



# Workforce Estimating Conference

117 Knott Building  
February 25, 2010  
2:00 – 4:00 pm  
1-888-808-6959  
Pass Code 6724792 #

## Agenda

- **Welcome and Opening Remarks** Lisa Saliba, Executive Office of the Governor, Chair
- **Florida Labor Market Update** Rebecca Rust, Agency for Workforce Innovation
- **Employment Projections 2017 for University Level Occupations** Bill Dobson, Agency for Workforce Innovation
- **College and University Degree Production Initiative** Dr. Willis N. Holcombe, Chancellor, Division of Florida Colleges
- **Other Items, Closing Remarks** Lisa Saliba

### Principals of the Workforce Estimating Conference:

Conference Chair: Lisa Saliba, Executive Office of the Governor

Kurt Hamon, Florida Senate, Education Appropriations Committees

Amy Baker, Economic and Demographic Research

Alicia Trexler, Florida House,

State Universities and Private Colleges Appropriations Committee



# Florida Labor Market and Economic Update

## Workforce Estimating Conference

**Florida Agency for Workforce Innovation  
Labor Market Statistics Center**



**March 2010**

**Revised with January 2010 preliminary statistics**

# Labor Force Conditions

## January 2010, Seasonally Adjusted

- Florida's unemployment rate has been higher than the nation since February 2008
- Florida's highest unemployment rate recorded was 11.9 percent in May 1975, tied with the January 2010 rate

Area	Labor Force	Employment	Unemployment	Unemployment Rate	Year Ago Unemployment Rate
Florida	9,231,000	8,131,000	1,100,000	11.9	8.7
United States	153,170,000	138,333,000	14,837,000	9.7	7.7

Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center, Local Area Unemployment Statistics Program, in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics, released March 10, 2010.

# Unemployment Rates in the Ten Most Populous States

January 2010, Seasonally Adjusted

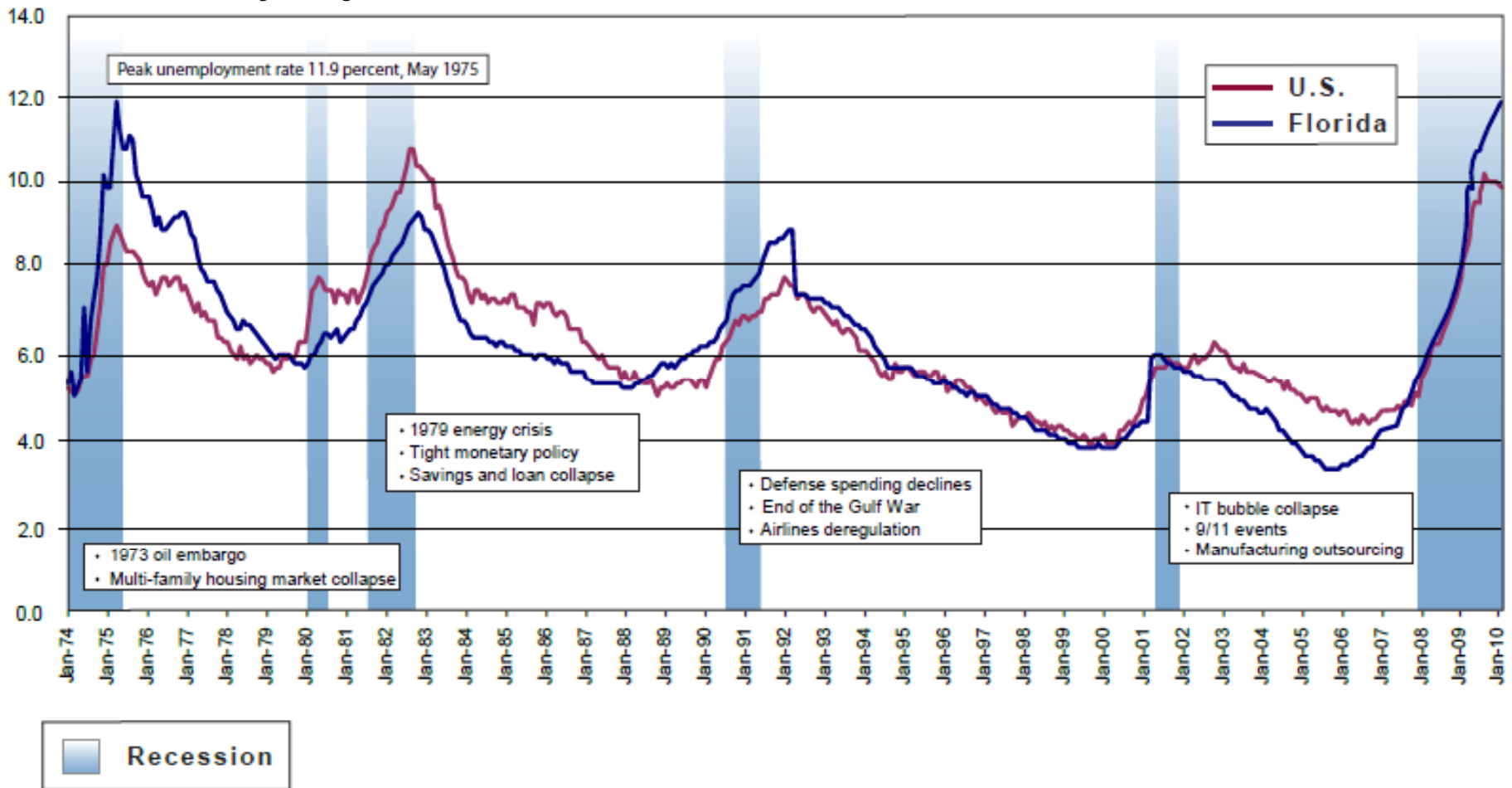
State	January 2010 Unemployment Rate (%)	January 2009 Unemployment Rate (%)	Change
Michigan	14.3	11.3	3.0
California	12.5	9.7	2.8
<b>Florida</b>	<b>11.9</b>	<b>8.7</b>	<b>3.2</b>
Illinois	11.3	8.1	3.2
North Carolina	11.1	9.2	1.9
Ohio	10.8	8.6	2.2
Georgia	10.4	8.4	2.0
New York	8.8	7.1	1.7
Pennsylvania	8.8	6.8	2.0
Texas	8.2	6.4	1.8

Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center and the U.S. Department of Labor, Bureau of Labor Statistics, Local Area Employment Statistics Program, released March 10, 2010.

# Unemployment Rates Florida and United States

## January 1974 – January 2010

### Seasonally Adjusted



Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center, Local Area Unemployment Statistics Program, in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics, released March 10, 2010.



# Nonagricultural Employment

## Seasonally Adjusted

- Florida's rate of job decline has moderated from -6.9 percent in March 2009 to the current -4.1 percent
- These are the steepest rates of decline since 1975

Area	January 2010	January 2009	Over-the-Year Change	Over-the-Year Percent Change
Florida	7,144,300	7,447,500	-303,200	-4.1
United States	129,562,000	133,549,000	-3,987,000	-3.0

# Employment in the Ten Most Populous States

## Seasonally Adjusted

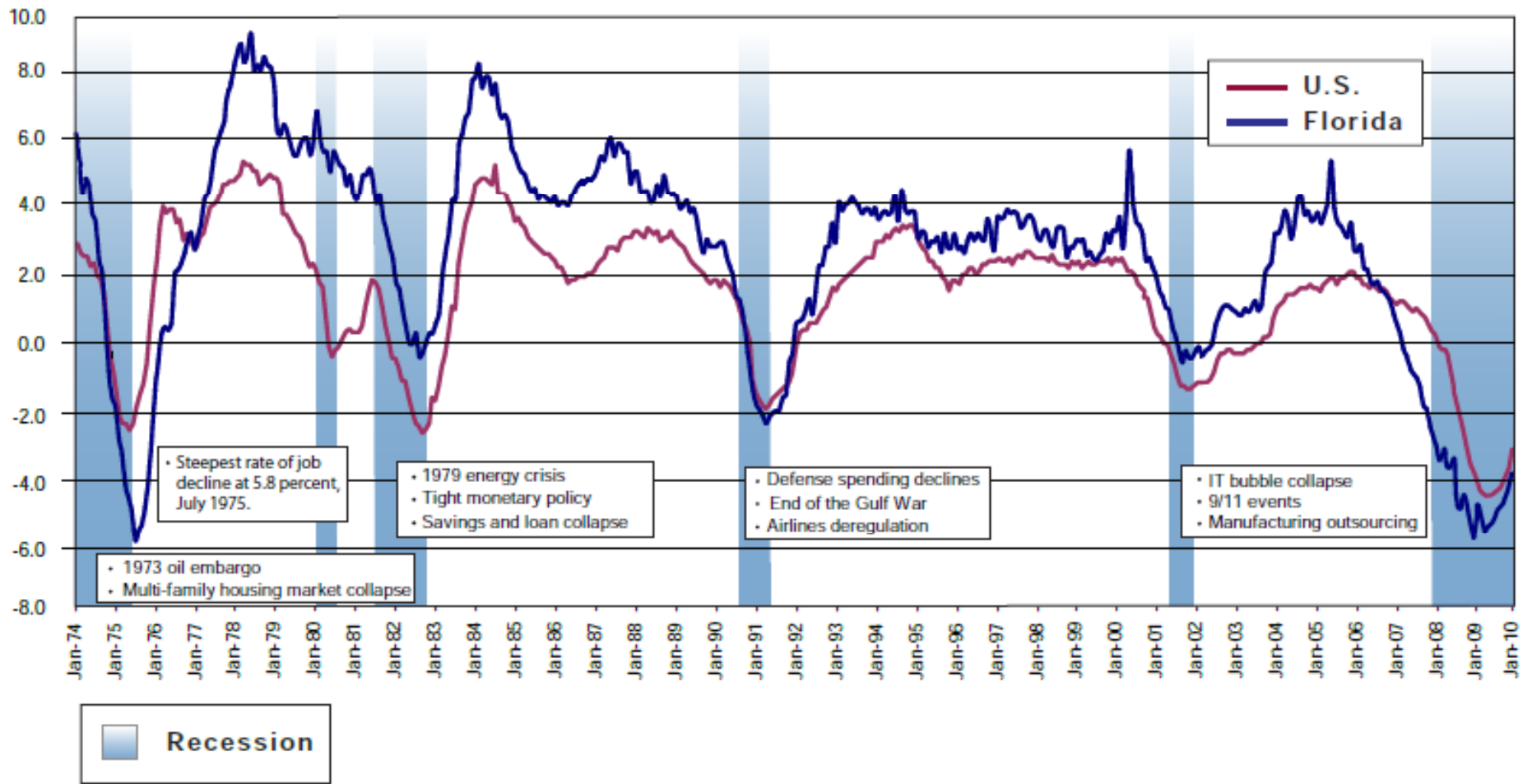
	January 2009 - January 2010		
State	January 2010	Percent Change	Level Change
New York	8,486,400	-2.1	-183,200
Pennsylvania	5,563,800	-2.5	-143,300
Texas	10,233,700	-2.7	-287,800
Michigan	3,850,600	-2.8	-111,100
North Carolina	3,894,300	-2.8	-114,200
Illinois	5,584,200	-3.8	-219,700
Georgia	3,815,900	-4.0	-158,700
<b>Florida</b>	<b>7,144,300</b>	<b>-4.1</b>	<b>-303,200</b>
Ohio	4,985,600	-4.3	-222,000
California	13,842,100	-4.8	-701,700

Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center and the U.S. Department of Labor, Bureau of Labor Statistics, Current Employment Statistics Program, released March 10, 2010.

