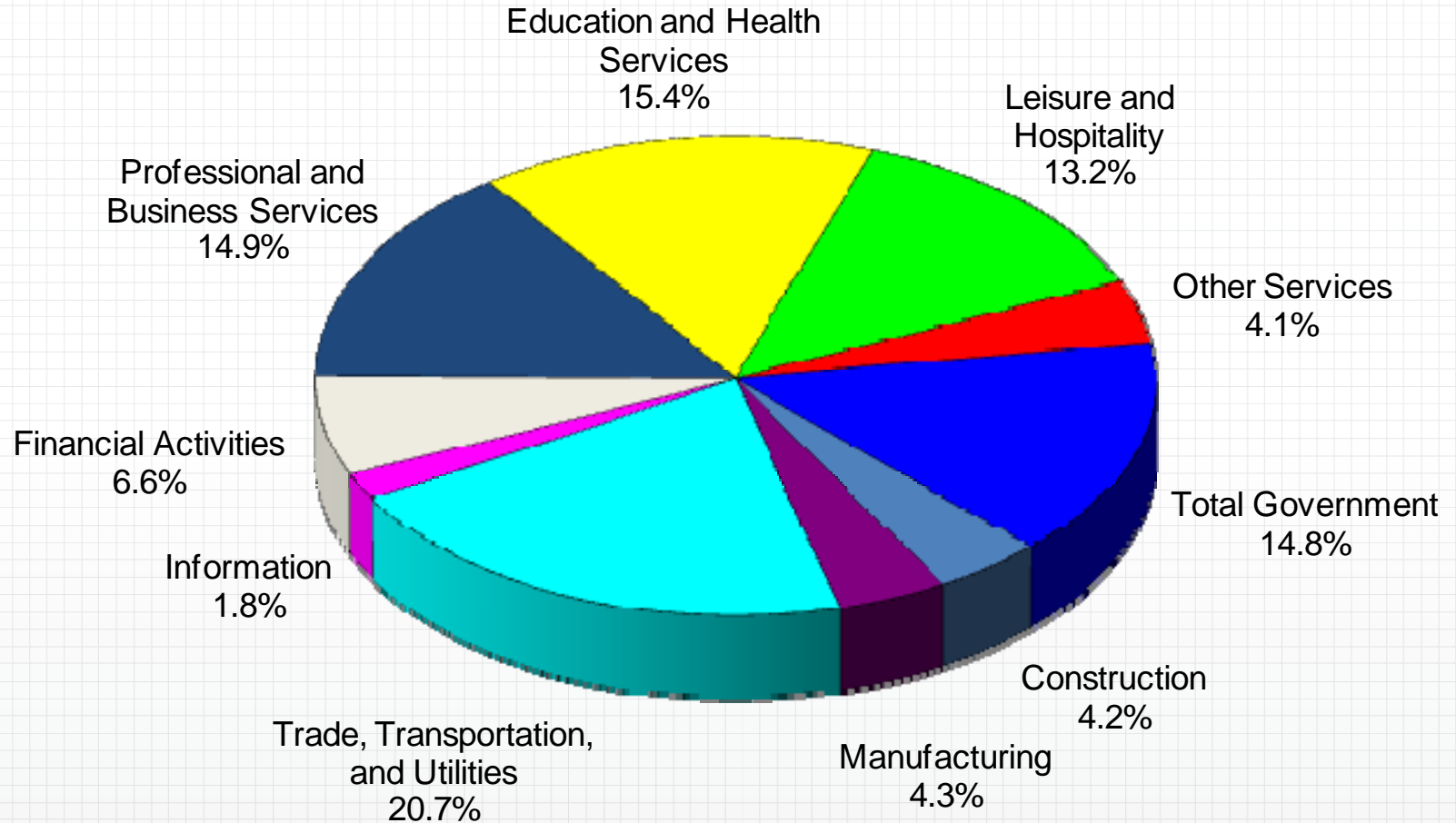


Source: U.S. Department of Labor, Bureau of Labor Statistics, Current Employment Statistics Program, released August 17, 2012.
 Prepared by: Florida Department of Economic Opportunity, Labor Market Statistics Center.



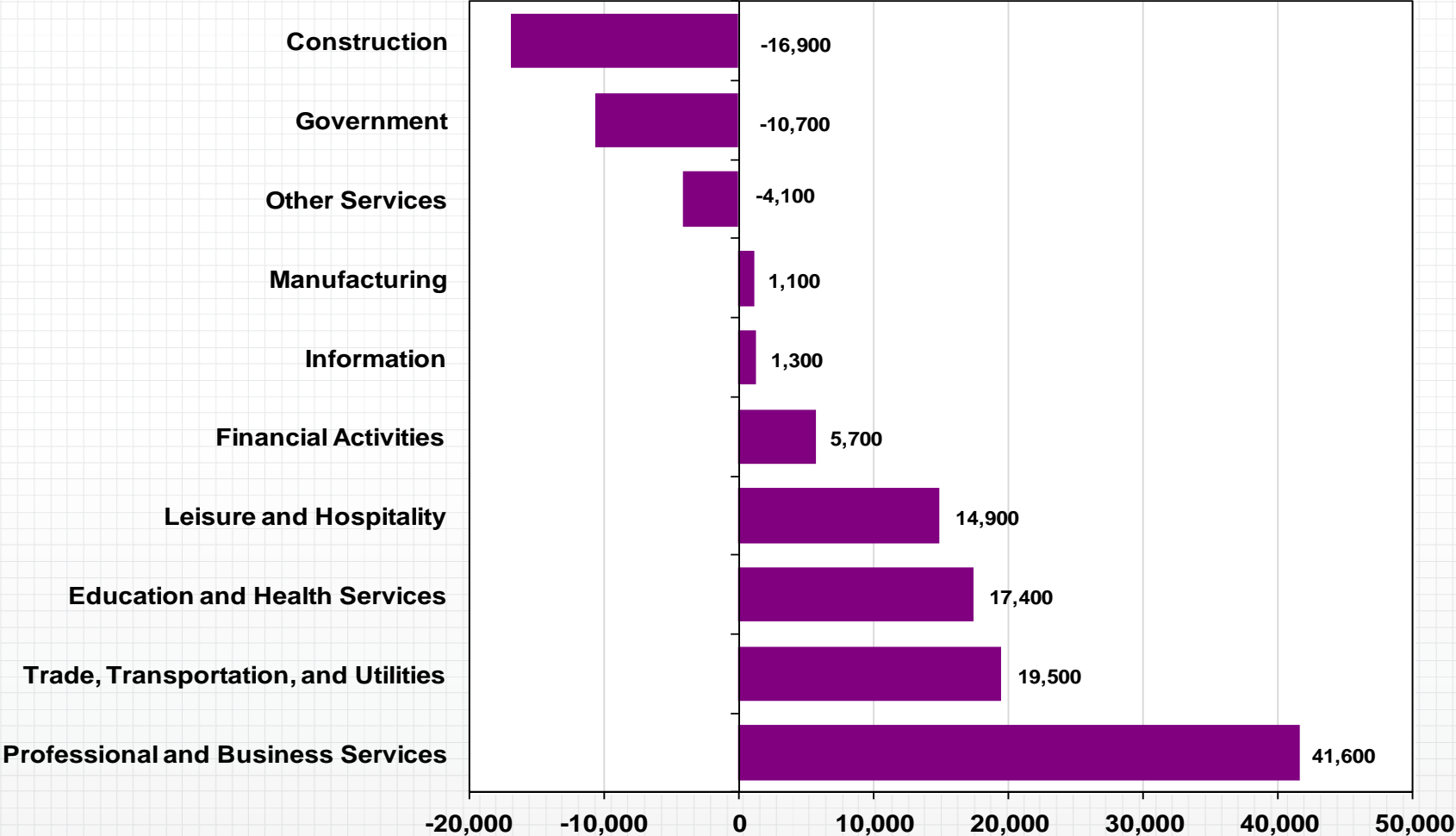
Nonagricultural Employment by Industry

Florida, July 2012 (Seasonally Adjusted)



Source: U.S. Department of Labor, Bureau of Labor Statistics, Current Employment Statistics Program, released August 17, 2012.
Prepared by: Florida Department of Economic Opportunity, Labor Market Statistics Center.

Professional and Business Services Gained the Most Jobs Over the Year Florida, July 2011 – July 2012, Seasonally Adjusted



Source: U.S. Department of Labor, Bureau of Labor Statistics, Current Employment Statistics Program, released August 17, 2012.
Prepared by: Florida Department of Economic Opportunity, Labor Market Statistics Center.



Employment in the Ten Most Populous States

Ranked by Over-the-Year Level Change, Seasonally Adjusted

State	July 2012P	July 2011 - July 2012P	
		Percent Change	Level Change
California	14,358,600	2.6%	365,100
Texas	10,804,000	2.1%	222,500
New York	8,808,500	1.3%	113,300
Ohio	5,187,100	2.0%	100,300
Florida	7,331,400	1.0%	69,900
Michigan	4,004,300	1.5%	59,800
Georgia	3,933,800	1.3%	50,800
North Carolina	3,956,700	0.9%	36,800
Illinois	5,686,900	0.5%	28,600
Pennsylvania	5,709,200	0.4%	20,000

Source: U.S. Department of Labor, Bureau of Labor Statistics, Current Employment Statistics Program, released August 17, 2012.
Prepared by: Florida Department of Economic Opportunity, Labor Market Statistics Center.



Wages by Industry

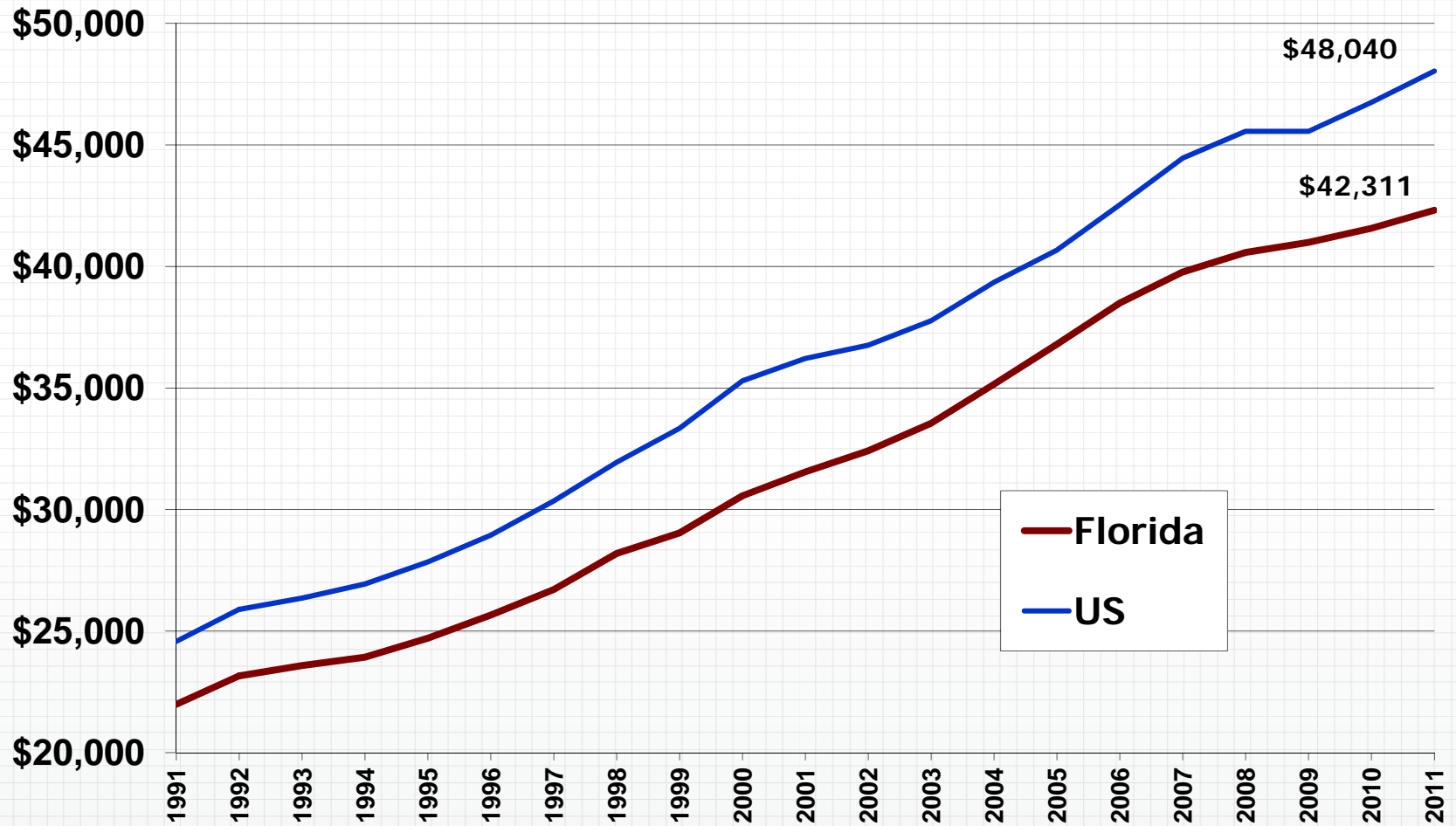
Florida, 2011

Industry	Average Annual Wages
Total, All Industries	\$42,311
Information	\$64,542
Financial Activities	\$59,482
Manufacturing	\$52,373
Professional and Business Services	\$50,822
Government	\$47,823
Education and Health Services	\$44,454
Construction	\$40,873
Trade, Transportation, and Utilities	\$37,751
Other Services	\$29,807
Natural Resources and Mining	\$25,151
Leisure and Hospitality	\$21,824

Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Quarterly Census of Employment and Wages Program. Released June 2012.



Average Annual Wage



Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Quarterly Census of Employment and Wages Program, in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics, 2011 preliminary.