# Nonagricultural Employment Growth Rates Florida and United States

January 1974 – January 2010

Not Seasonally Adjusted

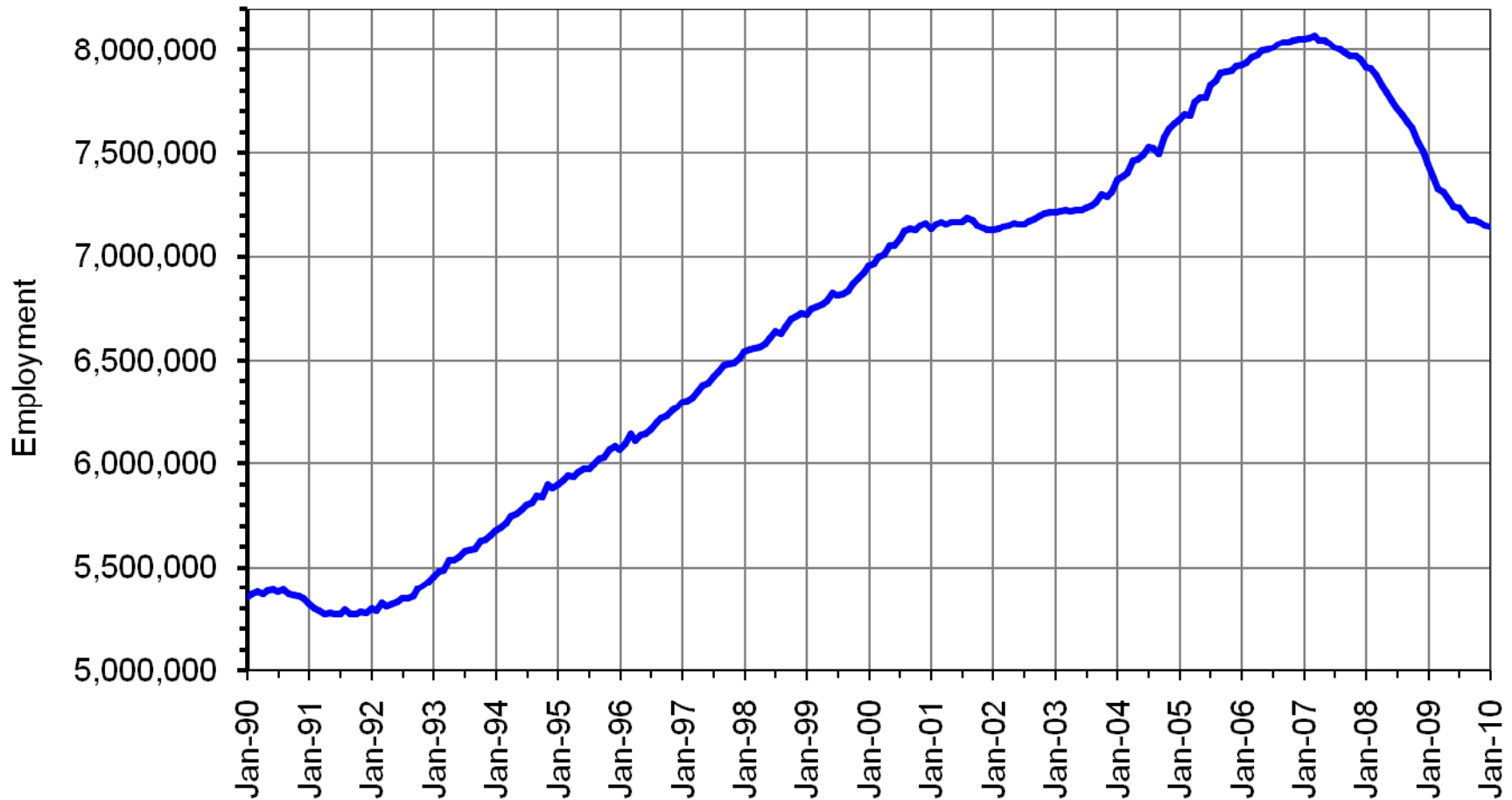


Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center, Current Employment Statistics Program, in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics, released March 10, 2010.



# Florida Nonagricultural Employment

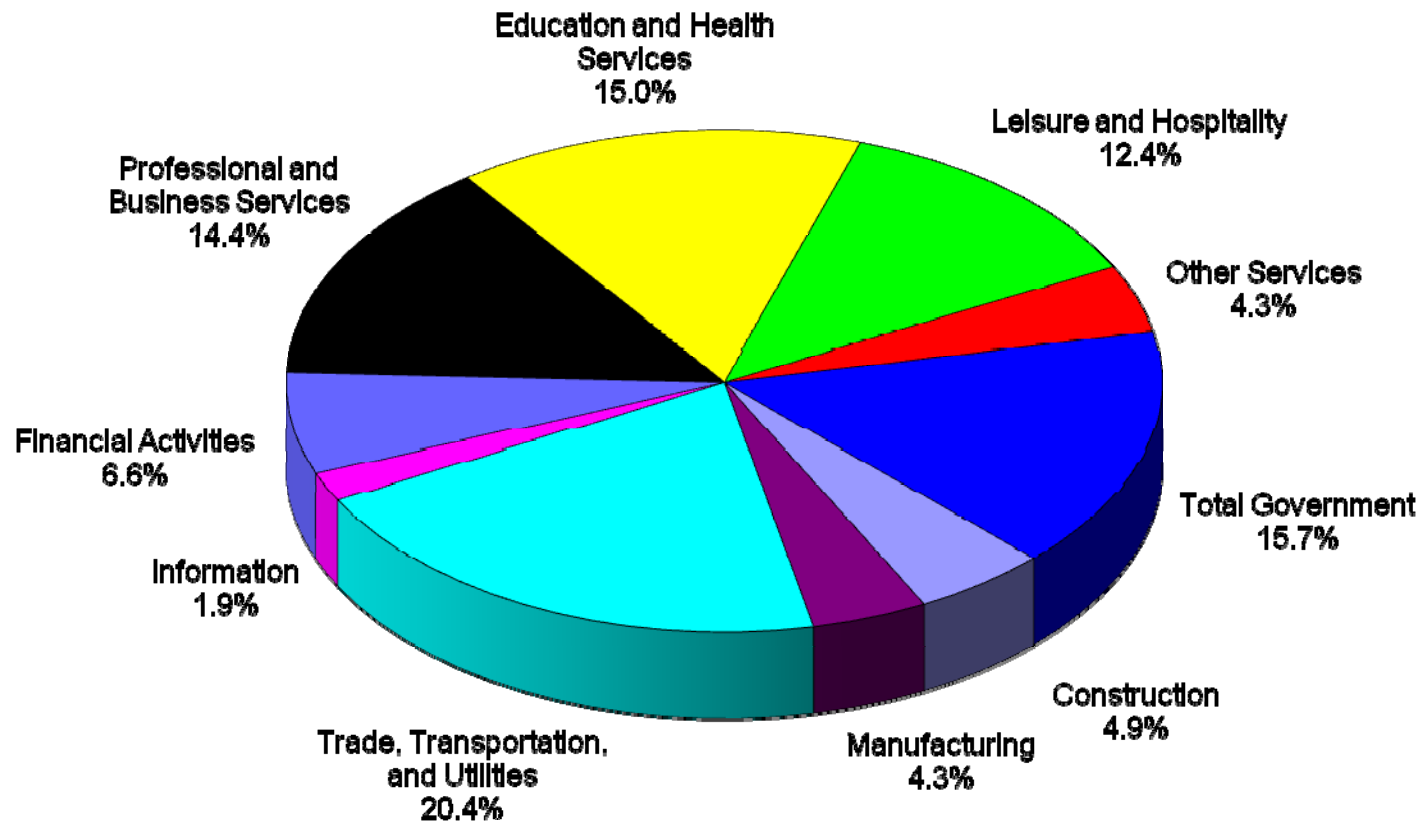
## January 1990 – January 2010, Seasonally Adjusted



Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center, Current Employment Statistics Program, in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics, released March 10, 2010.

# Florida's Nonagricultural Employment by Industry

## January 2010, Seasonally Adjusted

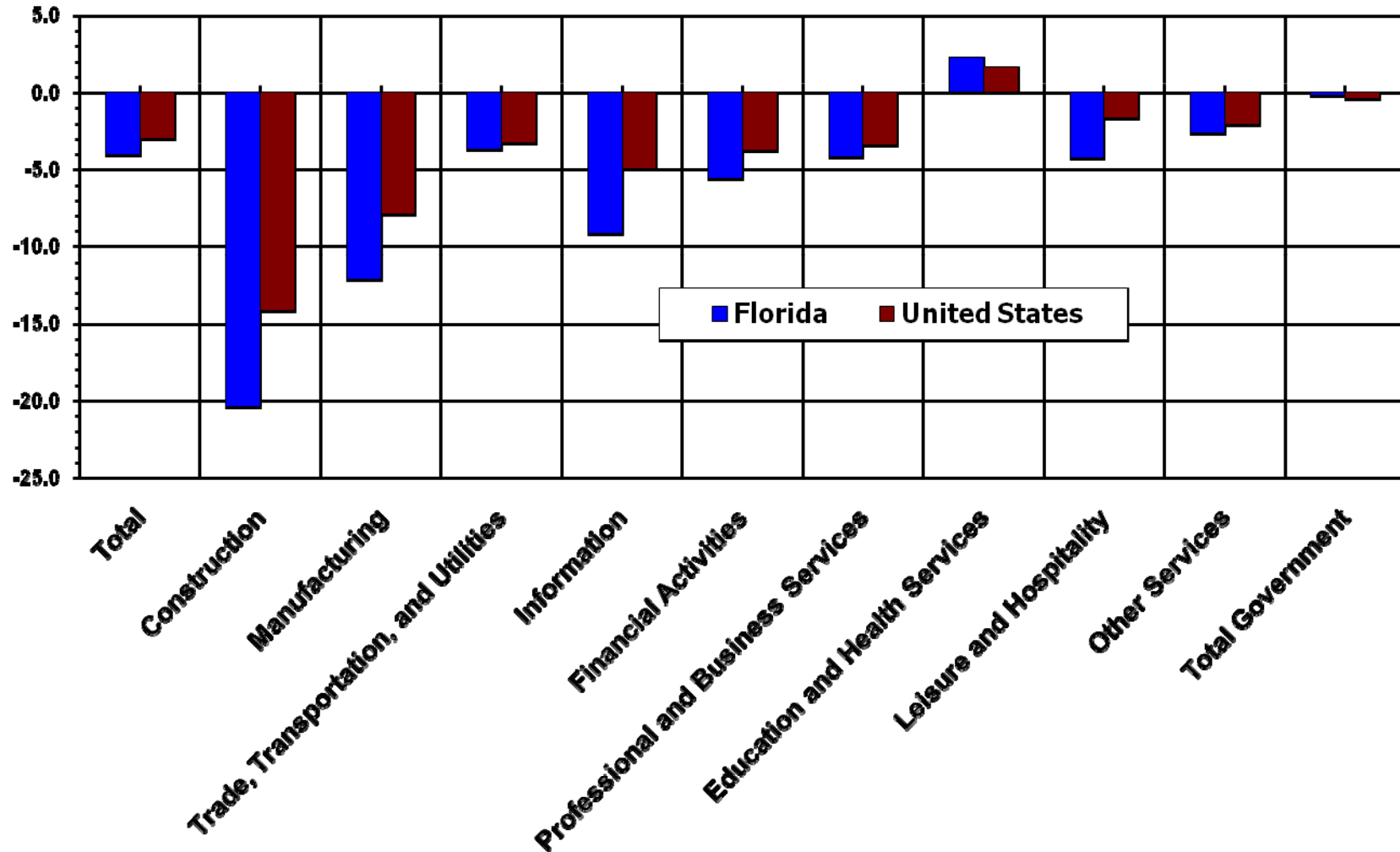


Note: Percents may not add to 100.0 due to rounding.

Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center, Current Employment Statistics Program, in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics, released March 10, 2010.

# Nonagricultural Employment by Industry

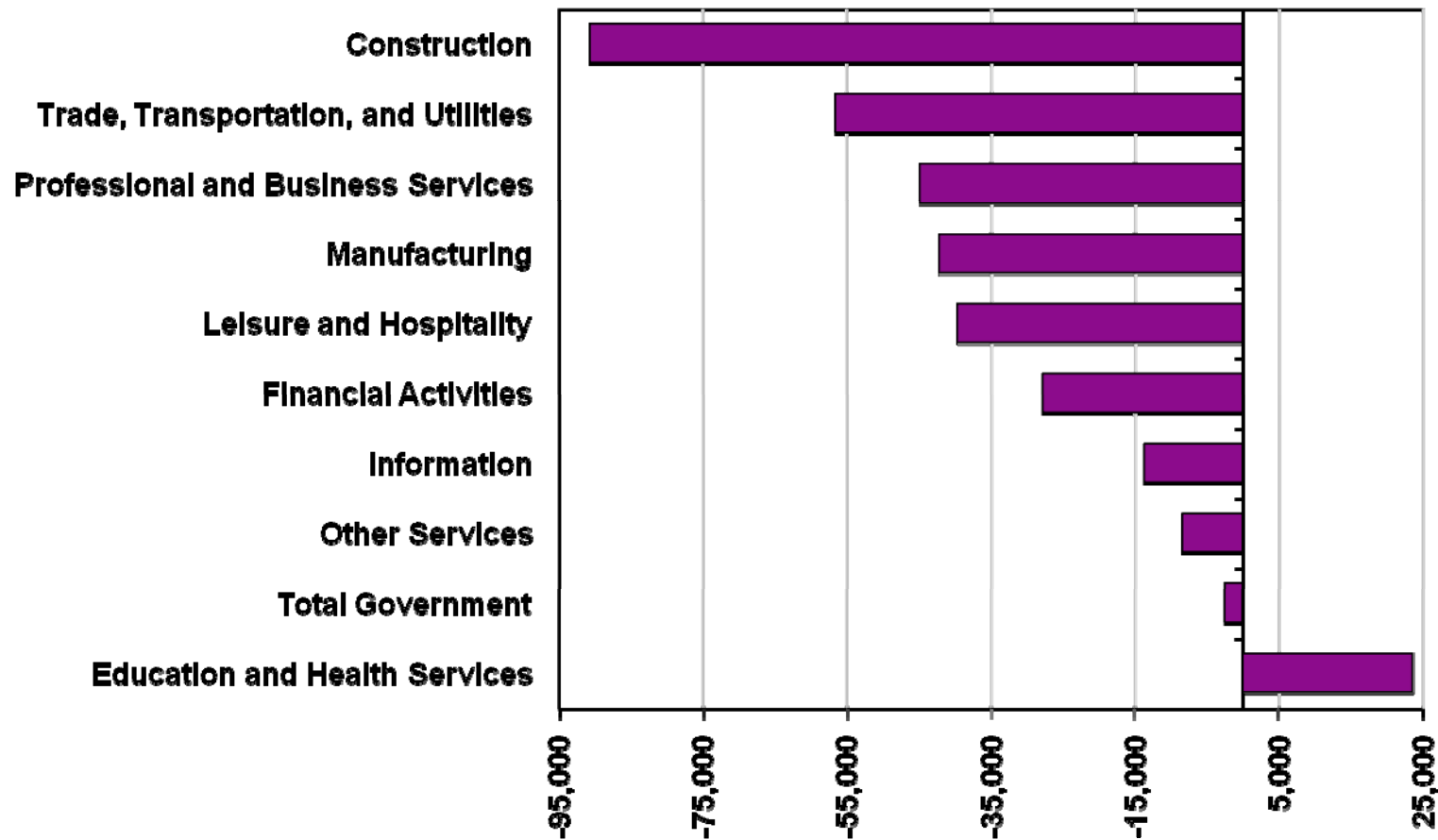
January 2010, Seasonally Adjusted, Over-the-Year Percent Change



Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center, Current Employment Statistics Program, in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics, released March 10, 2010.

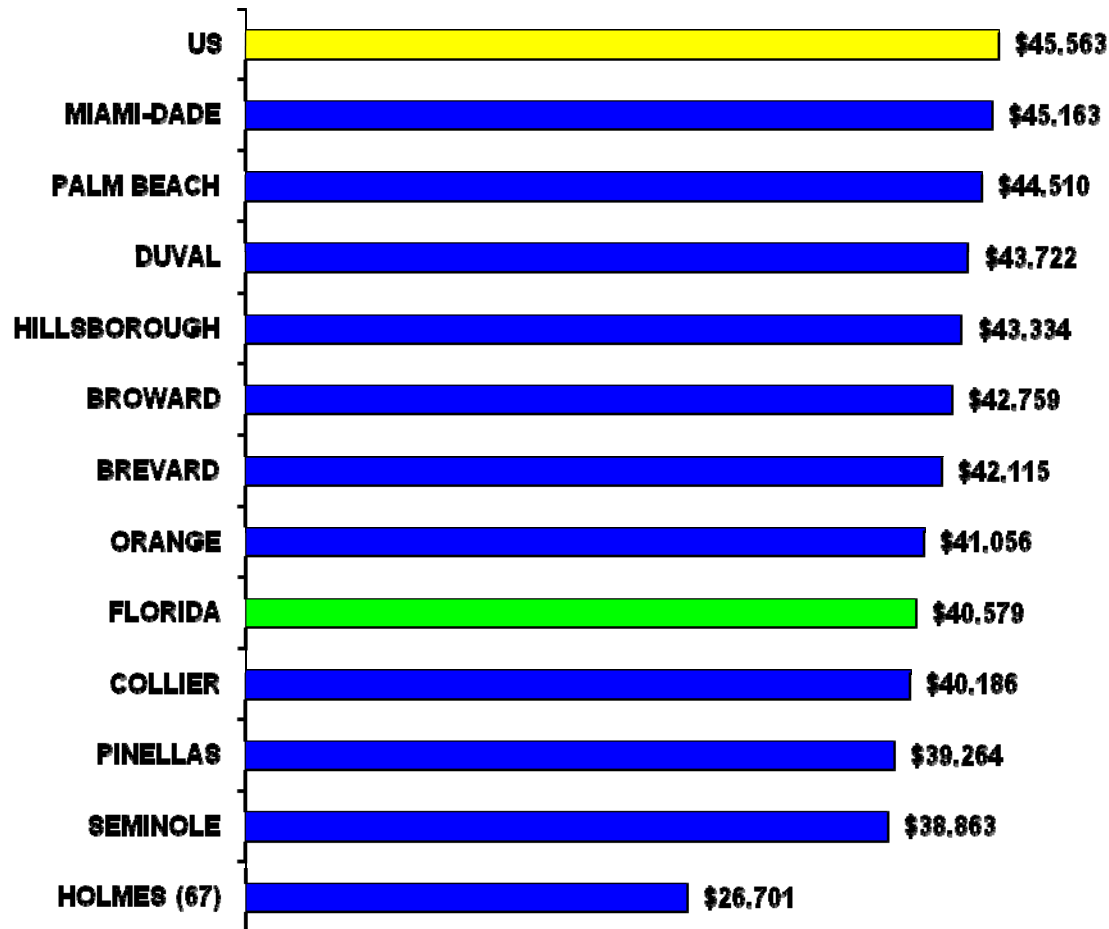
# Florida Employment Change by Industry

## January 2009 – January 2010, Seasonally Adjusted



Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center, Current Employment Statistics Program, in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics, released March 10, 2010.

# Florida Average Annual Wages Range from \$45,163 to \$26,701



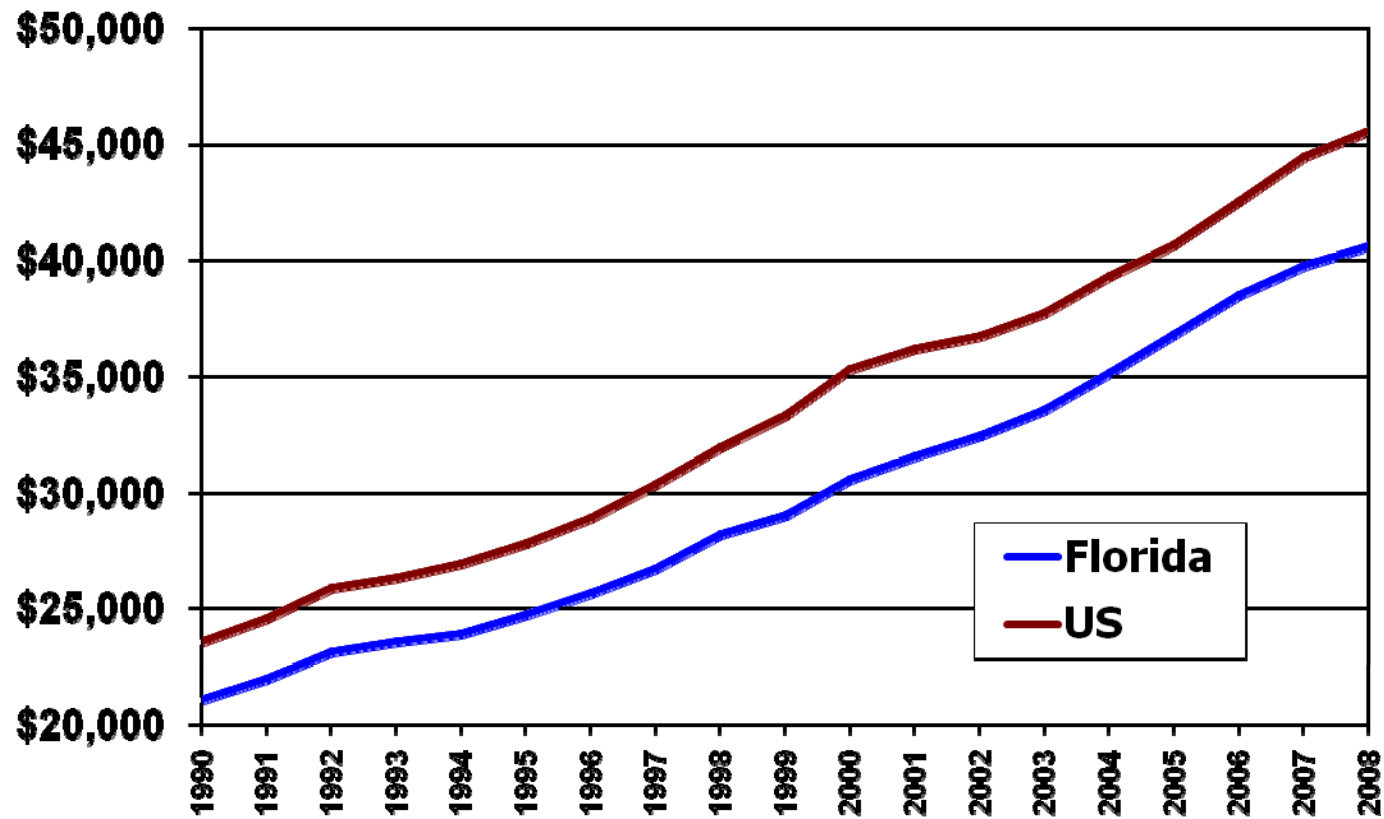
Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center, Quarterly Census of Employment and Wages Program, in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics, 2008 Wage Data, released October 2009.

# Florida Wages by Industry

## Information and Financial Activities Lead the State

Industry	2008 Average Annual Wages
Total, All Industries	\$40,579
Information	\$58,194
Financial Activities	\$55,748
Manufacturing	\$48,652
Professional and Business Services	\$46,997
Government	\$46,424
Education and Health Services	\$42,245
Construction	\$42,040
Trade, Transportation, and Utilities	\$36,220
Other Services	\$28,565
Natural Resources and Mining	\$23,981
Leisure and Hospitality	\$21,200

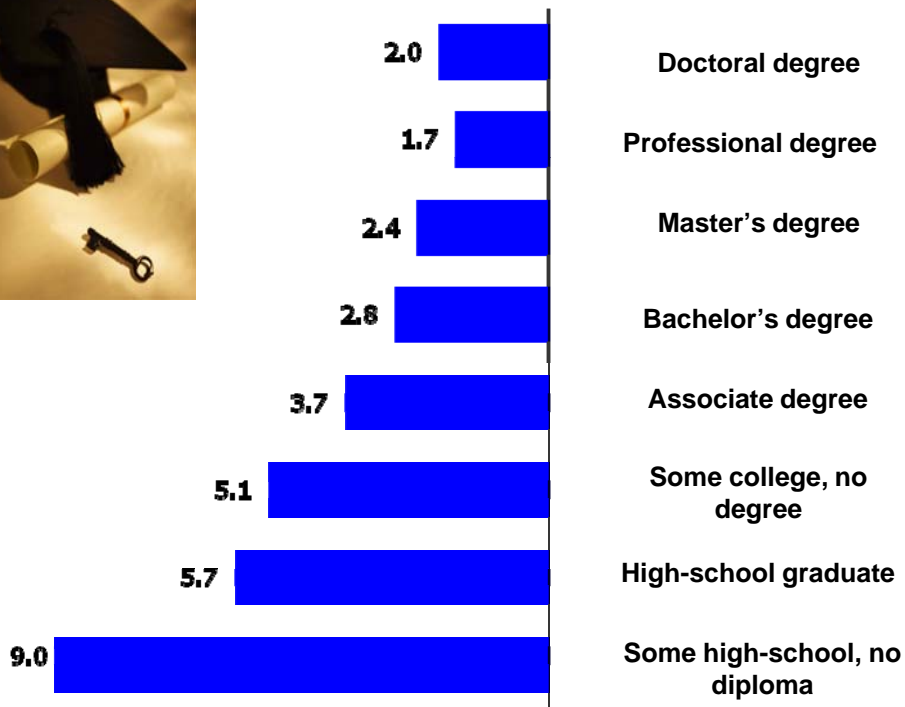
# Average Annual Wage



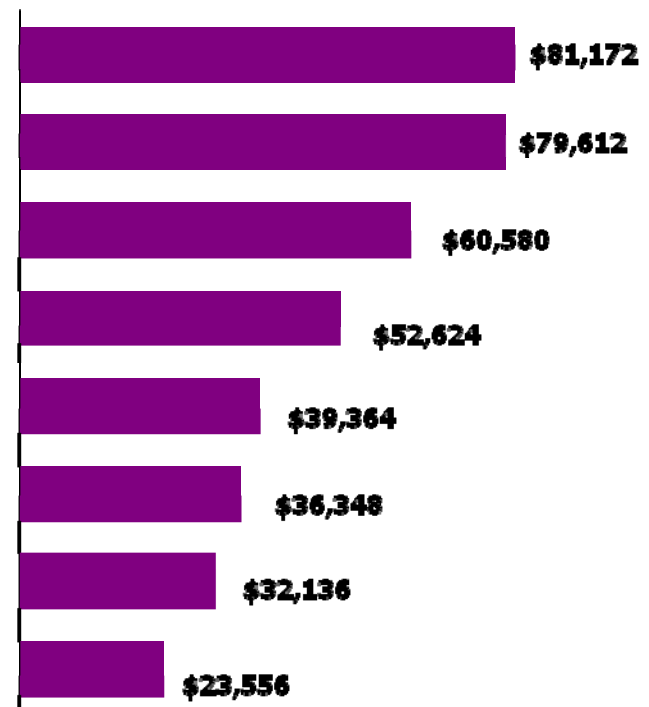
Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center, Quarterly Census of Employment and Wages Program, in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics, released October 2009.

# Education and Training pay ...

**Unemployment Rate  
(Percent)**



**Median Earnings  
(Dollars)**



Notes: Unemployment and earnings for workers 25 and older, by educational attainment; earnings for full-time wage and salary workers.

Sources: Unemployment rate, 2008 annual average: U.S. Bureau of Labor Statistics; 2008 Weekly Median Earnings (multiplied by 52 weeks), U. S. Bureau of the Census.





**Florida  
Agency for Workforce Innovation  
Labor Market Statistics Center**

**Caldwell Building  
MSC G-020  
107 E. Madison Street  
Tallahassee, Florida 32399-4111**

**Phone (850) 245-7257**

**Rebecca Rust  
Rebecca.Rust@flaawi.com**

**[www.floridajobs.org](http://www.floridajobs.org)  
[www.labormarketinfo.com](http://www.labormarketinfo.com)  
[fred.labormarketinfo.com](http://fred.labormarketinfo.com)  
[www.floridawages.com](http://www.floridawages.com)**

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





# **Employment Projections 2017 Workforce Estimating Conference**

**Florida  
Agency for Workforce Innovation  
Labor Market Statistics Center**

**August 2009**





# Employment Projections -- General Information

- Employment forecast covers the projection period 2009-2017.
- Independent variables used were historical and projected national industry employment, population, income data, U.S. and Florida unemployment rates, and housing starts.
- Staffing patterns derived from our 2008 occupational survey, with 54,300 employer responses, representing more than 4.5 million workers were used to produce the occupational projections.
- Some of the job growth projected in this forecast will include the recapturing of jobs lost during the recent economic downturn.



# Employment Projections -- Issues and Considerations

- Reviewed the results of the Florida Economic Estimating Conference.
- Used a population forecast with a significantly slower growth rate.
- Incorporated information on numerous plant openings and closings.
- Assumed that tighter credit standards would result in slower job growth.



# Employment Projections -- Issues and Considerations

- Used current data on NASA contractors to help predict job losses resulting from the shutdown of the Space Shuttle Program.
- Based projections of Professional Employment Organizations (PEOs) on the Accurate Employment Statistics Enhancement Act that requires clients' industry codes.



# Industry Employment Projections to 2017

- Florida is projected to gain more than 1.1 million new jobs between 2009 and 2017 (1.76% annual growth).
- All major industry sectors will see employment gains, except agriculture, forestry and fishing.
- Some of the industries hardest hit by job losses between 2006 and 2009 will experience some of the larger job gains as these industries recover, over the long term, from recent employment declines.

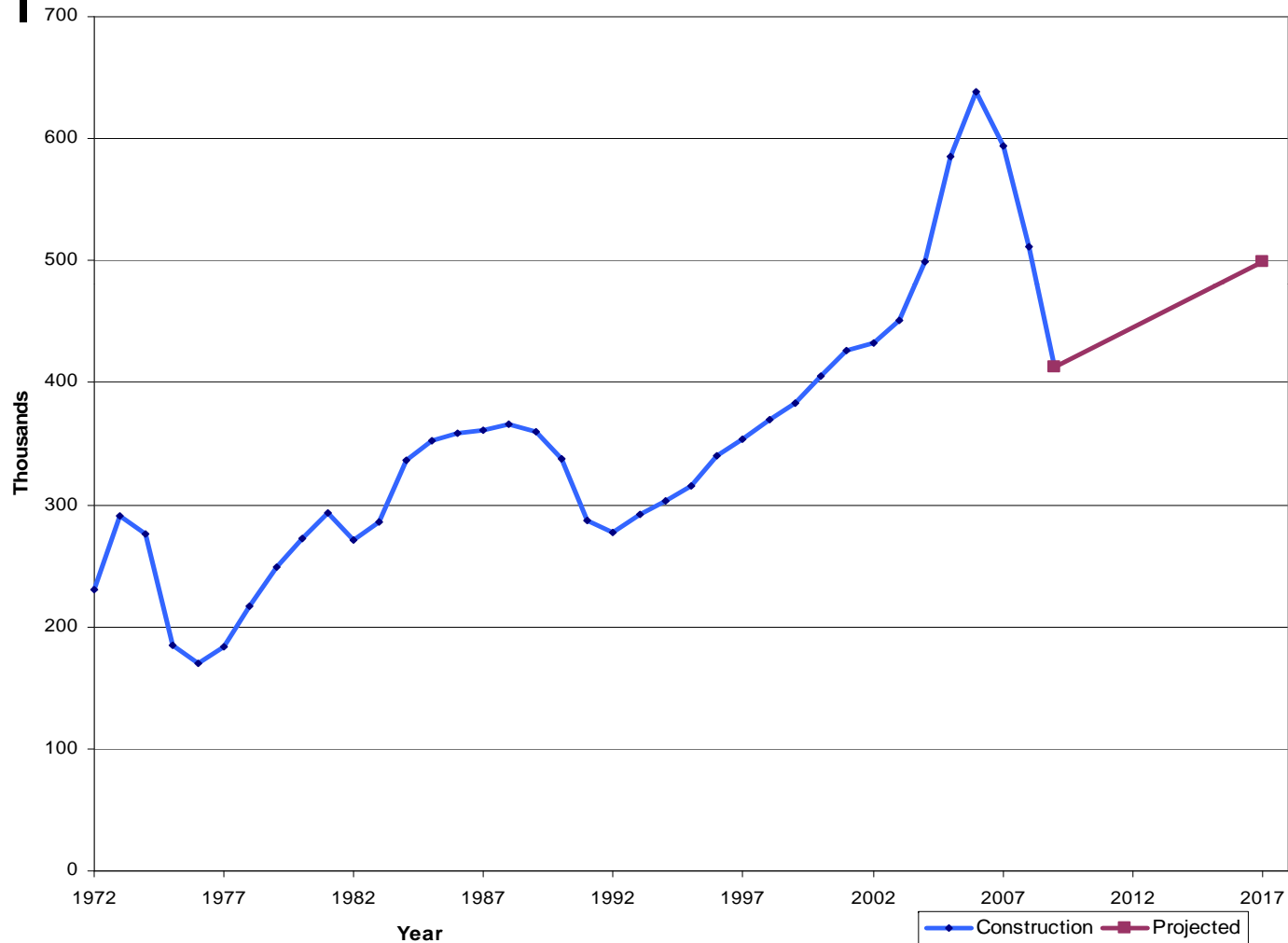


# Industry Employment Projections to 2017

- Major industry sectors growing the fastest: education and health, and construction.
- Major industry sectors gaining the most new jobs: education and health, and professional and business services.
- Major sectors growing the slowest: manufacturing and mining.
- Due to recessionary declines in construction, this will be one of the fastest-growing industries in the long term as it recoups a portion of recent job losses (job growth of 86,759, 21.1%).