Real-Time LMI

Help-Wanted OnLine

Occupations In Demand

Top Advertised Occupations for Florida-August 2012	Online Ads August 2012	Online Ads August 2011
Florida Total Ads	264,253	230,949
Registered Nurses *	17,411	13,053
Retail Salespersons	9,142	7,846
First-Line Supervisors/Managers of Retail Sales Workers *	7,983	6,769
Customer Service Representatives	6,602	5,707
Truck Drivers, Heavy and Tractor-Trailer *	5,078	4,162
First-Line Supervisors/Managers of Food Preparation and Serving Workers *	4,597	4,091
Web Developers	4,396	3,895
Sales Reps, Whlse & Manufacturing, Except Technical and Scientific Products *	4,342	4,325
Computer Systems Analysts	4,068	4,090
Occupational Therapists	3,930	3,708
Executive Secretaries and Administrative Assistants *	3,871	3,459
Physical Therapists	3,743	4,472
Medical and Health Services Managers	3,498	3,105
Telemarketers	3,434	2,840
First-Line Supervisors/Managers of Office and Administrative Support Workers *	3,308	2,874
Insurance Sales Agents *	3,193	2,798
Computer Support Specialists	3,153	2,919
Sales Agents, Financial Services	3,093	2,588
Accountants	3,074	2,628
Sales Representatives, Services, All Other	3,048	2,597

Note: The * denotes occupations on the new 2013-14 statewide demand occupation list.

Source: The Conference Board, Help Wanted OnLine.

Prepared by: The Florida Department of Economic Opportunity, Labor Market Statistics Center.



Real-Time LMI

Help-Wanted OnLine

Occupations In Demand

Top Advertised Occupations Requiring Post-Secondary and Associate Degrees	Online Ads August 2012	Online Ads August 2011
Florida Total Ads	264,253	230,949
Registered Nurses *	17,411	13,053
First-Line Supervisors/Managers of Retail Sales Workers *	7,983	6,769
Customer Service Representatives	6,602	5,707
Truck Drivers, Heavy and Tractor-Trailer *	5,078	4,162
First-Line Supervisors/Managers of Food Prep & Serving Workers *	4,597	4,091
Web Developers	4,396	3,895
Sales Reps, Wholesale & Manufacturing, Except Technical & Scientific Products *	4,342	4,325
Computer Systems Analysts	4,068	4,090
Executive Secretaries and Administrative Assistants *	3,871	3,459
First-Line Supervisors/Managers of Office and Administrative Support Workers *	3,308	2,874
Insurance Sales Agents *	3,193	2,798
Computer Support Specialists	3,153	2,919
Sales Reps, Wholesale & Manufacturing, Technical & Scientific Products *	2,559	2,319
Maintenance and Repair Workers, General	2,426	1,870
Network and Computer Systems Administrators	2,293	2,092
Bookkeeping, Accounting, and Auditing Clerks *	2,297	1,785
Computer Software Engineers, Applications	2,215	1,844
First-Line Supervisors/Managers of Non-Retail Sales Workers *	2,187	1,696
Medical Secretaries *	2,014	1,822
General and Operations Managers *	1,920	1,597

Note: The * denotes occupations on the new 2013-14 statewide demand occupation list.

Source: The Conference Board, Help Wanted OnLine.

Prepared by: The Florida Department of Economic Opportunity, Labor Market Statistics Center.



Real-Time LMI

Help-Wanted OnLine

Occupations In Demand

Top Advertised Occupations Requiring a Bachelor's Degree	Online Ads August 2012	Online Ads August 2011
Florida Total Ads	264,253	230,949
Occupational Therapists	3,945	3,708
Medical and Health Services Managers *	3,510	3,105
Sales Agents, Financial Services *	3,101	2,588
Accountants *	3,088	2,629
Sales Managers *	2,568	2,245
Marketing Managers *	2,305	1,965
Financial Managers, Branch or Department *	1,817	1,567
Management Analysts *	1,437	1,100
Industrial Engineers *	1,313	1,338
Public Relations Specialists *	1,202	861
Market Research Analysts	1,153	908
Human Resources Managers	1,040	716
Physician Assistants *	1,016	657
Training and Development Specialists	993	796
Computer and Information Systems Managers *	919	829
Personal Financial Advisors *	897	462
Auditors *	798	768
Financial Analysts *	714	698
Tutors	659	491
Mechanical Engineers *	631	679

Note: The * denotes occupations on the new 2013-14 statewide demand occupation list.

Source: The Conference Board, Help Wanted OnLine.

Prepared by: The Florida Department of Economic Opportunity, Labor Market Statistics Center.



Real-Time LMI

Help-Wanted OnLine

Occupations In Demand

Top Advertised Occupations Requiring a Master's Degree and Above	Online Ads August 2012	Online Ads August 2011
Florida Total Ads	264,253	230,949
Physical Therapists *	3,776	4,475
Speech-Language Pathologists *	1,979	2,062
Lawyers *	844	688
Family and General Practitioners *	749	963
Nurse Practitioners	664	241
Pharmacists *	643	833
Educational, Vocational, and School Counselors	567	587
Mental Health and Substance Abuse Social Workers	557	435
Physicians and Surgeons, All Other	487	569
Internists, General *	467	624
Surgeons *	456	454
Operations Research Analysts	402	416
Medical Scientists, Except Epidemiologists *	393	323
Dentists, General *	315	161
Child, Family, and School Social Workers	234	277
Health Specialties Teachers, Postsecondary *	204	198
Psychiatrists	184	196
Art, Drama, and Music Teachers, Postsecondary *	177	173
Hospitalists	176	283
Medical and Public Health Social Workers	172	186

Note: The * denotes occupations on the new 2013-14 statewide demand occupation list.

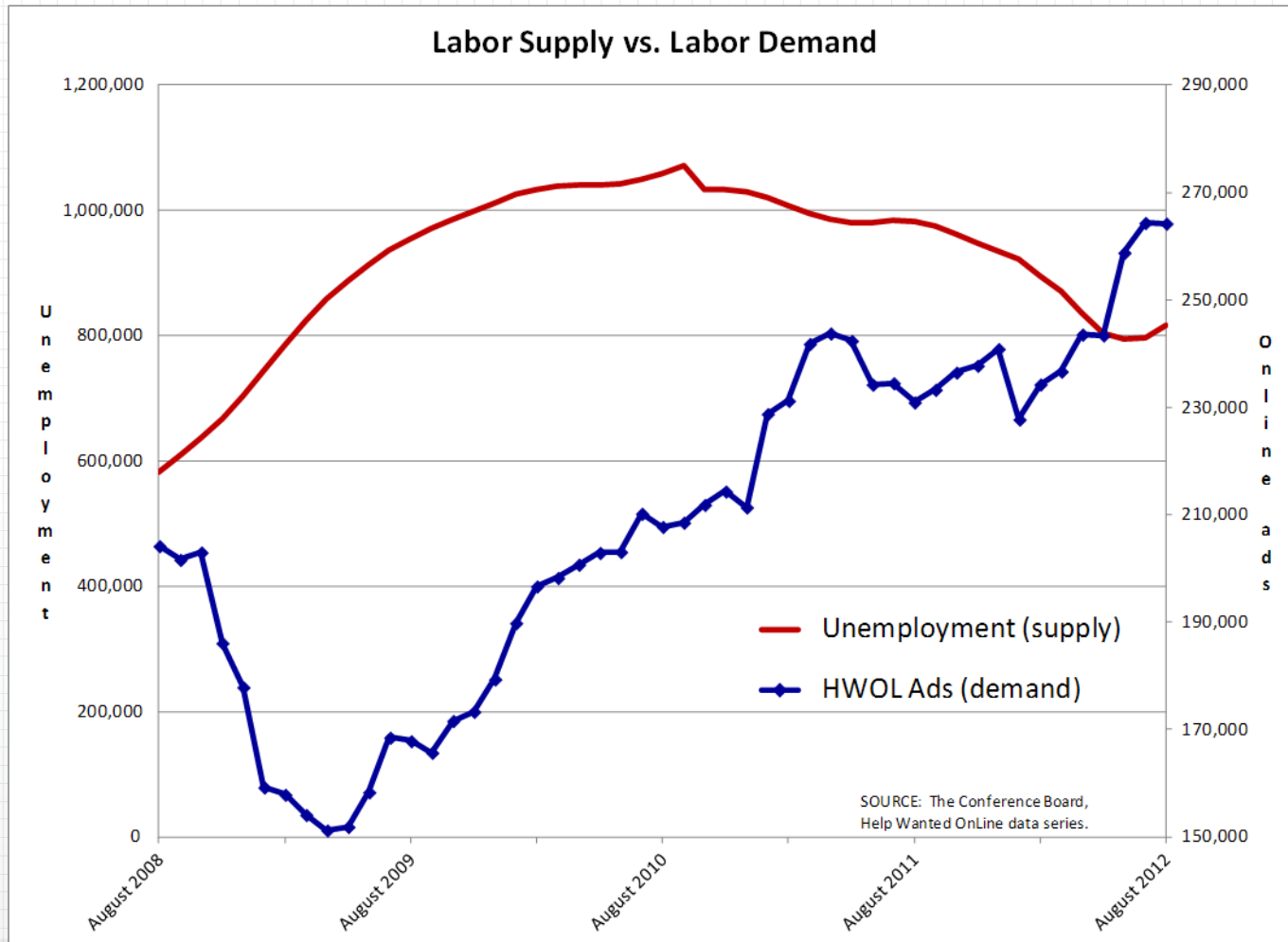
Source: The Conference Board, Help Wanted OnLine.

Prepared by: The Florida Department of Economic Opportunity, Labor Market Statistics Center.



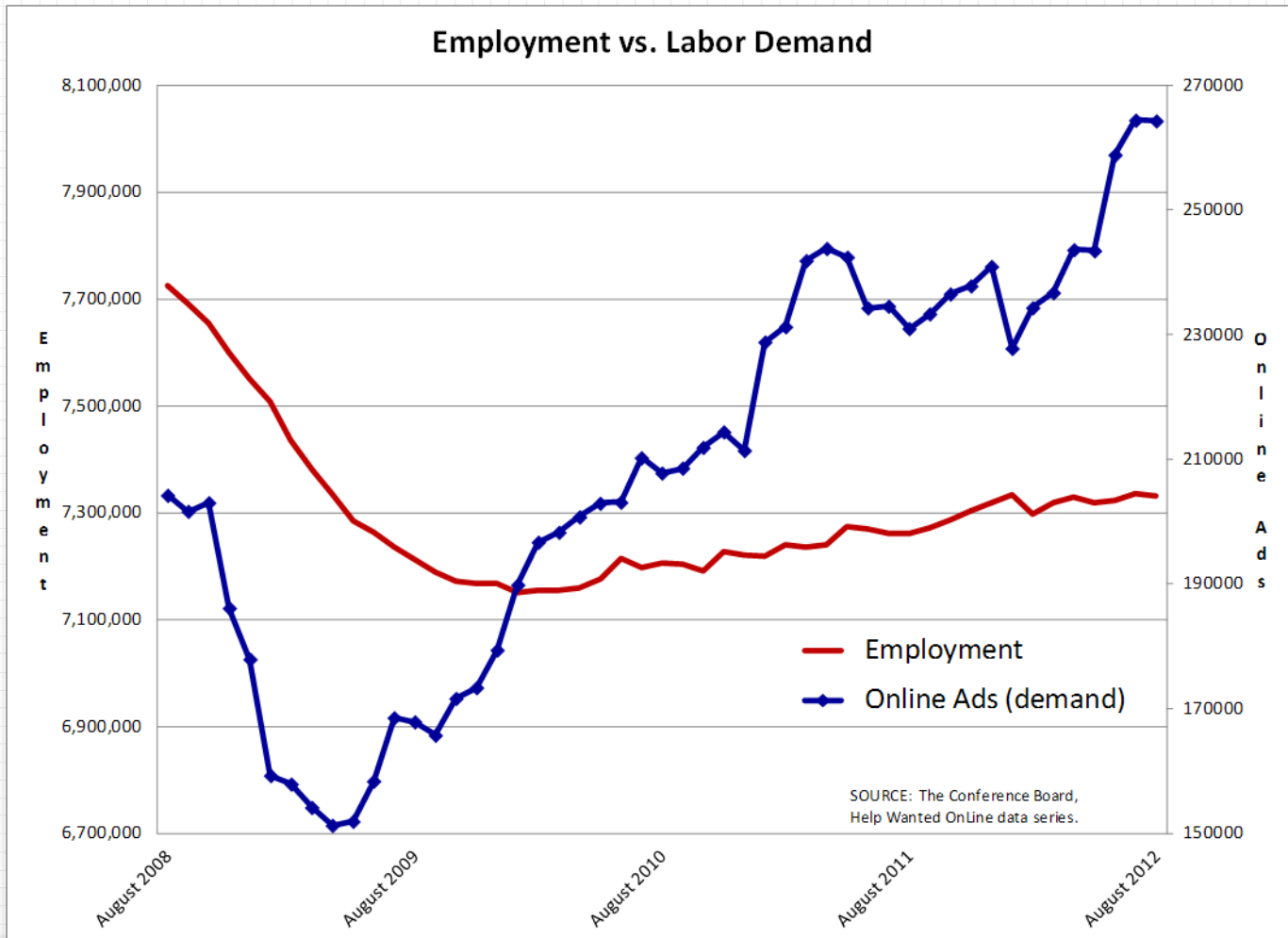
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Targeted Industry Clusters