# Florida Construction Employment



Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center



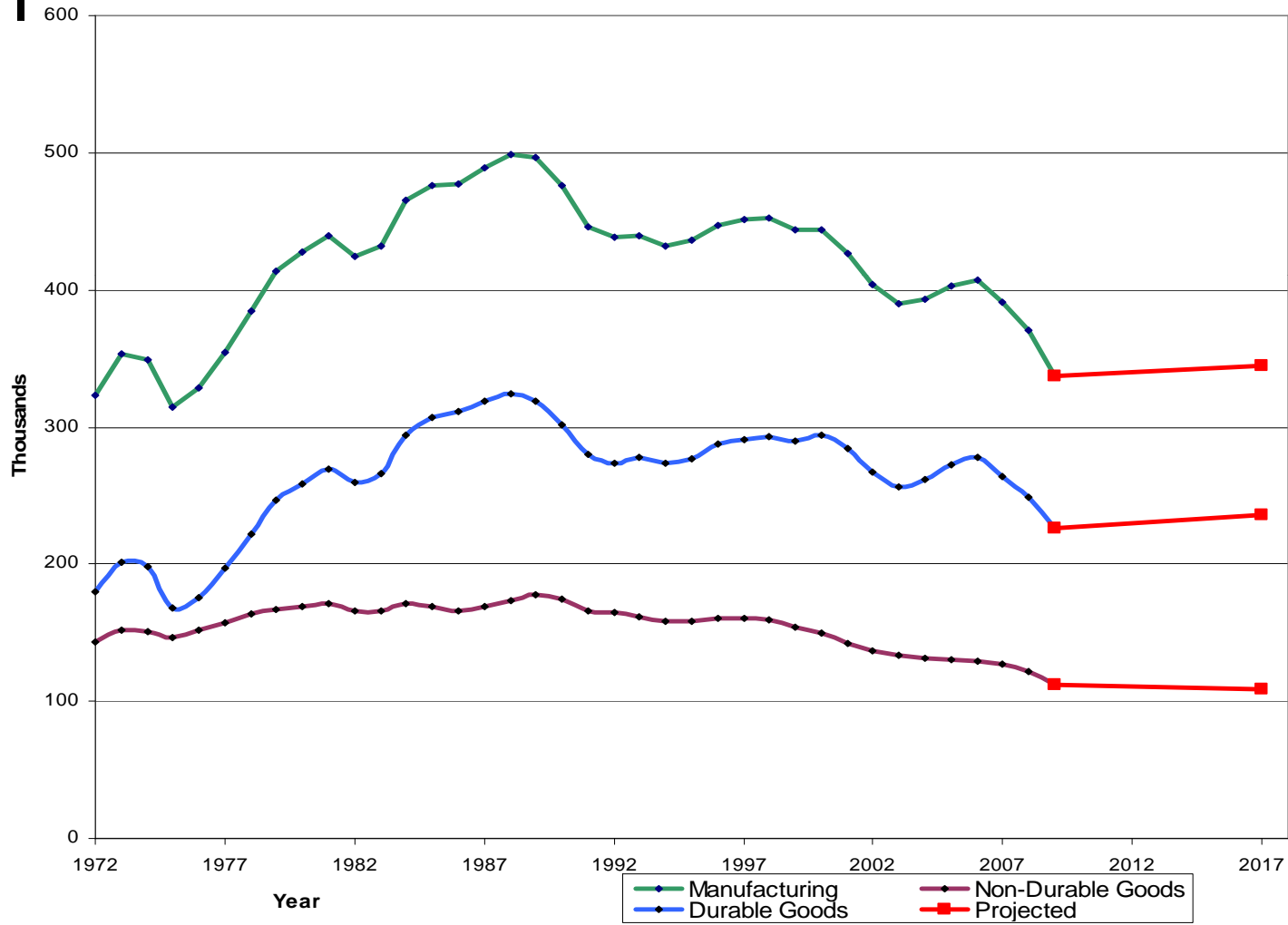


# Industry Employment Projections to 2017

- Manufacturing employment will remain flat: the recouping of some of the construction-related manufacturing job losses combined with growth in pharmaceutical and medical instruments manufacturing will offset other manufacturing job losses.
- Retail trade will grow slower than average due to weaker consumer demand. Almost all retail sectors will grow much slower than average.
- The information sector will be driven by gains in software publishing, wireless telecommunications, and Internet-related service providers.



# Florida Manufacturing Employment



Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center

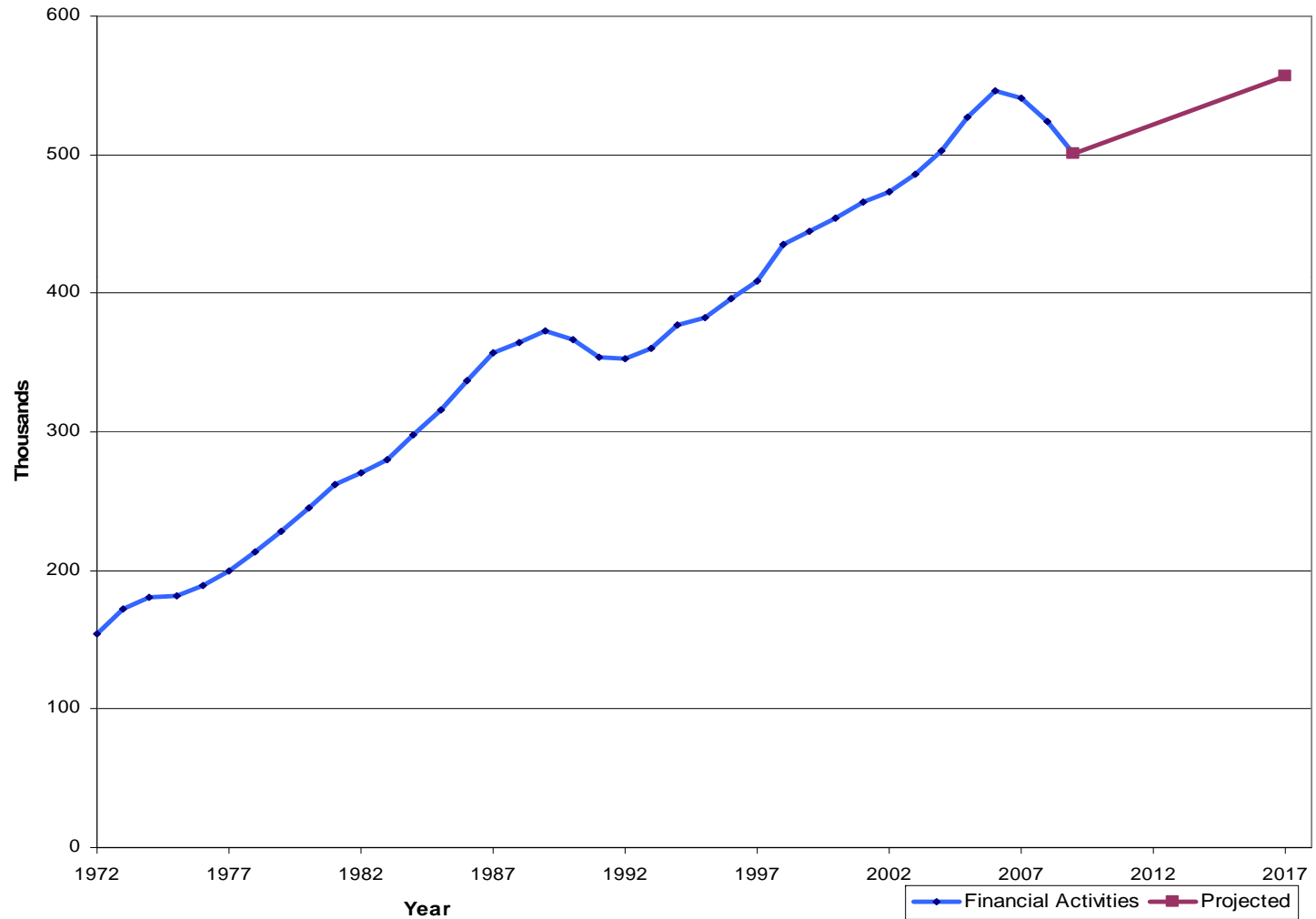


# Industry Employment Projections to 2017

- The recent economic downturn has resulted in structural changes in the financial activities industry, resulting in less projected employment growth.
- Professional and business services will be strong due to faster than average growth in two of its larger industries, employment services and services to buildings.
- Education, both private and public, will have 63 percent of its job growth in elementary and secondary schools and 22 percent in four-year colleges and universities.



# Florida Financial Activities Employment



Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center

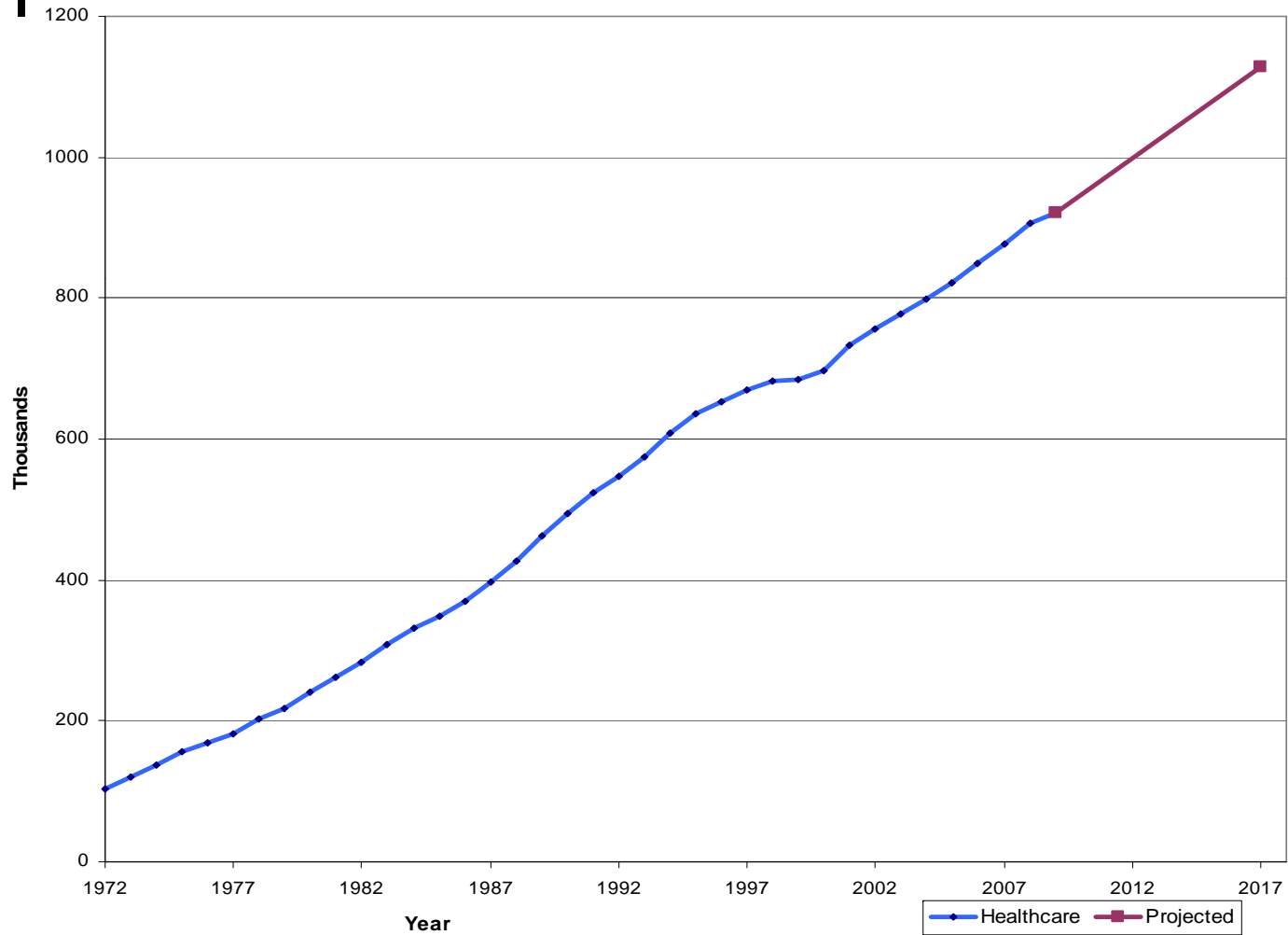


# Industry Employment Projections to 2017

- Healthcare will be the fastest-growing single industry, driven by advances in medical technology and an aging population.
- The leisure and hospitality sector is projected to grow faster than the average rate as tourism rebounds, helping food services and drinking places to account for two-thirds of the new jobs in leisure and hospitality.
- Government will be one of the slower-growing industry sectors, but due to the industry's size it will generate a large number of new jobs. More than 80 percent of the new jobs in government will be in local government.
- Growth in jobs in the self-employed and unpaid family workers sector will be much slower than average, accounting for only 5.5 percent of the new jobs.



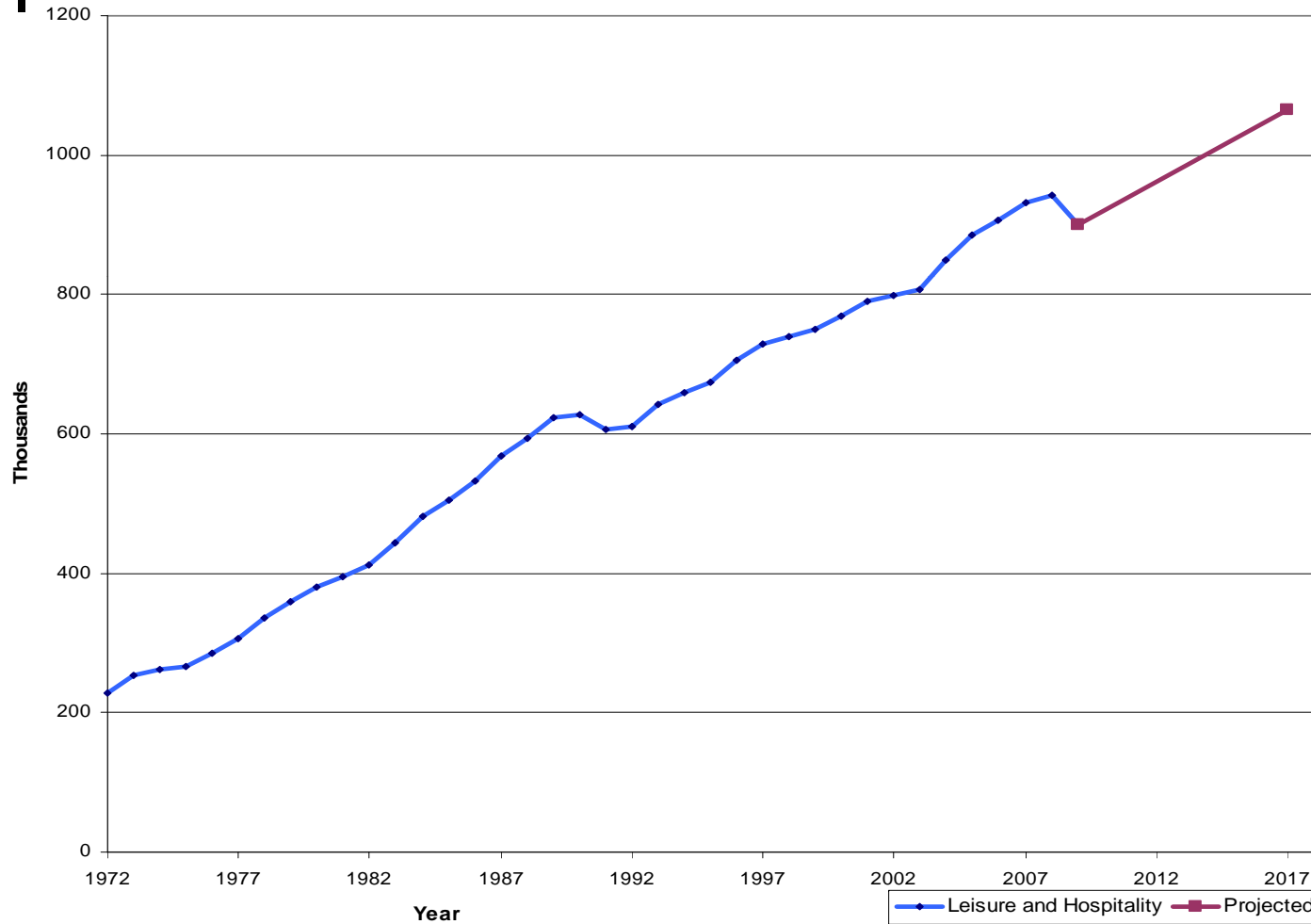
# Florida Healthcare Employment



Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center



# Florida Leisure and Hospitality Employment



Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center



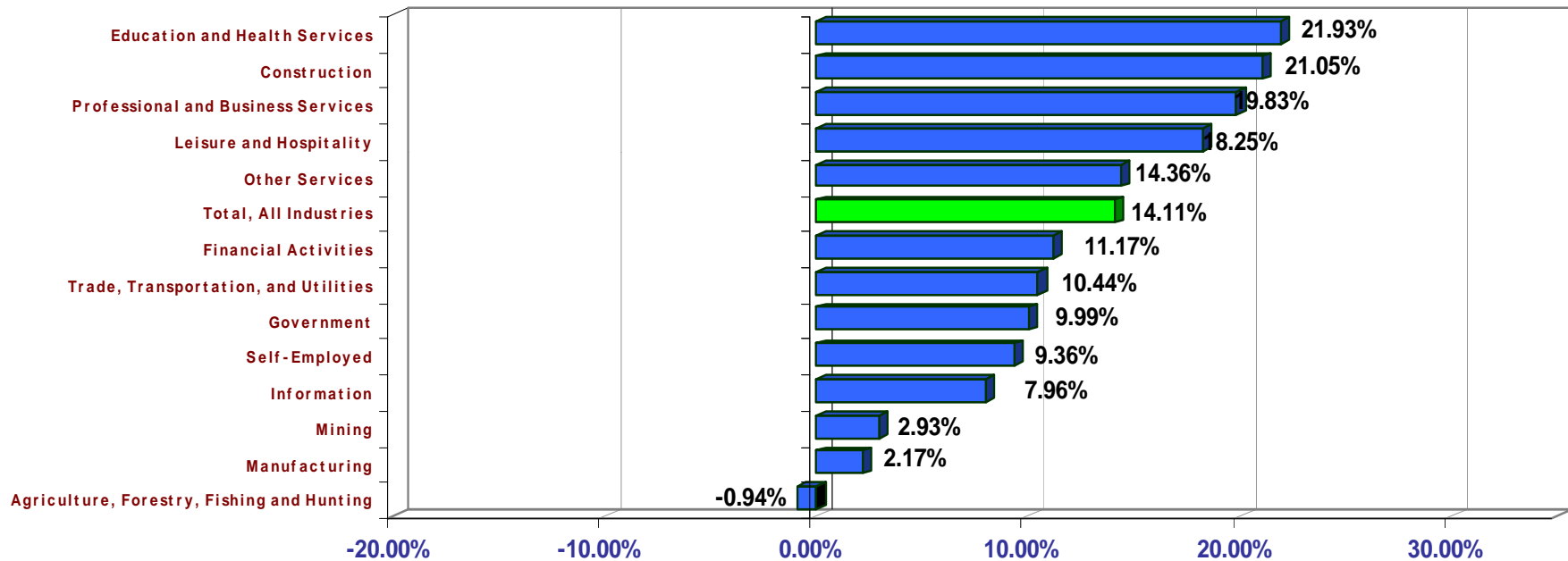
# Florida Employment Forecast by Major Industry Sector 2009-2017

Industry Title	Employment		Annual Change		2009-17 Change	
	2009	2017	Total	Percent	Total	Percent
<b>Total, All Industries</b>	8,111,474	9,256,339	143,108	1.76	1,144,865	14.11
Agriculture, Forestry, Fishing and Hunting	85,509	84,709	-100	-0.12	-800	-0.94
Mining	3,692	3,800	14	0.37	108	2.93
Construction	412,238	498,997	10,845	2.63	86,759	21.05
Manufacturing	337,607	344,921	914	0.27	7,314	2.17
Trade, Transportation, and Utilities	1,511,633	1,669,468	19,729	1.31	157,835	10.44
Information	144,191	155,671	1,435	1.00	11,480	7.96
Financial Activities	500,467	556,387	6,990	1.40	55,920	11.17
Professional and Business Services	1,062,439	1,273,134	26,337	2.48	210,695	19.83
Education and Health Services	1,059,356	1,291,711	29,044	2.74	232,355	21.93
Leisure and Hospitality	900,246	1,064,576	20,541	2.28	164,330	18.25
Other Services	319,036	364,842	5,726	1.79	45,806	14.36
Government	1,098,280	1,208,010	13,716	1.25	109,730	9.99
Self-Employed and Unpaid Family Workers	676,780	740,113	7,917	1.17	63,333	9.36