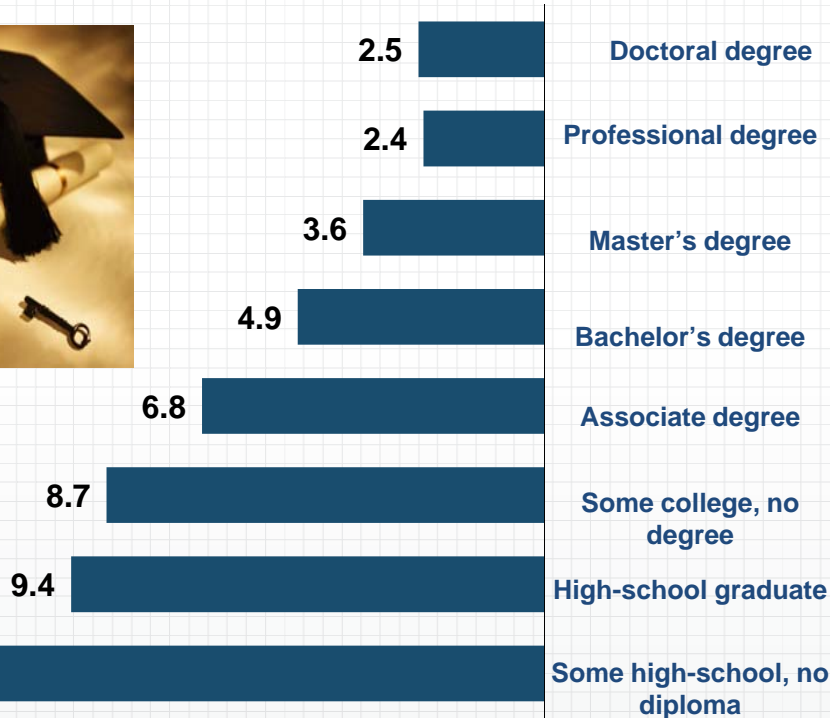
-  Cleantech
 -  Life Sciences
 -  Infotech
 -  Aviation and Aerospace
 -  Logistics and Distribution
 -  Homeland Security/Defense
 -  Financial/Professional Services
- Strategic Areas of Emphasis
- Manufacturing
 - Corporate Headquarters
 - Emerging Technologies



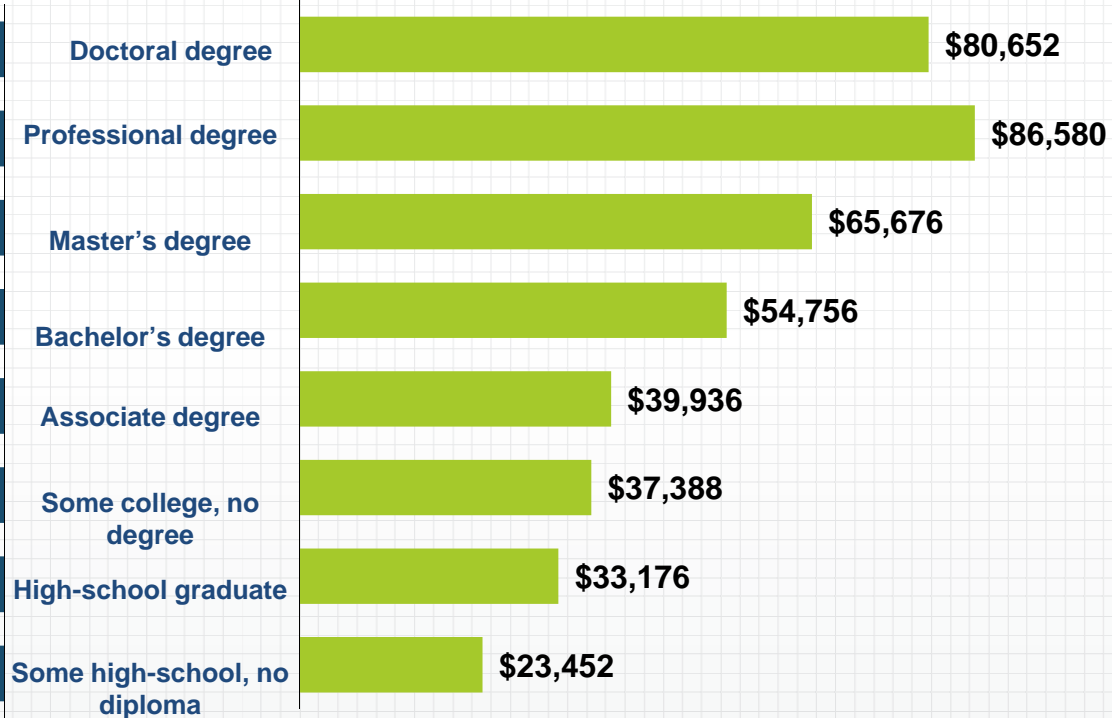
Education and Training pay ...

2011 Annual Average

Unemployment Rate (Percent)



Median Earnings (Dollars)



Notes: Unemployment and earnings for workers 25 and older; earnings for full-time wage and salary workers. 2011 Weekly Median Earnings (multiplied by 52 weeks).

Source: Bureau of Labor Statistics, Current Population Survey. March 2012.

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**FLORIDA
DEPARTMENT *of*
ECONOMIC
OPPORTUNITY**

Employment Projections to 2020

Florida Workforce Estimating Conference

Labor Market Statistics Center

**September 7, 2012
Tallahassee, FL**



Employment Projections -- Background

- Employment forecast covers the period 2012-2020
- Independent variables included national and Florida industry employment, population, personal income, unemployment rates, and housing starts
- Staffing patterns derived from the 2011 annual occupational survey, with over 55,000 employer responses representing more than 4.1 million workers, were used to produce the occupational projections

Employment Projections -- Assumptions

- Florida population growth will be slower and is not forecast to return to pre-recession rates in the forecast period
- Long-term job growth is expected to be weaker due to:
 - A prolonged, sluggish recovery at the state and national levels
 - Continuing global financial and economic problems
- The unemployment rate is forecast to decline to 6.5 percent by 2020
- Entry level educational requirements for occupations will not change significantly

Industry Employment Demand to 2020 Highlights

- Florida is projected to gain more than one million new jobs between 2012 and 2020 (1.6% annual growth)
- The projected employment in 2020 is just over 9 million jobs
- Nearly 80 percent in this forecast will be the regaining of jobs lost during the recent economic downturn
- All major industry sectors will see employment gains, except information and natural resources and mining; however, only 5 of the 12 major industry sectors are projected to exceed their pre-recession employment peak
- Some industries hardest hit by job losses between 2007 and 2012 will experience more job gains over the long term and they will have above average growth rates as they regain some jobs from their lowest employment levels in a decade

Employment Forecast by Major Industry Sector Florida 2012-2020

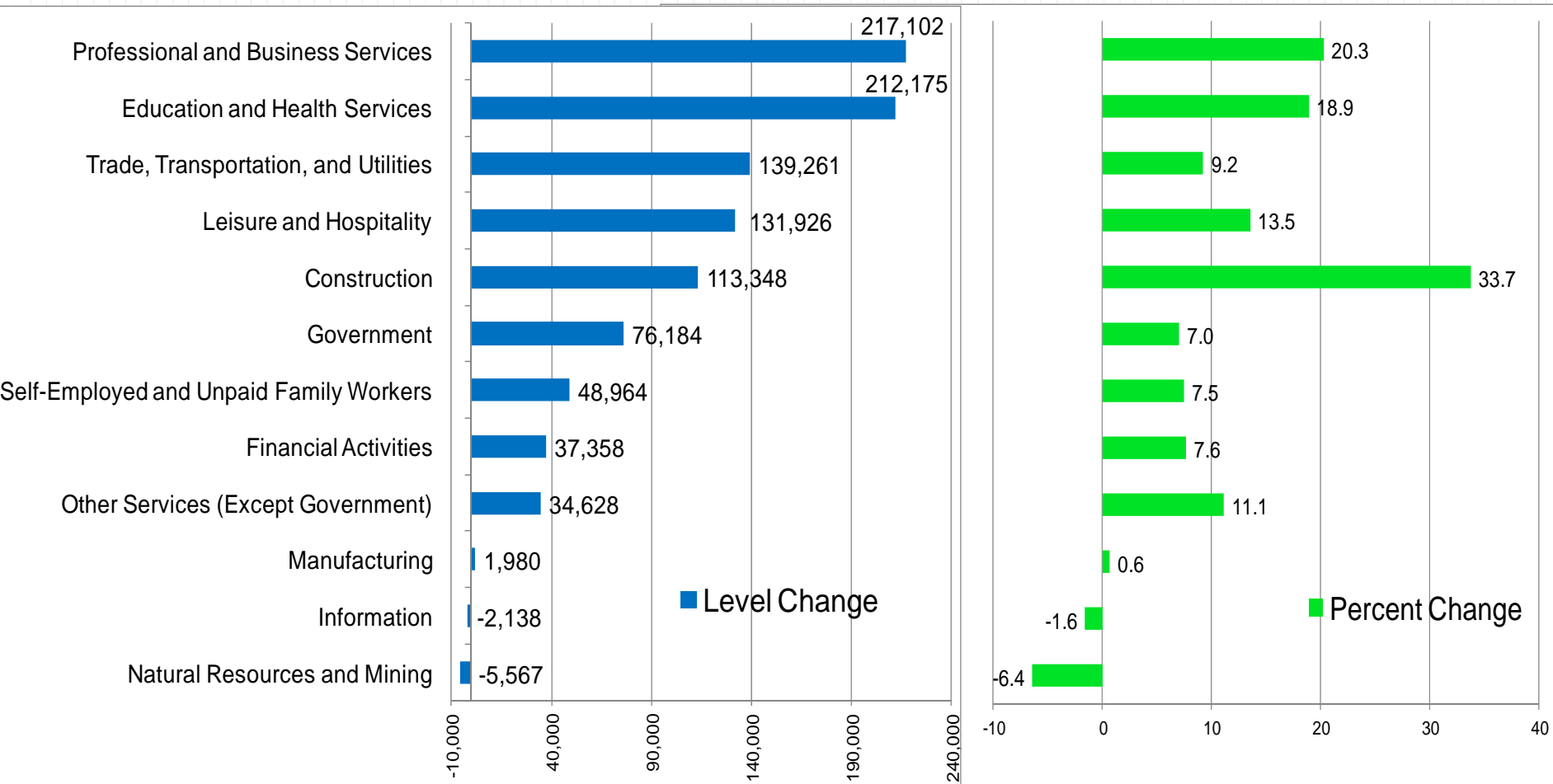
Ranked by Annual Employment Level Change

Industry	Employment		Annual Change	
	2012	2020	Level	Percent
Total, All Industries	8,087,670	9,092,891	125,653	1.6
Professional and Business Services	1,070,220	1,287,322	27,138	2.5
Education and Health Services	1,123,036	1,335,211	26,522	2.4
Trade, Transportation, and Utilities	1,511,848	1,651,109	17,408	1.2
Leisure and Hospitality	973,816	1,105,742	16,491	1.7
Construction	335,954	449,302	14,169	4.2
Government	1,086,917	1,163,101	9,523	0.9
Self-Employed and Unpaid Family Workers	657,068	706,032	6,121	0.9
Financial Activities	489,217	526,575	4,670	1.0
Other Services (except Government)	311,142	345,770	4,329	1.4
Manufacturing	309,974	311,954	248	0.1
Information	132,154	130,016	-267	-0.2
Natural Resources and Mining	86,324	80,757	-696	-0.8

Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.



Employment Growth by Major Industry Sector Florida 2012-2020

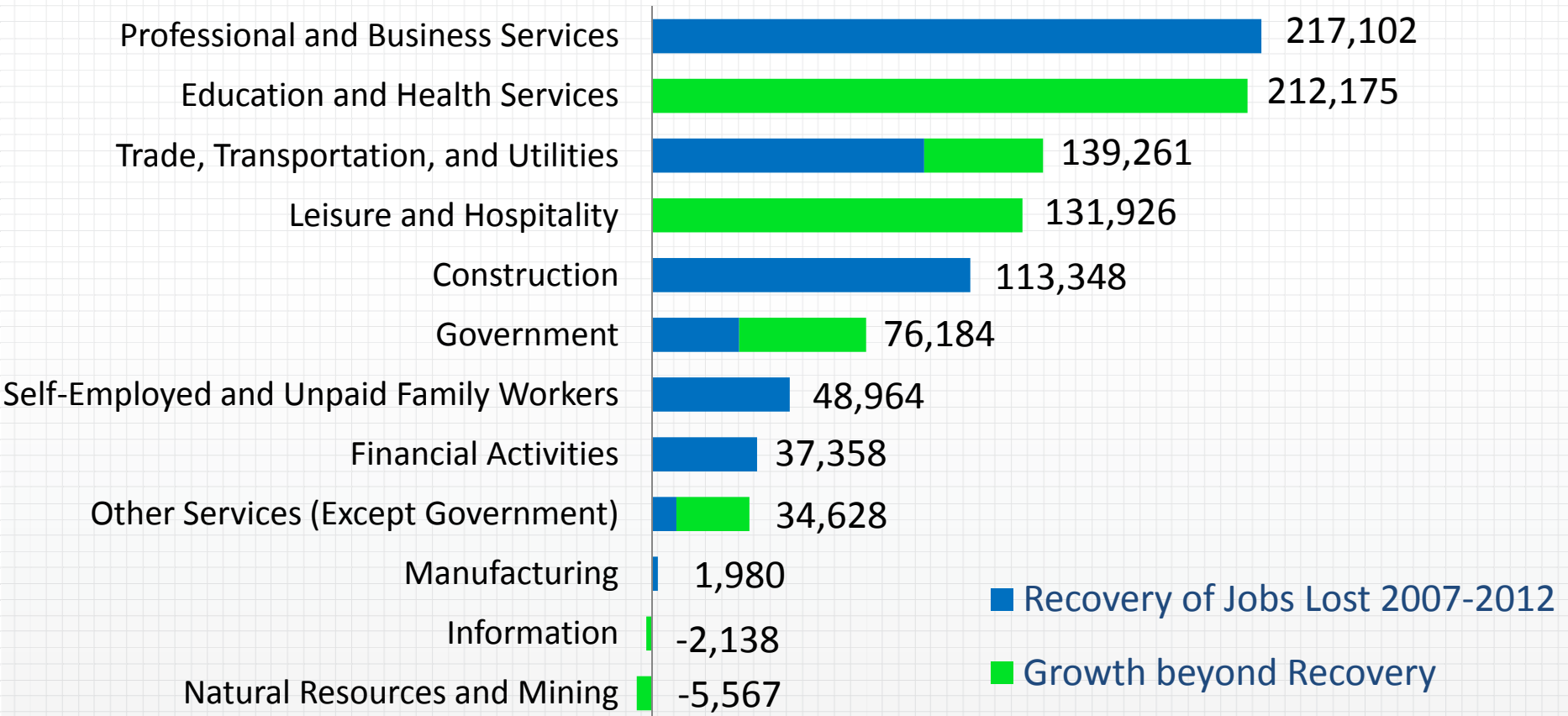


Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.