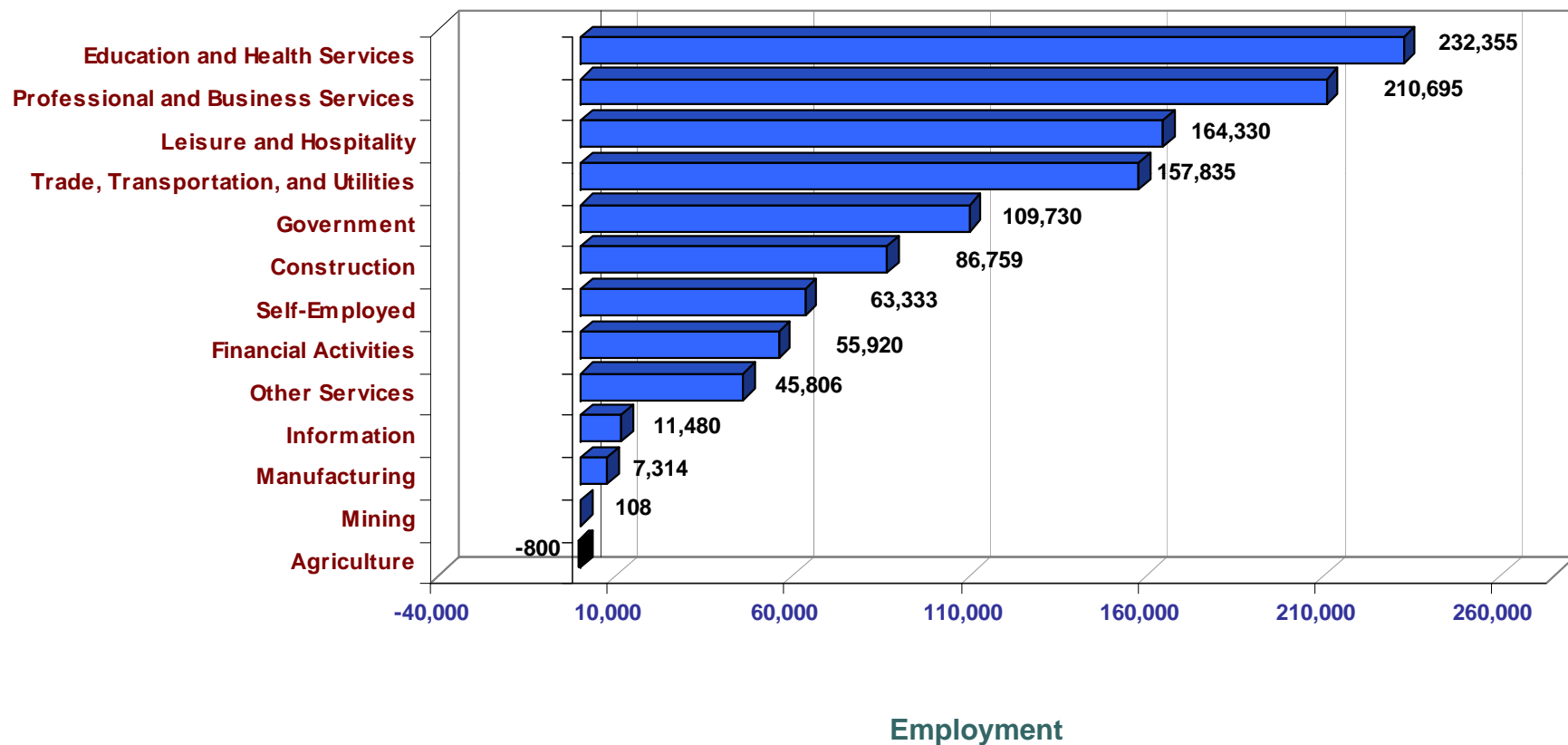


# Florida Employment Growth Rates by Major Industry Sector 2009-2017





# Florida Employment Growth by Major Industry Sector 2009-2017





# Fastest-Growing Detailed Industries\*

RANK	INDUSTRY TITLE	ANNUAL CHANGE	
		NUMERICAL	PERCENT
1	Social Assistance	4,445	4.03
2	Ambulatory Healthcare Services	12,697	3.33
3	ISPs, Web Search Portals, and Data Processing Services	514	3.17
4	Specialty Trade Contractors	7,992	2.99
5	Administrative and Support Services	14,448	2.81
6	Nursing and Residential Care Facilities	4,773	2.75
7	Amusement, Gambling, and Recreation Industries	3,651	2.68
8	Repair and Maintenance	1,753	2.64
9	Other Information Services	111	2.54
10	Warehousing and Storage	658	2.47

\*includes industries with a minimum of 3,500 jobs in 2009



# Detailed Industries Gaining the Most New Jobs

RANK	INDUSTRY TITLE	ANNUAL CHANGE	
		NUMERICAL	PERCENT
1	Administrative and Support Services	14,448	2.81
2	Food Services and Drinking Places	13,581	2.36
3	Ambulatory Healthcare Services	12,697	3.33
4	Local Government	11,094	1.45
5	Professional, Scientific, and Technical Services	10,286	2.31
6	Specialty Trade Contractors	7,992	2.99
7	Nursing and Residential Care Facilities	4,773	2.75
8	Social Assistance	4,445	4.03
9	Hospitals	4,052	1.59
10	Amusement, Gambling, and Recreation Industries	3,651	2.68



# Occupational Employment Projections to 2017

- All 22 major occupational groups are projected to grow.
- Five occupational groups; clerical, food service, sales, healthcare professionals, and construction will account for 50 percent of the new jobs.
- Healthcare support, healthcare professionals, and construction occupations will grow the fastest.
- Clerical, food service, and sales occupations will gain the most new jobs.



# Occupational Employment Projections to 2017

- 7 of the 10 fastest-growing occupations are in the healthcare field.
- All of the 10 fast-growing occupations require either postsecondary vocational training or a community college certificate or degree.
- Half of the fastest-growing occupations earn more than \$21 per hour.
- Of the top 10 occupations expected to gain the most new jobs, most are the largest occupations in the state, have widespread demand among numerous industries, include a lot of part-time work, and have minimal requirements for entry into the occupation.
- Overall, more job openings will be due to replacement of workers who retire or change occupations than due to economic growth.

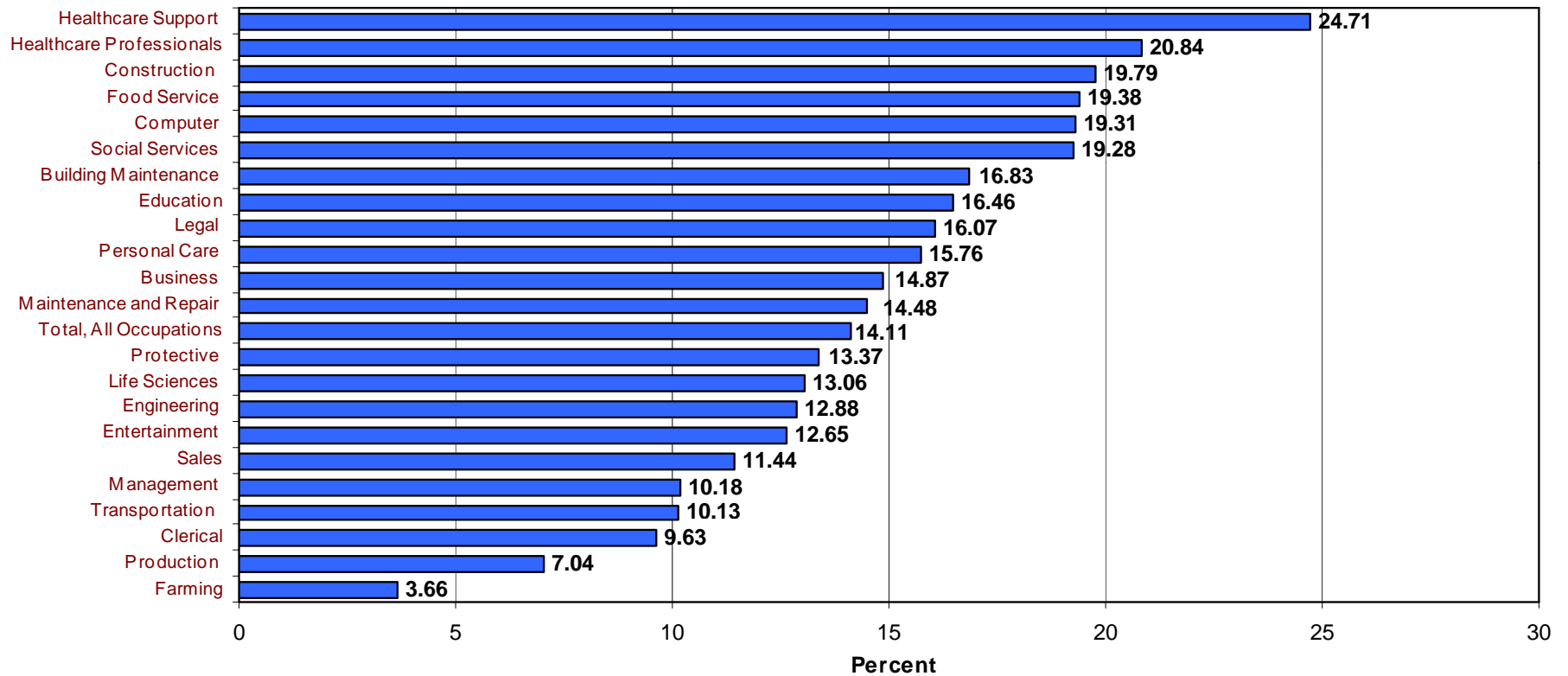


# Florida Employment Forecast by Major Occupational Group 2009-2017

Occupational Group	Employment		2009-17 Change	
	2009	2017	Numerical	Percent
<b>Total, All Occupations</b>	8,111,473	9,256,339	1,144,866	14.11
Management	321,900	354,671	32,771	10.18
Business and Financial Operations	417,361	479,439	62,078	14.87
Computer and Mathematical	161,587	192,789	31,202	19.31
Architecture and Engineering	123,207	139,072	15,865	12.88
Life, Physical, and Social Science	49,554	56,028	6,474	13.06
Community and Social Services	111,736	133,278	21,542	19.28
Legal	82,466	95,721	13,255	16.07
Education, Training, and Library	428,682	499,236	70,554	16.46
Arts, Entertainment, Sports, and Media	139,566	157,216	17,650	12.65
Healthcare Practitioners and Technical	442,835	535,121	92,286	20.84
Healthcare Support	227,761	284,039	56,278	24.71
Protective Service	217,311	246,376	29,065	13.37
Food Preparation and Serving Related	707,440	844,516	137,076	19.38
Building and Grounds Cleaning and Maintenance	337,755	394,609	56,854	16.83
Personal Care and Service	272,280	315,186	42,906	15.76
Sales and Related	1,072,601	1,195,350	122,749	11.44
Office and Administrative Support	1,464,686	1,605,744	141,058	9.63
Farming, Fishing, and Forestry	69,432	71,970	2,538	3.66
Construction and Extraction	408,043	488,789	80,746	19.79
Installation, Maintenance, and Repair	325,409	372,531	47,122	14.48
Production	295,449	316,246	20,797	7.04
Transportation and Material-Moving	434,412	478,412	44,000	10.13