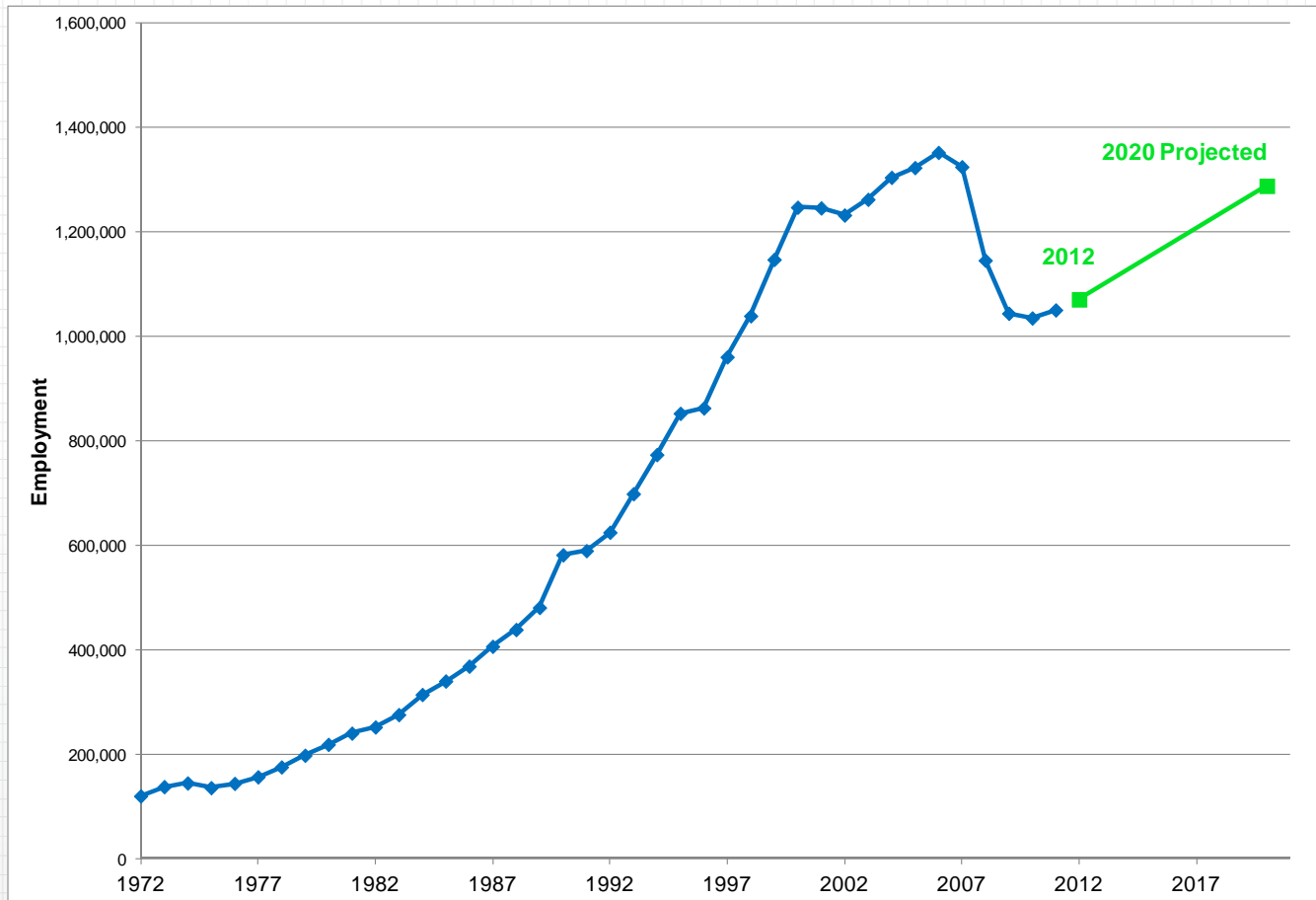
Employment Change by Major Industry Sector Florida 2012-2020

Projected Employment Change 2012-20



Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.

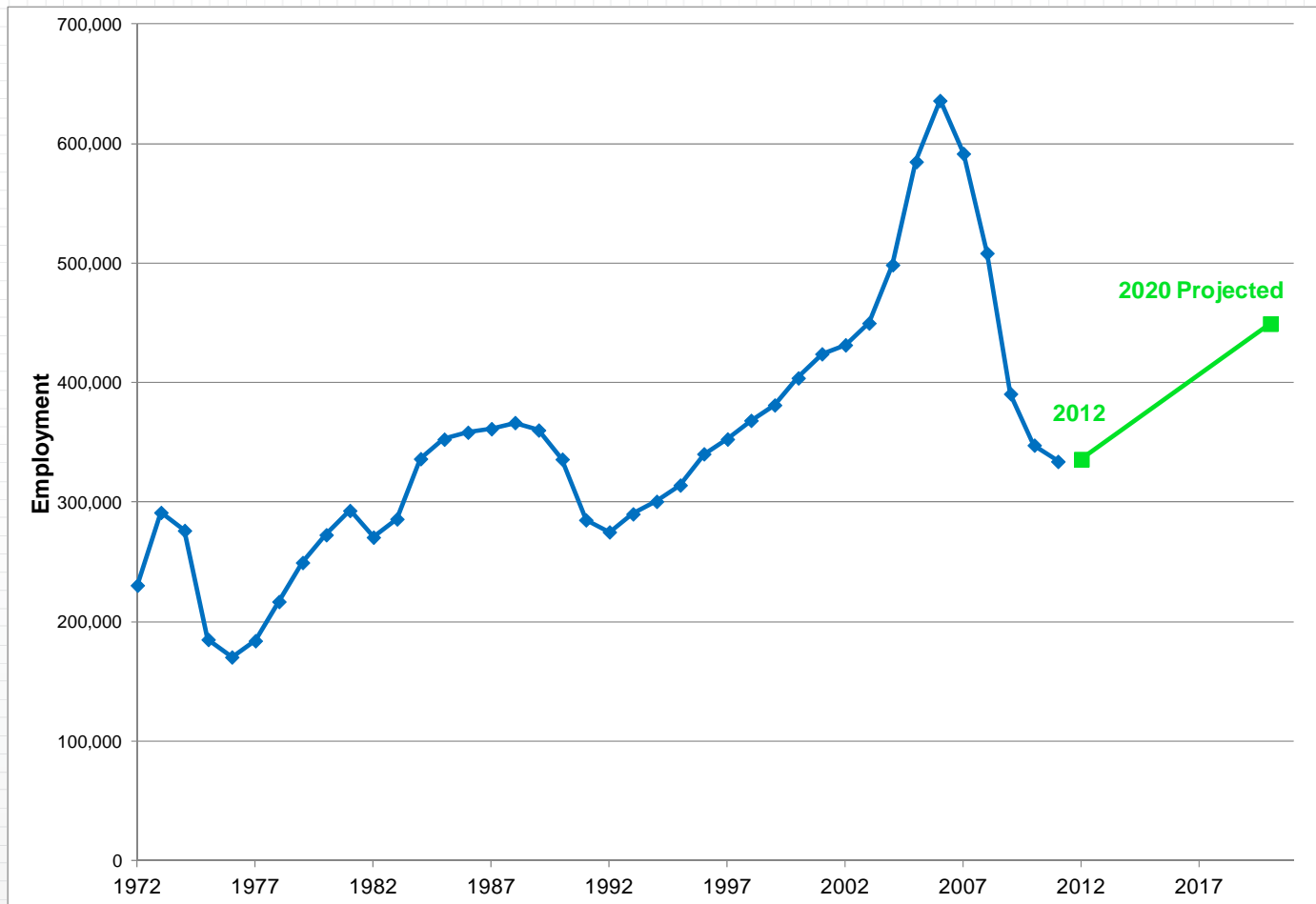
Professional and Business Services Is Projected to Gain the Most Jobs



Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.



Construction Is Projected to Grow the Fastest



Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.

Detailed Industries Gaining the Most New Jobs Florida 2012-2020

Ranked by Annual Level Change

Detailed Industry	Employment		Annual Change	
	2012	2020	Level	Percent
Administrative and Support Services	513,095	625,202	14,013	2.7
Ambulatory Health Care Services	409,882	503,623	11,718	2.9
Professional, Scientific, and Technical Services	457,359	550,795	11,680	2.6
Food Services and Drinking Places	622,048	713,994	11,493	1.8
Local Government	740,109	816,460	9,544	1.3
Specialty Trade Contractors	231,615	303,510	8,987	3.9
Nursing and Residential Care Facilities	180,918	214,449	4,191	2.3
Educational Services (Private)	157,890	190,151	4,033	2.6
Hospitals (Private)	260,681	290,647	3,746	1.4
Construction of Buildings	61,493	88,576	3,385	5.5

Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.



Fastest-Growing Detailed Industries*

Florida 2012-2020

Ranked by Average Annual Growth Rate

Detailed Industry	Employment		Annual Change	
	2012	2020	Level	Percent
Construction of Buildings	61,493	88,576	3,385	5.5
Heavy and Civil Engineering Construction	42,846	57,216	1,796	4.2
Specialty Trade Contractors	231,615	303,510	8,987	3.9
Nonmetallic Mineral Product Manufacturing	14,843	18,473	454	3.1
Ambulatory Health Care Services	409,882	503,623	11,718	2.9
Administrative and Support Services	513,095	625,202	14,013	2.7
Educational Services	157,890	190,151	4,033	2.6
Professional, Scientific, and Technical Services	457,359	550,795	11,680	2.6
Social Assistance	113,665	136,341	2,835	2.5
Nursing and Residential Care Facilities	180,918	214,449	4,191	2.3

*includes industries with a minimum of 3,500 jobs in 2012

Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.



Projections by Occupational Group

Florida 2012-2020

- All occupational groups are projected to gain jobs between 2012 and 2020, except farming, fishing, and forestry
- Five occupational groups (clerical, sales, food service, healthcare professionals, and construction) will account for 50 percent of new jobs
- Clerical, sales, and food service occupations will gain the most new jobs
- Construction, healthcare support, and healthcare professional occupations will grow the fastest



Employment Forecast by Major Occupational Group

Florida 2012-2020

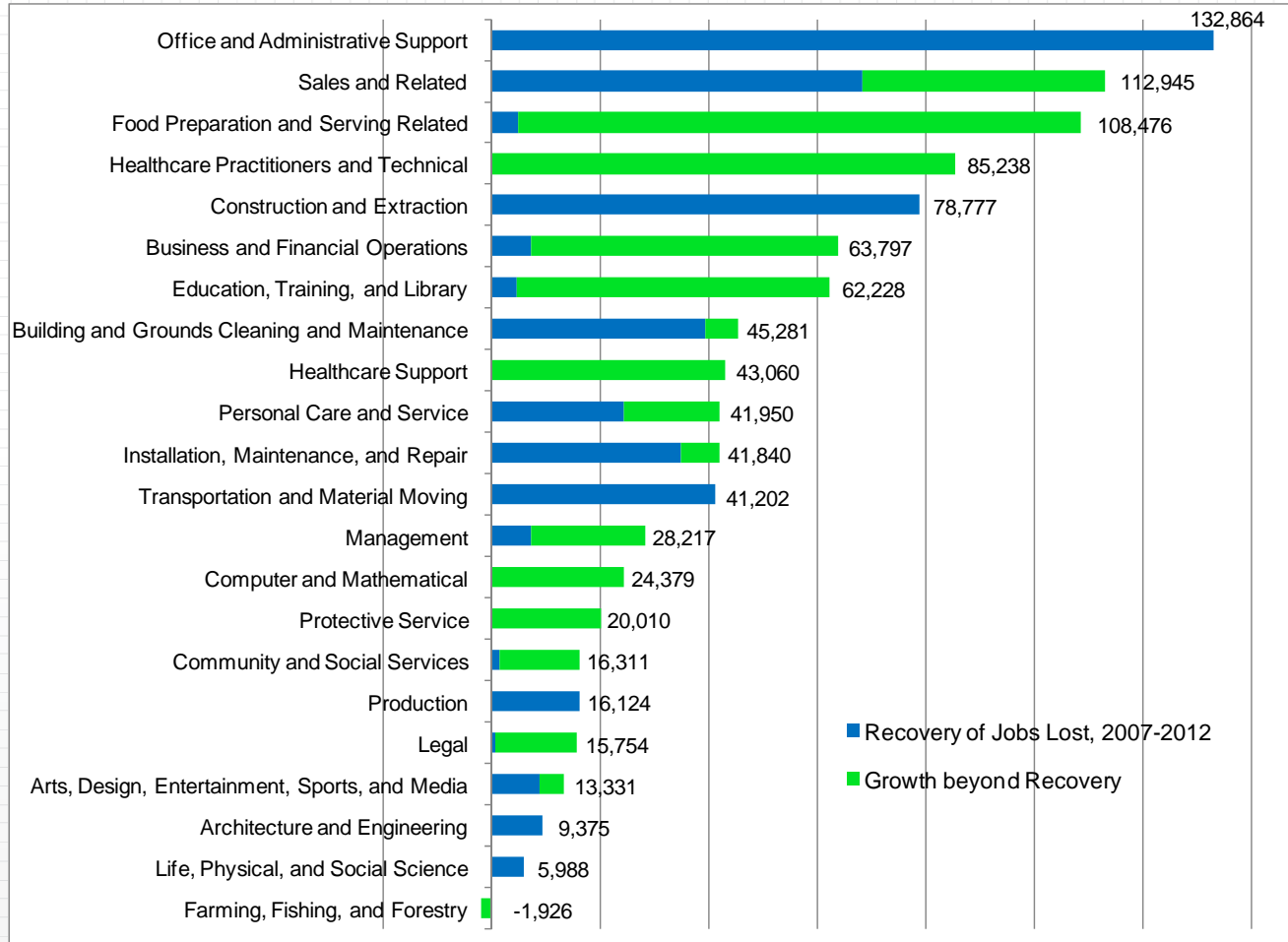
Ranked by Level Change

Occupational Group	Employment		2012-20 Change	
	2012	2020	Level	Percent
Total, All Occupations	8,087,670	9,092,891	1,005,221	12.43
Office and Administrative Support	1,410,497	1,543,361	132,864	9.42
Sales and Related	1,082,200	1,195,145	112,945	10.44
Food Preparation and Serving Related	759,392	867,868	108,476	14.28
Healthcare Practitioners and Technical	474,914	560,152	85,238	17.95
Construction and Extraction	326,534	405,311	78,777	24.13
Business and Financial Operations	412,456	476,253	63,797	15.47
Education, Training, and Library	436,018	498,246	62,228	14.27
Building and Grounds Cleaning and Maintenance	342,429	387,710	45,281	13.22
Healthcare Support	226,888	269,948	43,060	18.98
Personal Care and Service	264,686	306,636	41,950	15.85
Installation, Maintenance, and Repair	329,889	371,729	41,840	12.68
Transportation and Material Moving	430,687	471,889	41,202	9.57
Management	358,190	386,407	28,217	7.88
Computer and Mathematical	171,019	195,398	24,379	14.26
Protective Service	221,485	241,495	20,010	9.03
Community and Social Services	109,844	126,155	16,311	14.85
Production	280,108	296,232	16,124	5.76
Legal	91,344	107,098	15,754	17.25
Arts, Design, Entertainment, Sports, and Media	140,694	154,025	13,331	9.48
Architecture and Engineering	107,495	116,870	9,375	8.72
Life, Physical, and Social Science	43,484	49,472	5,988	13.77
Farming, Fishing, and Forestry	67,417	65,491	(1,926)	-2.86

Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.



Employment Change by Major Occupational Group Florida 2012-2020



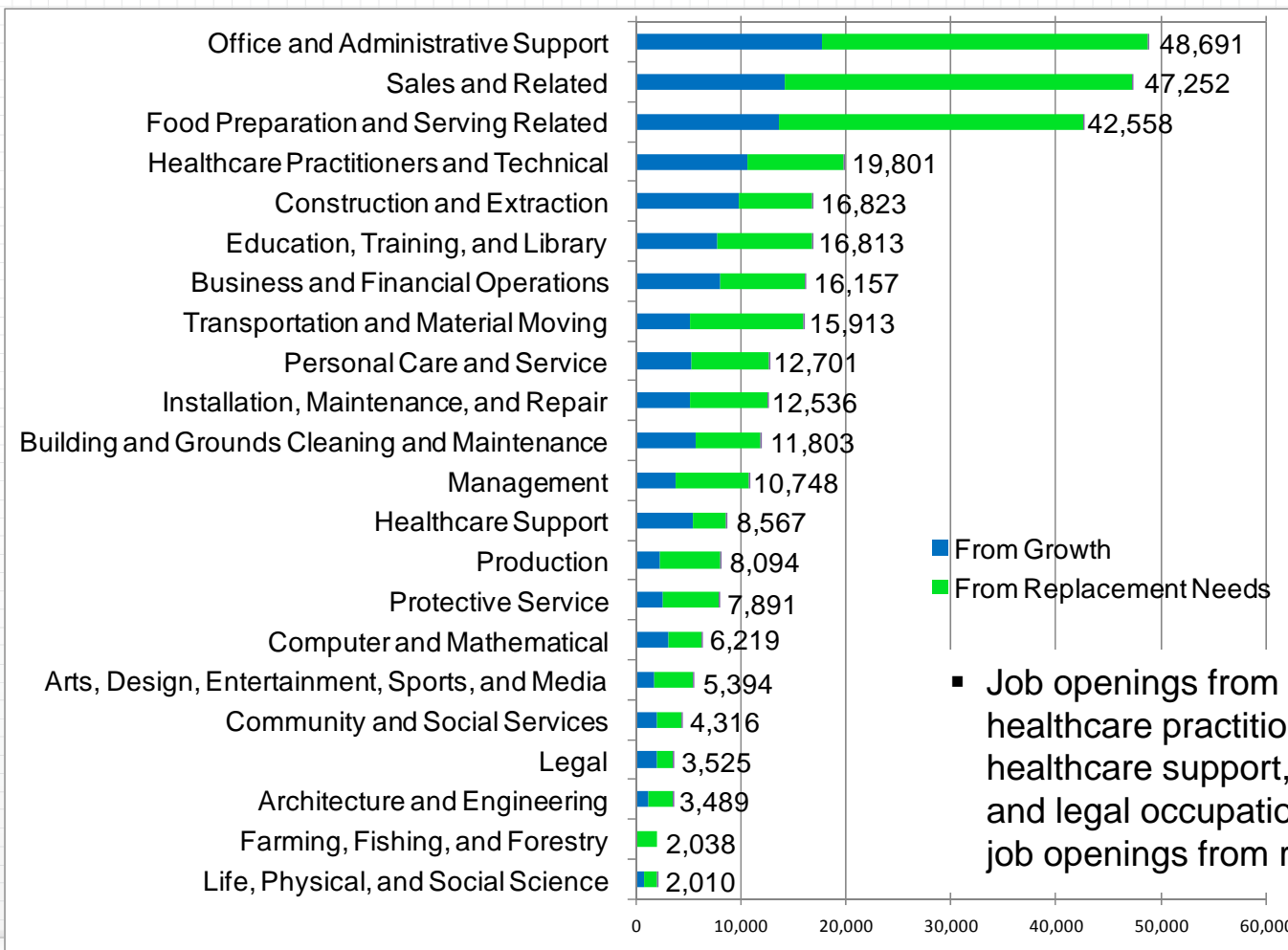
Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.

Florida Job Openings to 2020

- Openings include:
 - Newly created jobs due to industry growth
 - Vacancies due to workers retiring or leaving the workforce
- Openings do not include moving from one employer to another within the same occupation
- There are 2,586,721 projected total job openings, cumulative for the period 2012-2020:
 - 1,563,802 openings due to replacement need (Baby Boomers retiring)
 - 1,022,919 openings due to industry growth
- Of the 2,586,721 projected job openings:
 - 2,236,178 (86 percent) will require an Associate degree or less
 - 250,922 (10 percent) will require a Bachelor's degree
 - 99,621 (4 percent) will require a Master's degree or higher



Projected Job Openings by Major Occupational Group Florida 2012-2020



- Job openings from growth in healthcare practitioners, healthcare support, construction, and legal occupations will exceed job openings from replacement

Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.

Occupational Employment Projections to 2020

- Of the top 10 occupations expected to gain the most new jobs, most are among the largest occupations in the state; have widespread demand within numerous industries; involve considerable part-time work; and have minimal requirements for entry
- All 10 occupations expected to gain the most jobs are in service industries
- Workers in the postal service, publishing, and farming are among the top 10 declining occupations



Occupations Gaining the Most New Jobs Florida 2012-2020

RANK	OCCUPATIONAL TITLE	EMPLOYMENT		ANNUAL CHANGE		AVERAGE	EDUCATIONAL
		2012	2020	LEVEL	PERCENT	HOURLY WAGE	ATTAINMENT
1	Retail Salespersons	305,158	344,703	4,943	1.62	12.18	High School
2	Registered Nurses	169,514	200,870	3,920	2.31	31.31	Associate
3	Food Prep. & Serving Workers, incl. Fast Food	162,731	191,930	3,650	2.24	8.89	Less than H.S.
4	Waiters and Waitresses	184,178	210,945	3,346	1.82	10.22	Less than H.S.
5	Customer Service Representatives	170,001	193,425	2,928	1.72	14.51	PSAV
6	Office Clerks, General	144,894	165,167	2,534	1.75	12.91	High School
7	Landscaping and Groundskeeping Workers	95,115	114,021	2,363	2.48	11.10	Less than H.S.
8	Cashiers	207,350	225,722	2,297	1.11	9.53	High School
9	Nursing Aides, Orderlies, and Attendants	90,283	105,594	1,914	2.12	11.64	PSAV
10	Receptionists and Information Clerks	77,331	91,697	1,796	2.32	12.55	High School

H.S.– High School

PSAV – Postsecondary Adult Vocational Certificate

Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.



Occupations with the Largest Projected Employment Declines Florida 2012-2020

RANK	OCCUPATIONAL TITLE	EMPLOYMENT		ANNUAL CHANGE		AVERAGE	EDUCATIONAL
		2012	2020	LEVEL	PERCENT	HOURLY WAGE	ATTAINMENT
1	Postal Service Mail Sorters and Processors	6,954	4,115	-355	-5.10	24.53	High School
2	Postal Service Mail Carriers	17,294	15,613	-210	-1.22	25.39	High School
3	Farmers, Ranchers, & Other Ag. Managers	47,505	45,901	-201	-0.42	32.84	Associate
4	Farmworkers & Laborers, Crop, Nurs., & Grnhs	49,084	47,649	-179	-0.37	9.49	Less than H.S.
5	Postal Service Clerks	3,497	2,069	-179	-5.10	26.01	High School
6	Switchboard Operators, incl. Answering Svc	6,986	5,747	-155	-2.22	11.82	High School
7	Data Entry Keyers	19,743	19,109	-79	-0.40	13.15	High School
8	Printing Press Operators and Job Printers	8,909	8,329	-73	-0.81	15.88	High School
9	Reporters and Correspondents	2,742	2,297	-56	-2.03	23.43	Bachelor's
10	Prepress Technicians and Workers	1,741	1,323	-52	-3.00	16.60	PSAV

H.S.– High School

PSAV – Postsecondary Adult Vocational Certificate

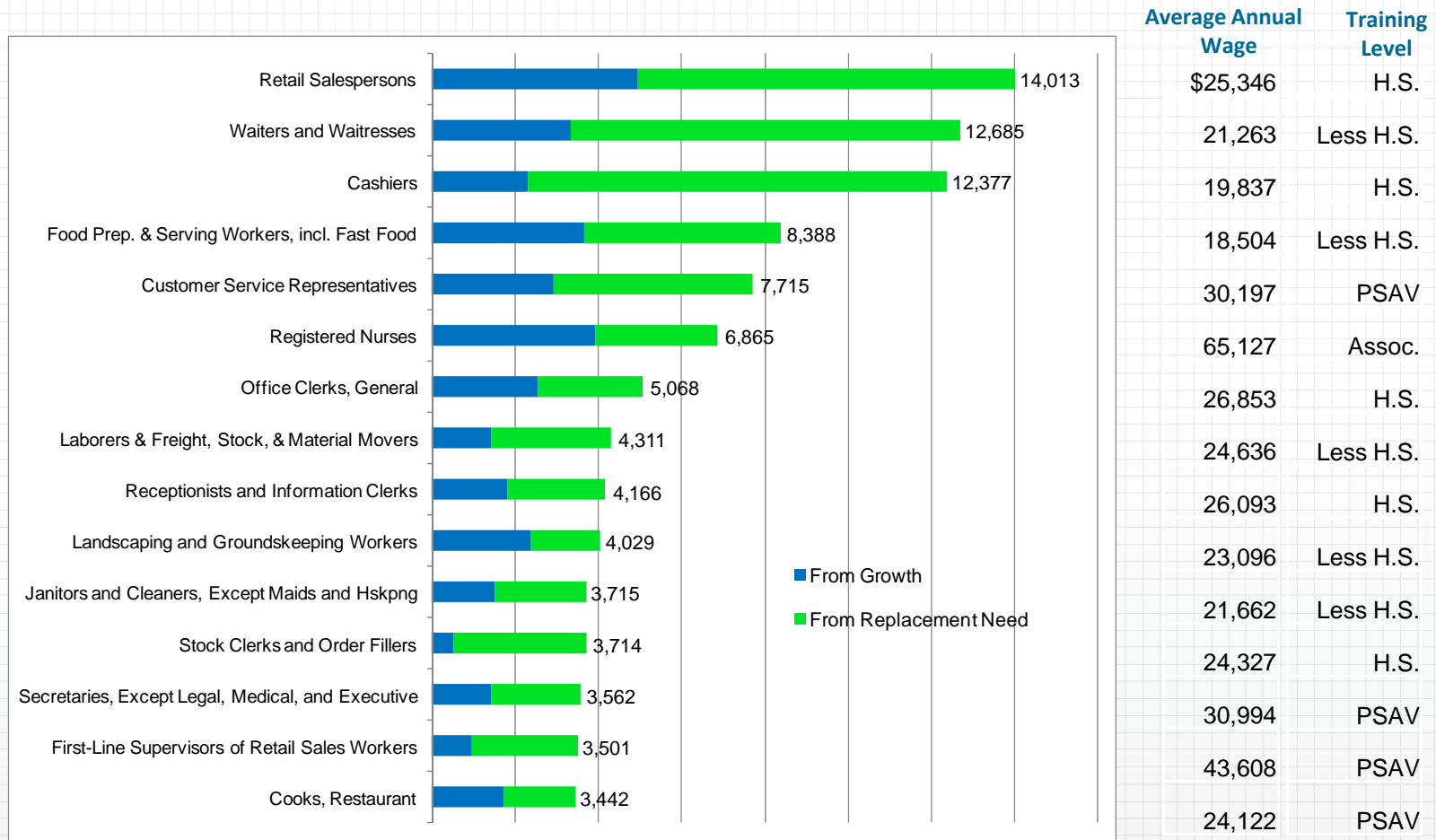
Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.



Occupations with the Most Projected Openings

All Training Levels

Florida 2012-2020



H.S. – High School Less H.S. – Less than High School PSAV – Post Secondary Adult Vocational Certificate

Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.

Fastest-Growing Occupations*

All Training Levels

Florida 2012-2020

- Florida statewide APG = 1.6%

Annual Percent Growth

		Average Annual Wage	Training Level
Cost Estimators	4.53	\$58,380	Assoc.
Home Health Aides	4.44	22,177	PSAV
Personal and Home Care Aides	4.38	20,700	PSAV
Cement Masons and Concrete Finishers	4.30	31,762	PSAV
Veterinary Technologists and Technicians	4.11	29,756	Assoc.
Drywall and Ceiling Tile Installers	3.95	33,800	PSAV
Market Research Analysts and Marketing Specialists	3.95	58,674	Bach.
Heating, A.C., and Refrigeration Mechanics and Installers	3.87	41,694	PSAV
Diagnostic Medical Sonographers	3.80	59,272	PSAV
Nonfarm Animal Caretakers	3.67	21,903	Less H.S.
Meeting and Convention Planners	3.47	49,345	Assoc.
Tile and Marble Setters	3.40	29,971	PSAV
First-Line Superv. of Construction and Extraction Workers	3.39	57,800	Assoc.
Paralegals and Legal Assistants	3.38	47,622	PSAV
Operating Engineers/Construction Equipment Operators	3.31	37,634	PSAV

***This table includes occupations with a minimum of 4,000 jobs in 2012**

H.S. – High School Less H.S. – Less than High School PSAV – Post Secondary Adult Vocational Certificate Assoc. – Associate Degree Bach. – Bachelor's Degree

Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.



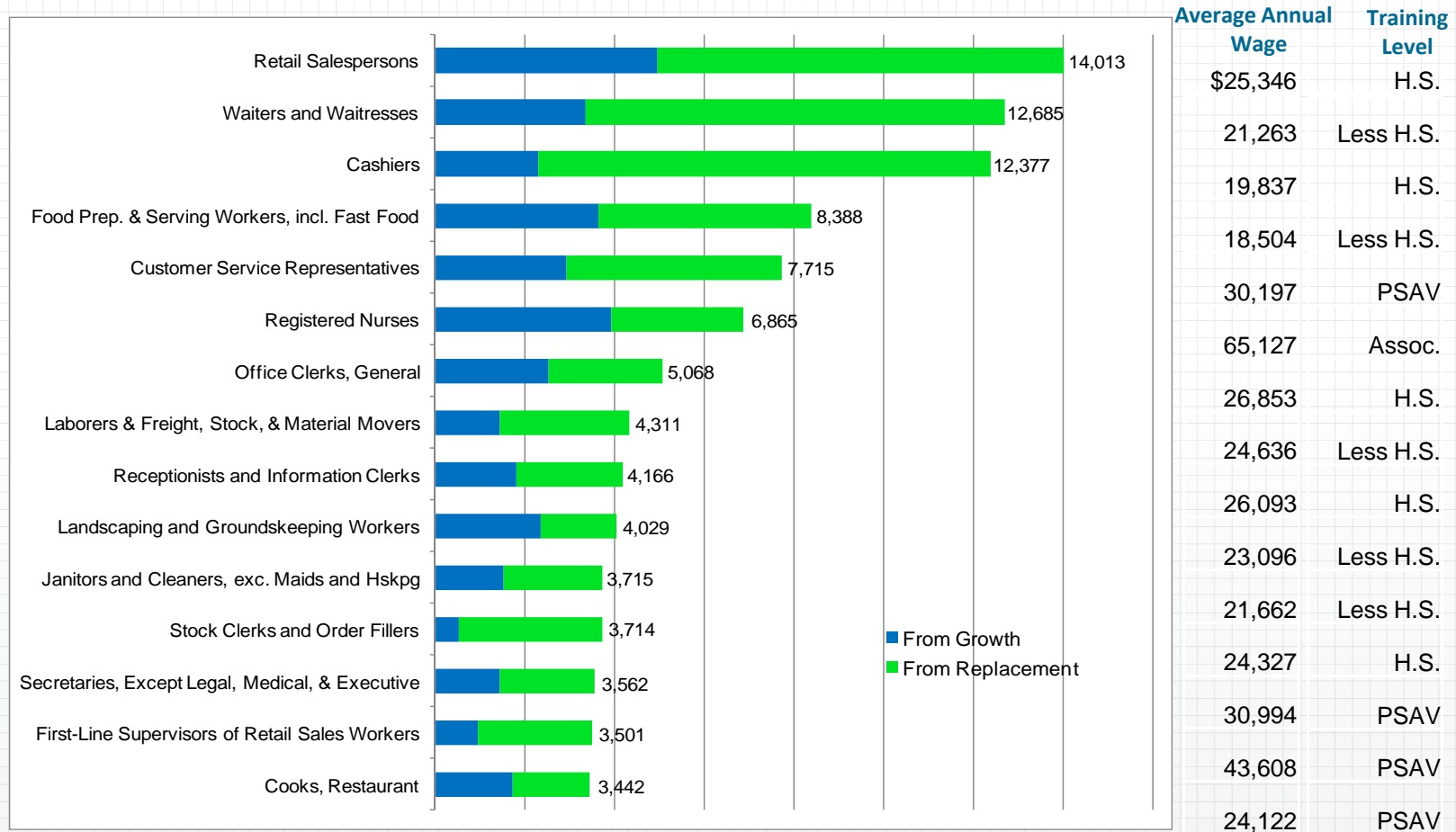
Wages by Training Level Florida 2012

Training Level	Average Annual Wage	Entry Annual Wage
Total, All Education Levels	\$41,503	\$19,222
Master's or Higher	\$103,232	\$57,173
Bachelor's	\$68,527	\$41,868
Associate	\$62,737	\$39,914
Post Sec. Adult Voc. Certificate	\$38,006	\$25,426
High School	\$28,478	\$20,025
Less Than High School	\$21,821	\$17,437

Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.



Occupations with the Most Projected Openings Associate, PSAV, High School, and Lower Education Level Florida 2012-2020



H.S. – High School Less H.S. – Less than High School PSAV – Post Secondary Adult Vocational Certificate Assoc. – Associate Degree

Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.



Fastest-Growing Occupations*

Associate, PSAV, High School, and Lower Education Level

Florida 2012-2020

- Florida statewide APG = 1.6%

Annual Percent Growth

Occupation	Annual Percent Growth	Average Annual Wage	Training Level
Cost Estimators	4.53	\$58,380	Assoc.
Home Health Aides	4.44	22,177	PSAV
Personal and Home Care Aides	4.38	20,700	PSAV
Cement Masons and Concrete Finishers	4.30	31,762	PSAV
Veterinary Technologists and Technicians	4.11	29,756	Assoc.
Drywall and Ceiling Tile Installers	3.95	33,800	PSAV
Heating, A.C., and Refrigeration Mechanics and Installers	3.87	41,694	PSAV
Diagnostic Medical Sonographers	3.80	59,272	PSAV
Nonfarm Animal Caretakers	3.67	21,903	Less H.S.
Meeting and Convention Planners	3.47	49,345	Assoc.
Tile and Marble Setters	3.40	29,971	PSAV
First-Line Superv. of Construction and Extraction Workers	3.39	57,800	Assoc.
Paralegals and Legal Assistants	3.38	47,622	PSAV
Operating Engineers/Construction Equipment Operators	3.31	37,634	PSAV
Helpers - Electricians	3.29	26,283	Less H.S.

*This table includes occupations with a minimum of 4,000 jobs in 2012

H.S. – High School Less H.S. – Less than High School PSAV – Post Secondary Adult Vocational Certificate Assoc. – Associate Degree

Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.



Highest-Paying Occupations

Associate, PSAV, High School, and Lower Education Level

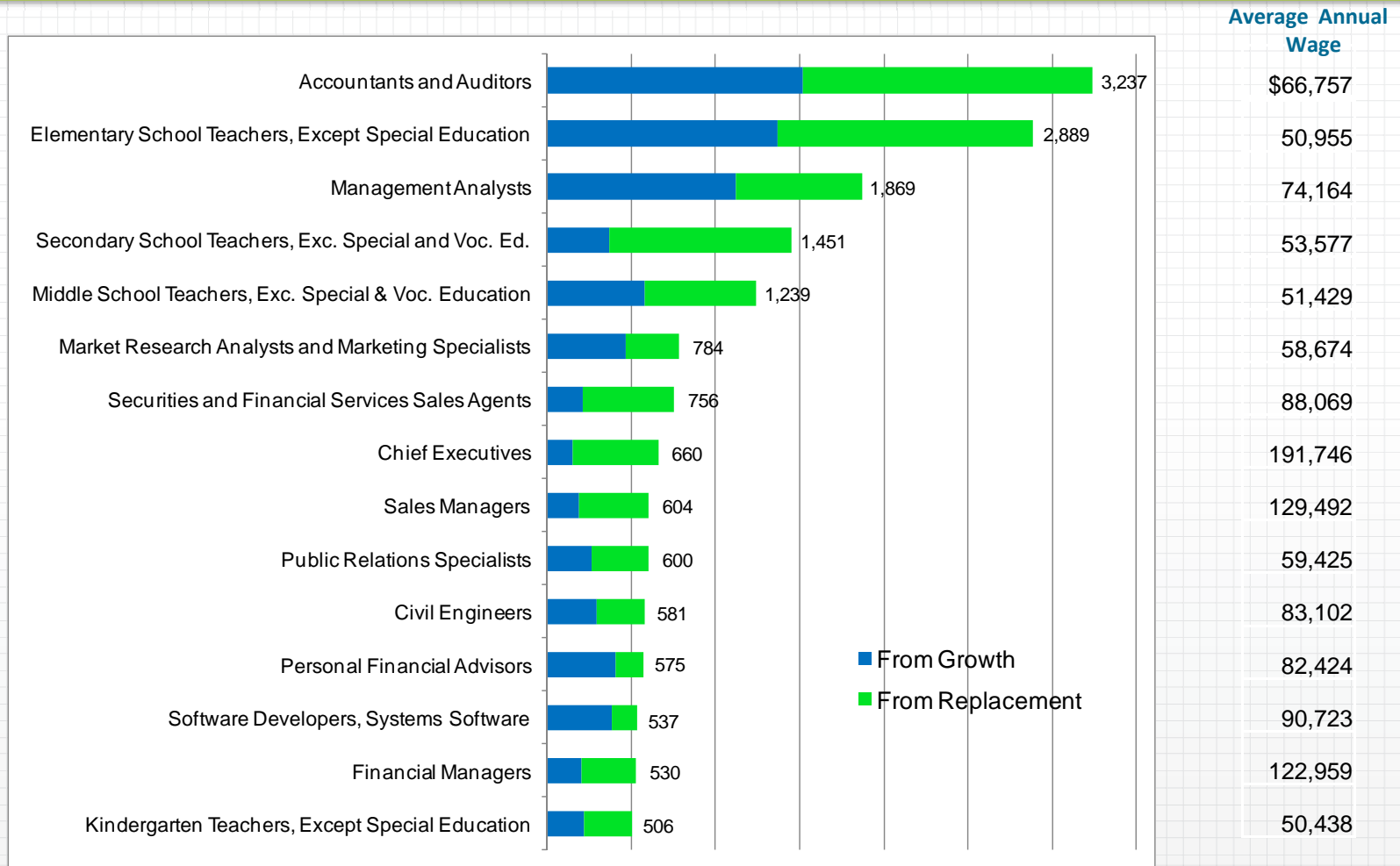
Florida 2012

Occupational Title	Annual Wage
1. Airline Pilots, Copilots, and Flight Engineers	\$136,260
2. Air Traffic Controllers	\$115,673
3. Compensation and Benefits Managers	\$112,686
4. Purchasing Managers	\$107,693
5. General and Operations Managers	\$106,429
6. Industrial Production Managers	\$105,901
7. Administrative Services Managers	\$100,007
8. Training and Development Managers	\$98,303
9. Construction Managers	\$97,935
10. First-Line Supervisors of Non-Retail Sales Workers	\$94,660

Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.



Occupations with the Most Projected Openings Bachelor's Degree Level Florida 2012-2020



Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.

Fastest-Growing Occupations*

Bachelor's Degree Level

Florida 2012-2020

- Florida statewide APG = 1.6%

Annual Percent Growth

Average
Annual
Wage

Occupation	Annual Percent Growth	Average Annual Wage
Market Research Analysts and Marketing Specialists	3.95	\$58,674
Training and Development Specialists	2.68	53,525
Personal Financial Advisors	2.67	82,424
Software Developers, Systems Software	2.55	90,723
Business Teachers, Postsecondary	2.48	93,018
Management Analysts	2.35	74,164
Special Education Teachers, Preschool - Elementary	2.27	53,644
Public Relations Specialists	2.09	59,425
Medical and Health Services Managers	2.06	104,282
Civil Engineers	2.00	83,102
Kindergarten Teachers, Except Special Education	1.98	50,438
Elementary School Teachers, Except Special Education	1.94	50,955
Middle School Teachers, Exc. Special & Voc. Education	1.92	51,429
Clergy	1.88	44,510
Marketing Managers	1.88	111,117

***This table includes occupations with a minimum of 4,000 jobs in 2012**

Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.



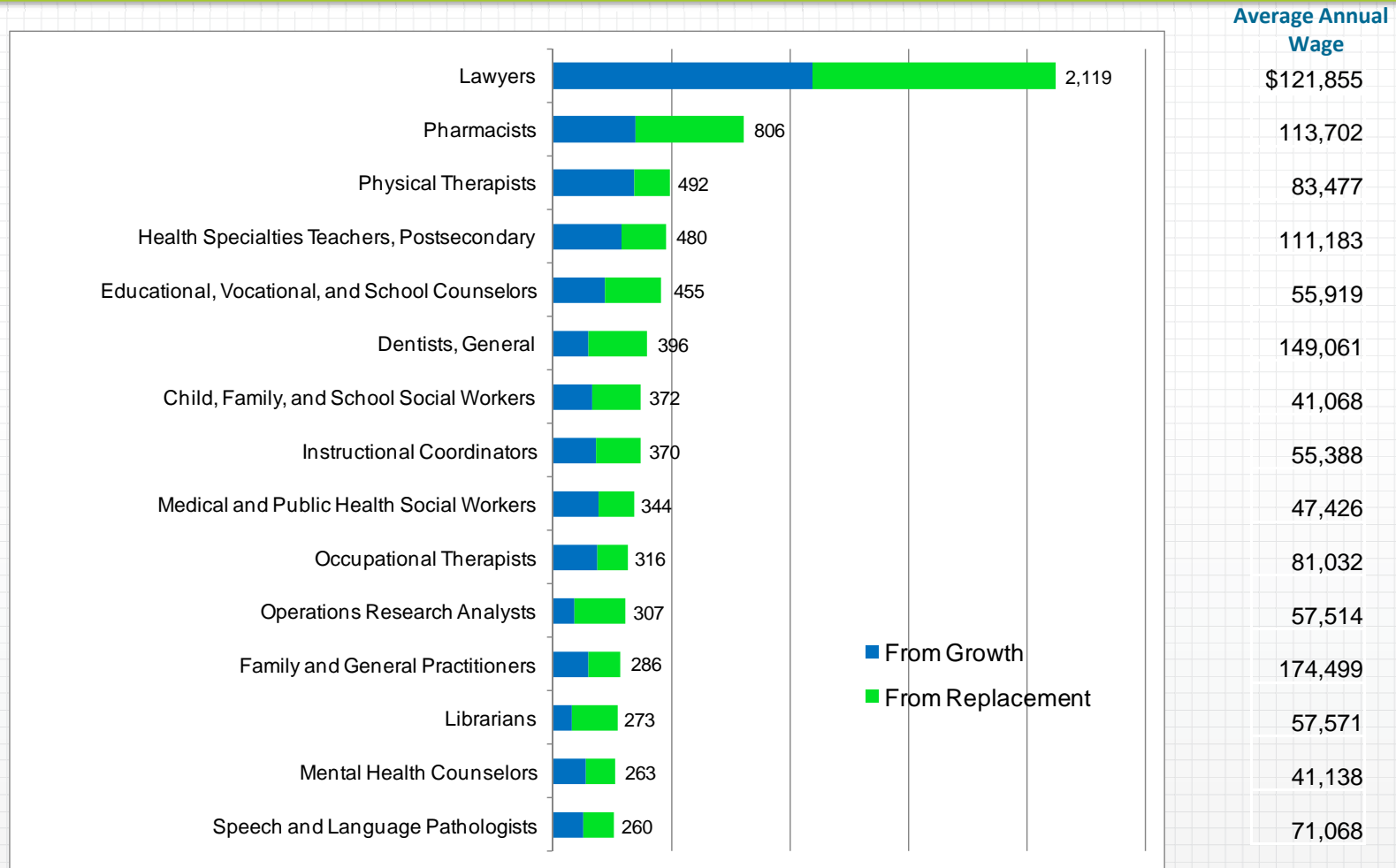
Highest-Paying Occupations Bachelor's Degree Level Florida 2012

Occupational Title	Annual Wage
1. Chief Executives	\$191,746
2. Petroleum Engineers	\$129,927
3. Sales Managers	\$129,492
4. Broadcast News Analysts	\$128,450
5. Computer and Information Systems Managers	\$126,587
6. Financial Managers	\$122,959
7. Engineering Managers	\$118,692
8. Marketing Managers	\$111,117
9. Natural Sciences Managers	\$110,512
10. Public Relations Managers	\$110,018

Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.



Occupations with the Most Projected Openings Master's or Higher Degree Level Florida 2012-2020



Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.



Fastest-Growing Occupations* Master's or Higher Degree Level Florida 2012-2020

Annual Percent Growth

		Average Annual Wage
Medical and Public Health Social Workers	2.96	\$47,426
Occupational Therapists	2.63	81,032
Physical Therapists	2.59	83,477
Mental Health Counselors	2.52	41,138
Health Specialties Teachers, Postsecondary	2.41	111,183
Art, Drama, and Music Teachers, Postsecondary	2.40	70,557
Architects, Except Landscape and Naval	2.24	79,080
Family and General Practitioners	2.19	174,499
Instructional Coordinators	2.14	55,388
English Language & Literature Teachers, Postsecondary	2.13	72,659
Lawyers	2.00	121,855
Mental Health and Substance Abuse Social Workers	1.98	38,087
Educational, Vocational, and School Counselors	1.96	55,919
Pharmacists	1.92	113,702
Dentists, General	1.88	149,061

***This table includes occupations with a minimum of 4,000 jobs in 2012**

Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.



Highest-Paying Occupations Master's or Higher Degree Level Florida 2012

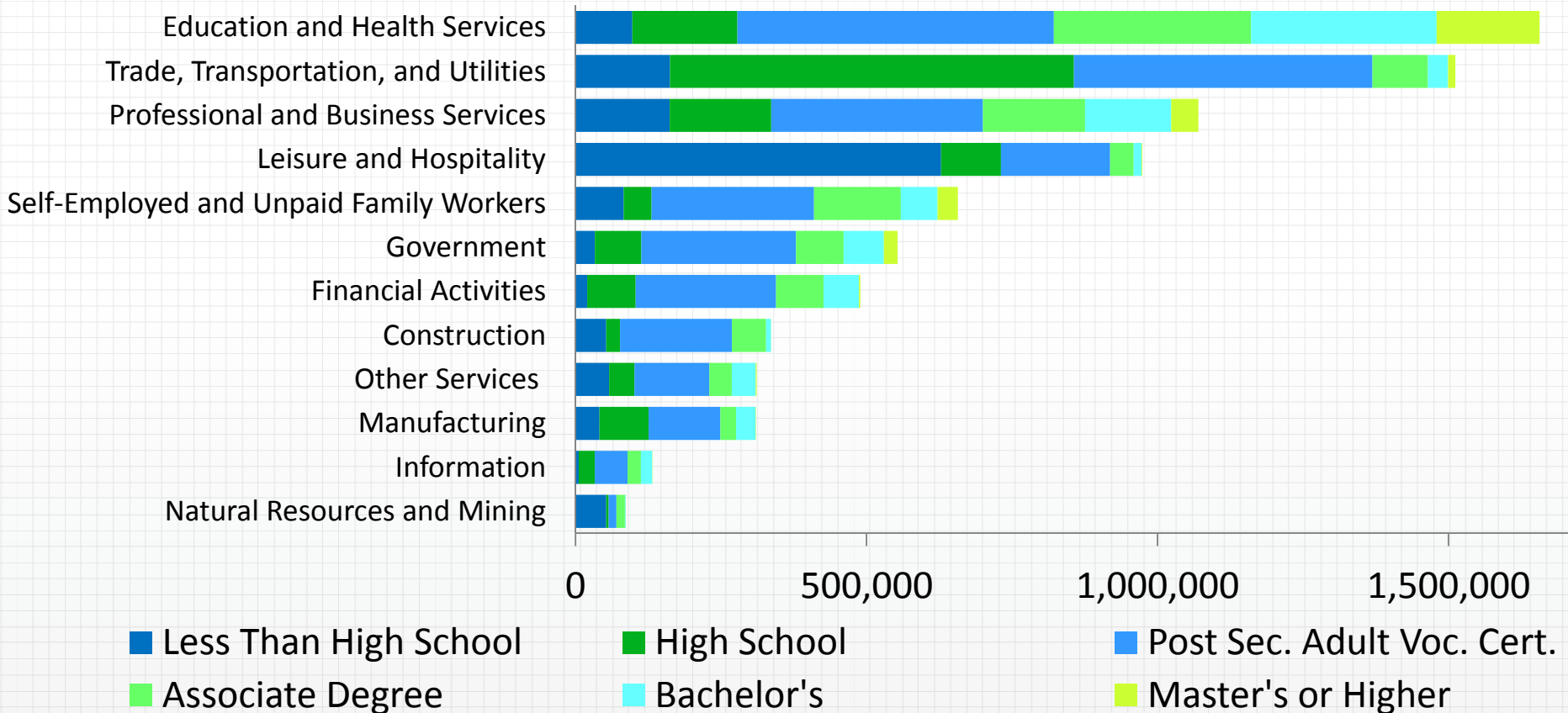
Occupational Title	Average Annual Wage
1. Anesthesiologists	\$261,571
2. Judges, Magistrate Judges, and Magistrates	\$240,180
3. Obstetricians and Gynecologists	\$233,327
4. Surgeons	\$230,862
5. Internists, General	\$217,857
6. Orthodontists	\$213,257
7. Oral and Maxillofacial Surgeons	\$182,465
8. Psychiatrists	\$179,989
9. Family and General Practitioners	\$174,499
10. Pediatricians, General	\$165,417

Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.



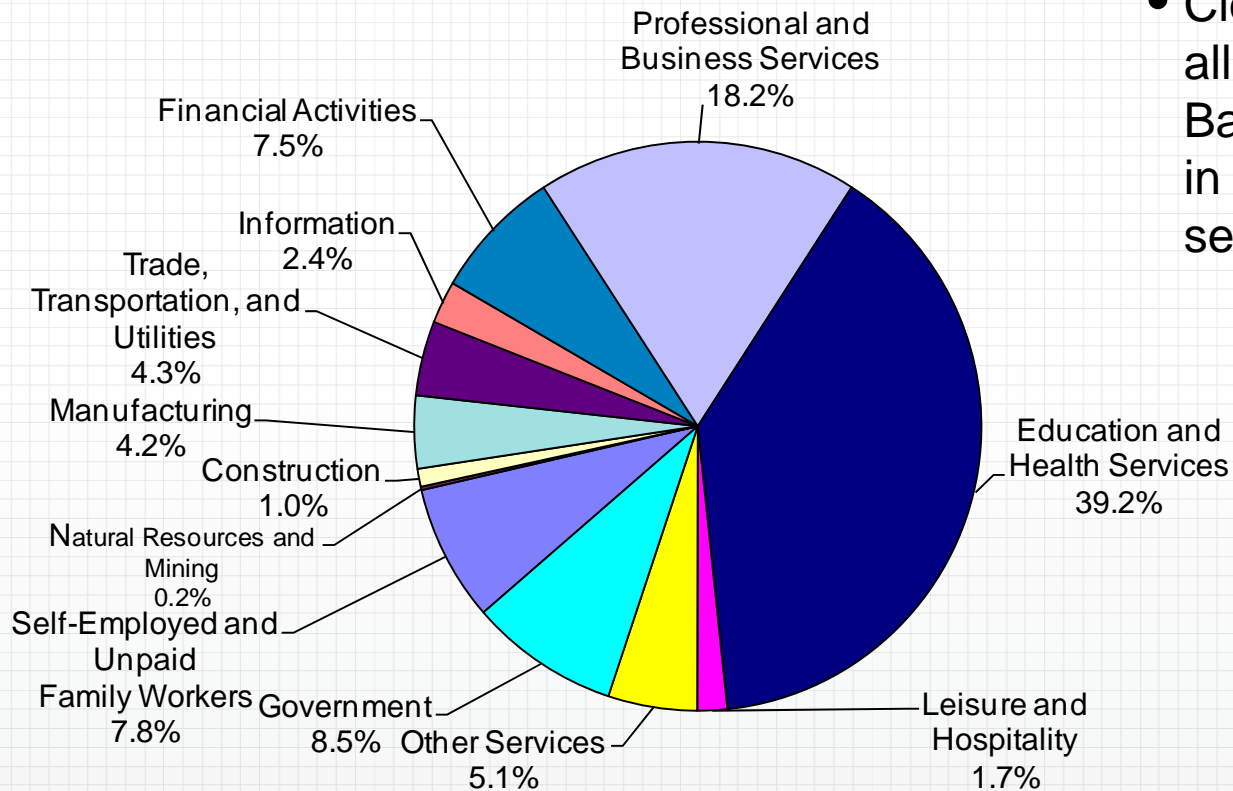
Number of Jobs by Educational Requirement by Industry Florida 2012

2012 Employment



Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.

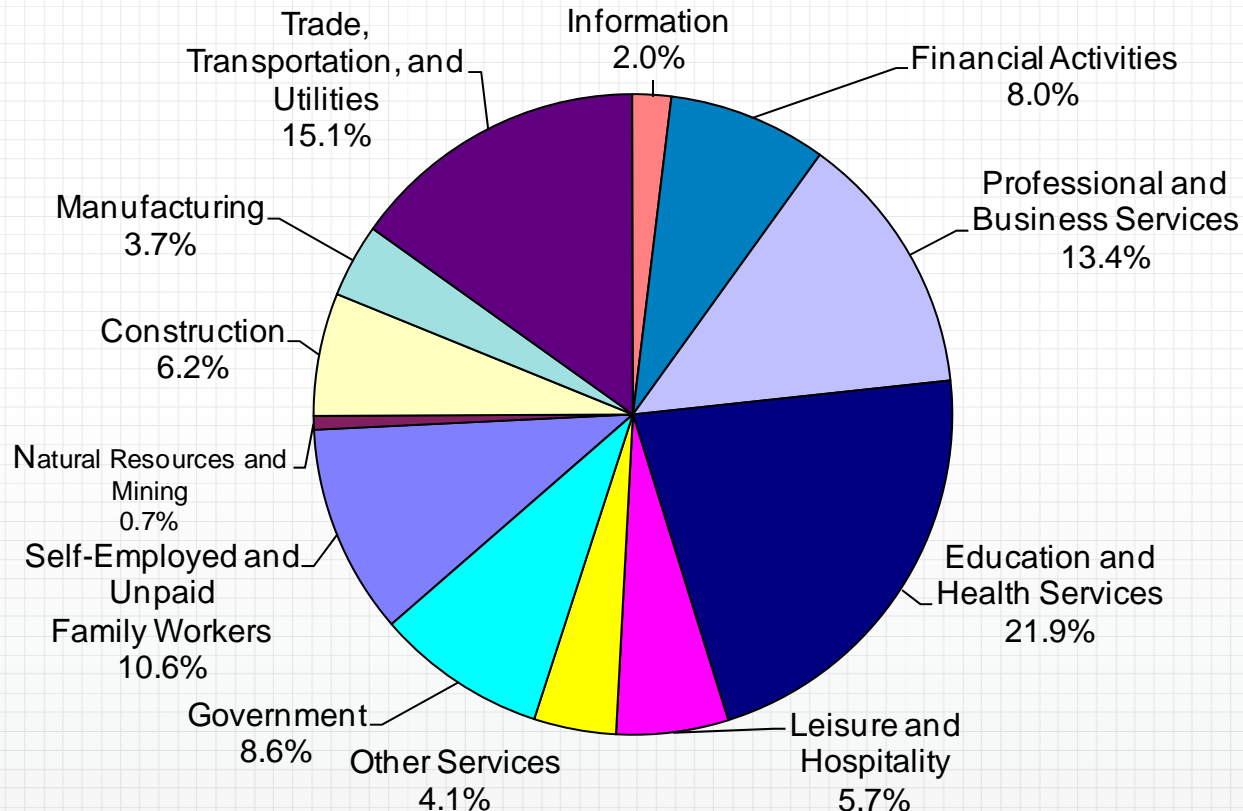
Jobs Requiring a Bachelor's Degree by Industry Florida 2012



- Close to 40 percent of all jobs requiring a Bachelor's degree are in education and health services

Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.

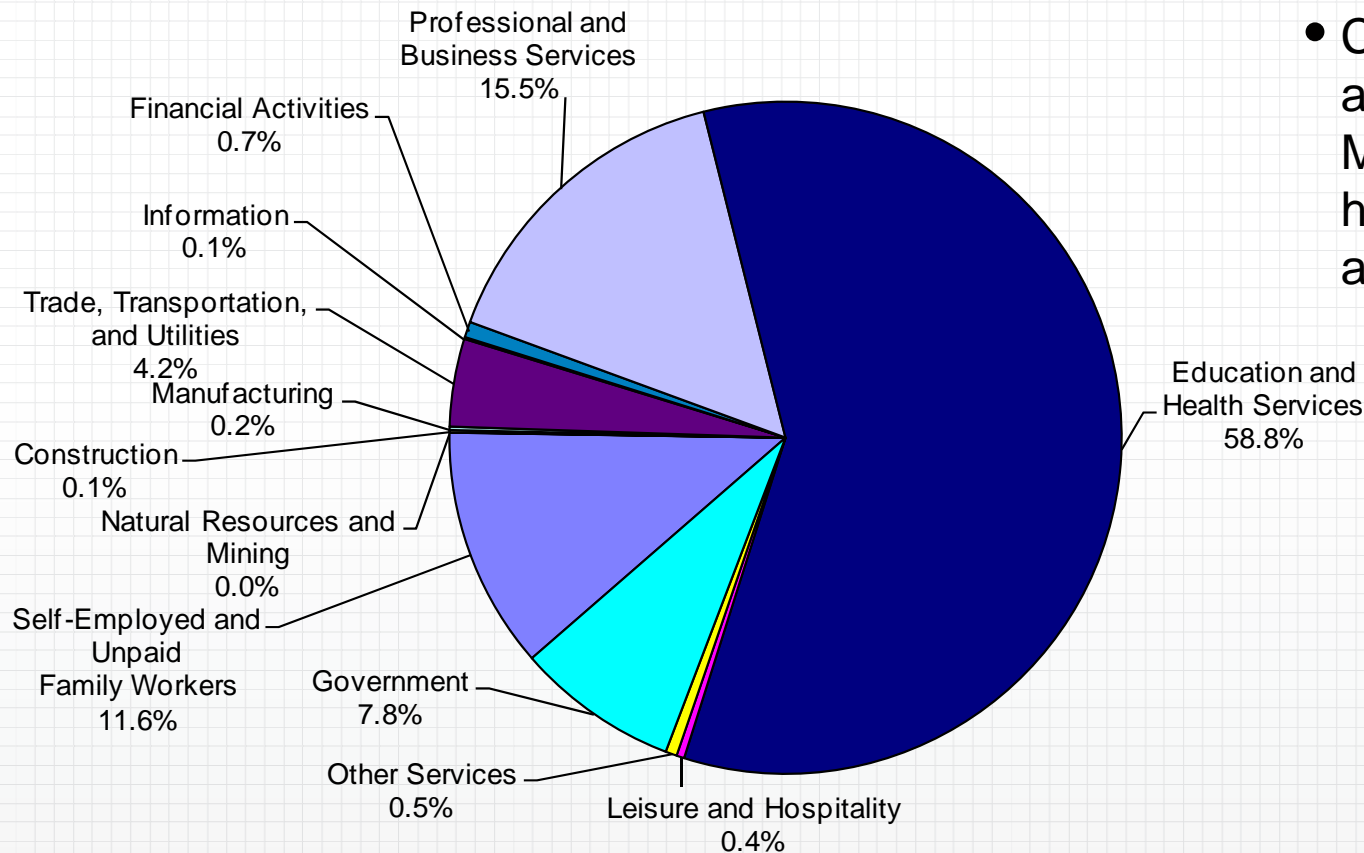
Jobs Requiring a PSAV or an Associate Degree by Industry Florida 2012



- More than 20 percent of all jobs requiring a PSAV or an Associate degree are in education and health services

Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.

Jobs Requiring a Master's or Higher Degree by Industry Florida 2012



- Close to 60 percent of all jobs requiring a Master's degree or higher are in education and health services

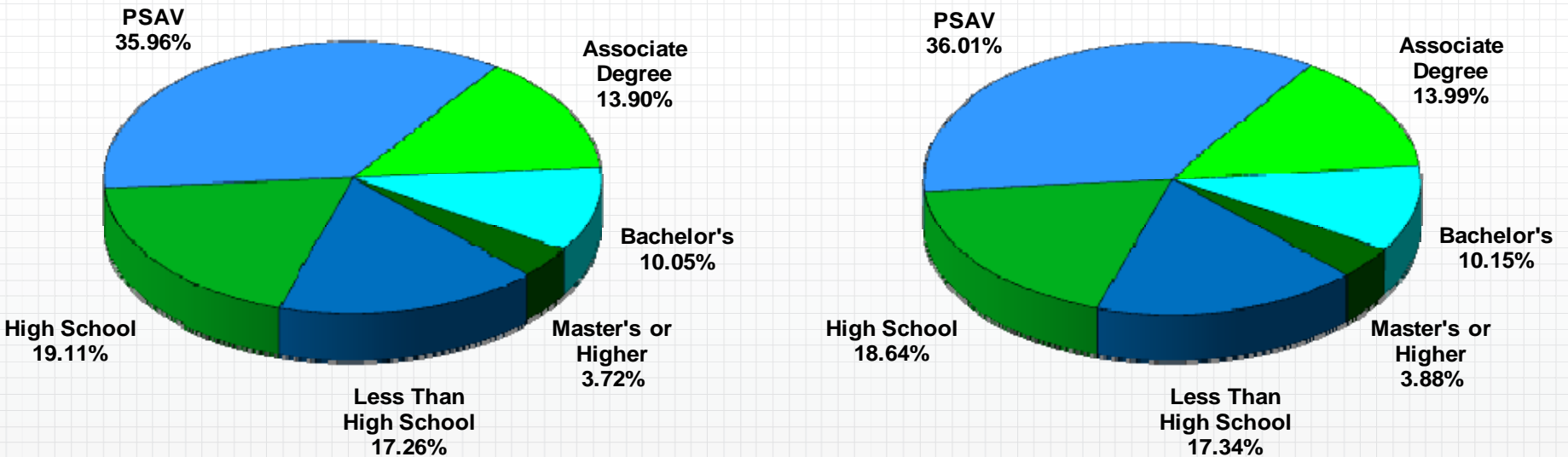
Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.

Employment by Training Level Florida 2012 vs. 2020

- The proportion of jobs requiring a high school diploma will decrease slightly, while the proportion of new jobs requiring a Bachelor's degree or higher will increase slightly between 2012 and 2020

2012

2020

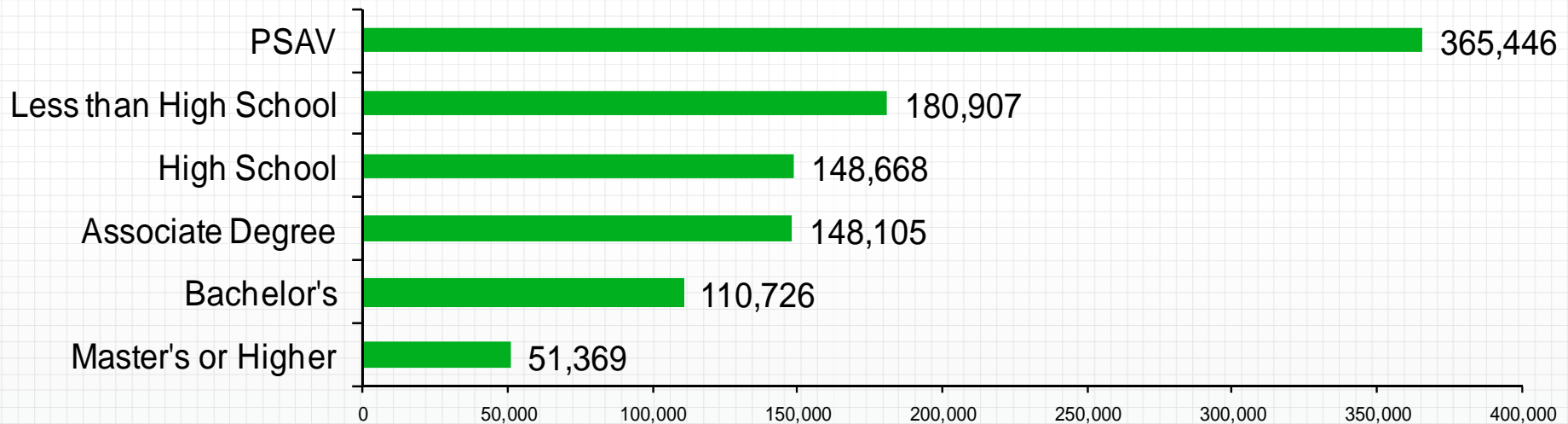


PSAV = Postsecondary Adult Vocational Certificate

Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.

New Jobs by Training Level Level Change Florida 2012-2020

- Occupations requiring PSAV will gain the most new jobs



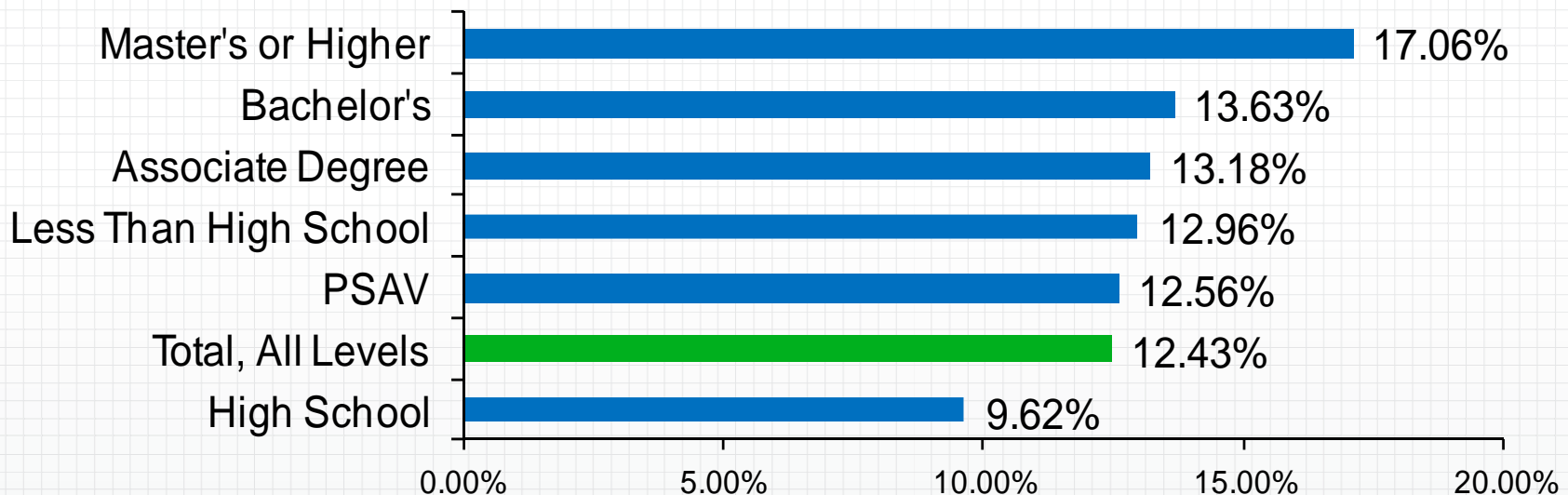
PSAV = Postsecondary Adult Vocational Certificate

Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.



New Jobs by Training Level Percent Change Florida 2012-2020

- Occupations requiring the most training are projected to grow the fastest



PSAV = Postsecondary Adult Vocational Certificate

Source: Florida Department of Economic Opportunity, Labor Market Statistics Center, Employment Projections Program, Forecast to 2020, released September 2012.

Contact Information

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www.floridawages.com

<http://www.whatpeopleareasking.com/index.shtm>





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Florida Demand Occupations List 2013-14

Labor Market Statistics Center

**September 7, 2012
Tallahassee, FL**



Indexing Wage Thresholds Using the Employment Cost Index (ECI)

- The ECI is produced by the U.S. Department of Labor, Bureau of Labor Statistics
- It is a quarterly measure of changes in labor costs
- The Workforce Estimating Conference uses an ECI that includes wages and salaries, all civilian workers for all occupational groups
- 2nd Quarter 2012 ECI = 115.8; 2nd Quarter 2011 ECI = 113.9
 - **Annual percent change = 1.7 percent**
 - Last year's change = 1.6 percent

2013-14 Statewide Demand List

Occupational Criteria

- Requires postsecondary adult vocational training or a community college credit certificate, applied technology diploma, associate of applied science or associate degree using revised occupational training codes (2012-13 Criteria: same)
- Has 150 projected annual openings and a growth rate above the average growth rate for all occupations (1.55 percent) or 360 projected annual openings with any positive growth (2012-13 Criteria: growth rate 1.62%; openings same)
- Has a mean wage of at least \$13.29/hour and an entry wage of \$10.80/hour to be eligible for an Individual Training Account (2012-13 Criteria: mean wage \$13.07; entry wage \$10.62)
- Requires a mean wage of at least \$20.82/hour and entry wage of \$13.29/hour for a High Skill/High Wage designation (2012-13 Criteria: mean wage \$20.48; entry wage \$13.07)

2013-14 Statewide Demand List

- 87 occupations meet the 2013-14 occupational criteria (97 occupations met the 2012-13 criteria)
- 11 occupations were added to the 2013-14 list and 21 occupations on the 2012-13 list were dropped
- Primary reason for occupations being added to or dropped from the list:
 - Changes in projected growth rate for an occupation
 - Changes made to the occupation's entry wage
 - Addition of occupations from the new 2010 Standard Occupational Classification manual

2013-14 Statewide Demand List

Jobs Requiring Bachelor's and Master's Degrees

- Jobs requiring a Bachelor's degree
 - 42 occupations meet the 2013-14 occupational criteria (38 occupations met the 2012-13 criteria)
 - 10 occupations were added to the 2013-14 list and 6 occupations on the 2012-13 list were dropped

- Jobs requiring a Master's degree and higher
 - 27 occupations meet the 2013-14 occupational criteria (24 occupations met the 2012-13 criteria)
 - 3 occupations were added to the 2013-14 list and no occupations on the 2012-13 list were dropped

Contact Information

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