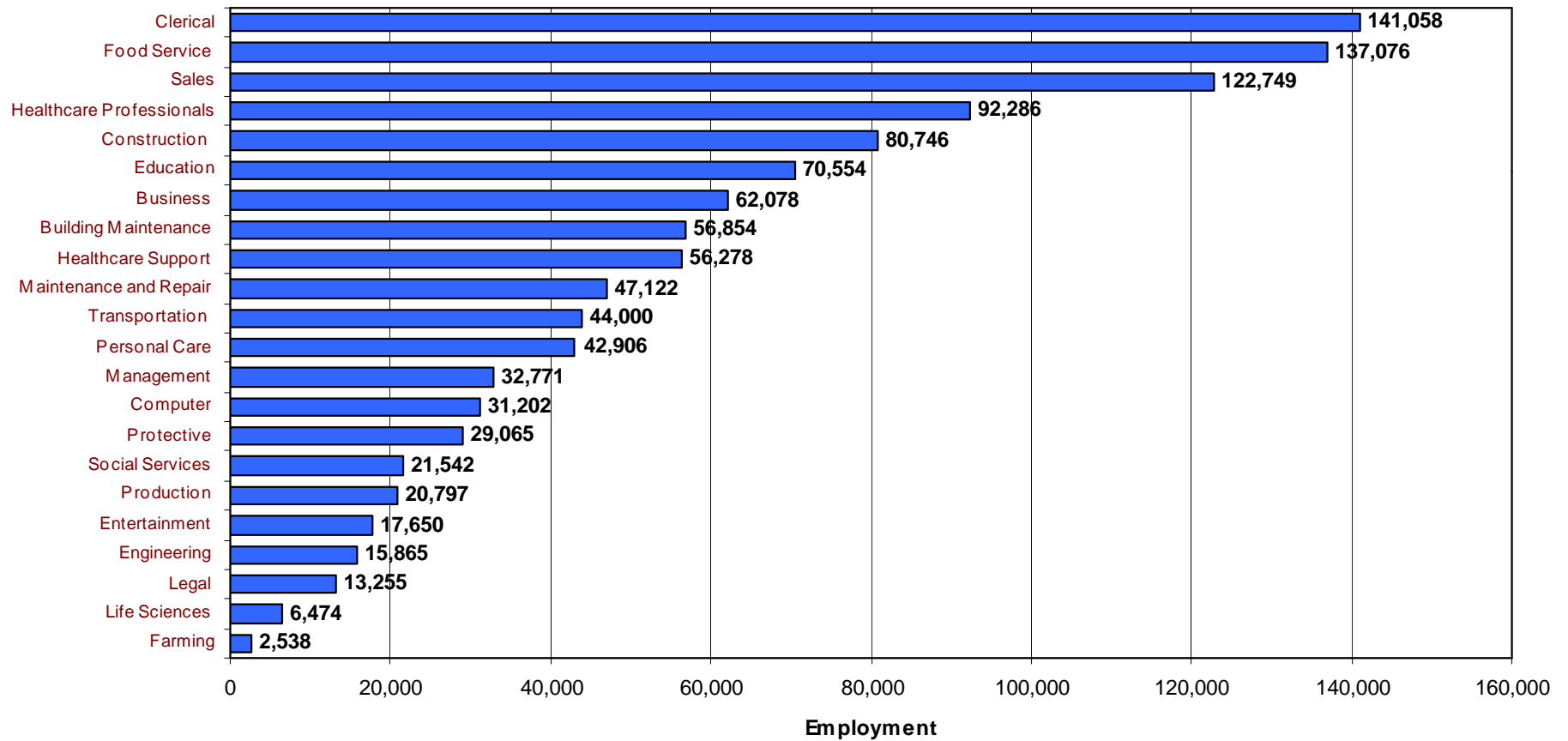
# Florida Employment Growth Rates by Major Occupational Group 2009-2017







# Florida Employment Growth by Major Occupational Group 2009-2017





# Fastest-Growing Detailed Occupations\*

RANK	OCCUPATIONAL TITLE	ANNUAL GROWTH		AVERAGE	EDUCATIONAL
		PERCENT	NUMERICAL	HOURLY WAGE	ATTAINMENT
1	Home Health Aides	5.43	1,746	10.52	PSAV Cert.
2	Network Systems and Data Communications Analysts	4.88	1,103	32.76	PSAV Cert.
3	Personal and Home Care Aides	4.63	574	9.84	PSAV Cert.
4	Veterinary Technologists and Technicians	4.19	261	13.00	CC Cert./Degree
5	Computer Software Engineers, Applications	4.12	790	38.94	CC Cert./Degree
6	Pharmacy Technicians	4.12	868	13.69	PSAV Cert.
7	Medical Assistants	3.77	1,352	13.75	PSAV Cert.
8	Dental Hygienists	3.49	328	28.97	CC Cert./Degree
9	Medical and Public Health Social Workers	3.41	209	21.68	Master's or Higher
10	Physician Assistants	3.37	144	40.33	Bachelor's

\* includes occupations with a minimum of 4,000 jobs in 2009



# Detailed Occupations Gaining the Most New Jobs

RANK	OCCUPATIONAL TITLE	ANNUAL GROWTH		AVERAGE	EDUCATIONAL
		PERCENT	NUMERICAL	HOURLY WAGE	ATTAINMENT
1	Retail Salespersons	1.92	5,078	13.23	High School
2	Waiters and Waitresses	2.45	4,446	10.14	Less Than H.S.
3	Customer Service Representatives	2.82	4,339	14.36	PSAV Cert.
4	Food Preparation & Serving Workers	2.63	4,263	8.52	Less Than H.S.
5	Registered Nurses	2.80	4,192	30.08	CC Cert./Degree
6	Office Clerks, General	1.70	2,690	12.11	High School
7	Nursing Aides, Orderlies, and Attendants	2.59	2,379	11.54	PSAV Cert.
8	Janitors and Cleaners, Exc. Maids and Housekeeping	1.97	2,347	10.48	Less Than H.S.
9	Landscaping and Groundskeeping Workers	2.30	2,334	11.29	Less Than H.S.
10	Bookkeeping, Accounting, and Auditing Clerks	1.84	2,211	15.79	CC Cert./Degree



## Occupational Wages

- The 2009 average hourly wage for all occupations is \$18.78, up from \$18.47 (1.7%) in 2008.
- 19 of 22 major occupational groups had increases in their 2009 average hourly wage. Changes in wages ranged from -3.0 percent for personal care occupations to +3.7 percent for production occupations.
- The sales, education, and personal care occupational groups had a decrease in their 2009 average hourly wage.
- The 2009 overall average hourly wage for occupations requiring postsecondary training below a bachelor's degree was \$21.39, up from \$21.13 (1.2%) in 2008.

# Florida Labor Market and Economic Update

## Workforce Estimating Conference

**Florida Agency for Workforce Innovation  
Labor Market Statistics Center**



**February 2010**

## Labor Force Conditions December 2009, Seasonally Adjusted

- Florida's unemployment rate has been higher than the nation since January 2008
- Florida's highest unemployment rate recorded was 11.9 percent in May 1975

Area	Labor Force	Employment	Unemployment	Unemployment Rate	Year Ago Unemployment Rate
Florida	9,180,000	8,093,000	1,087,000	11.8	7.6
United States	153,059,000	137,792,000	15,267,000	10.0	7.4

Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center, Local Area Unemployment Statistics Program, in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics, released January 22, 2010.

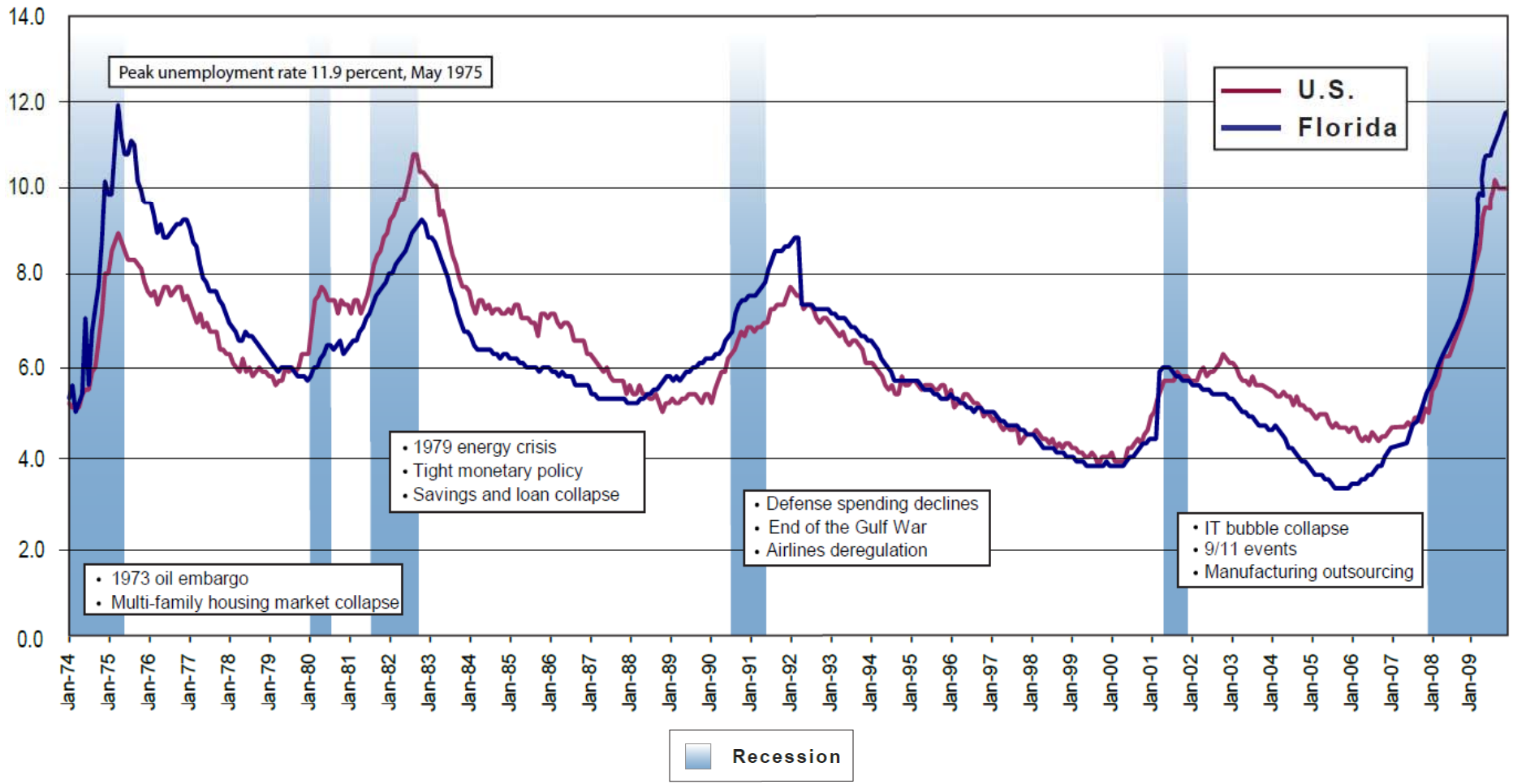
# Unemployment Rates in the Ten Most Populous States

December 2009, Seasonally Adjusted

State	December 2009 Unemployment Rate (%)	December 2008 Unemployment Rate (%)	Change
Michigan	14.6	10.2	4.4
California	12.4	8.7	3.7
<b>Florida</b>	<b>11.8</b>	<b>7.6</b>	<b>4.2</b>
North Carolina	11.2	8.1	3.1
Illinois	11.1	7.2	3.9
Ohio	10.9	7.4	3.5
Georgia	10.3	7.5	2.8
New York	9.0	6.6	2.4
Pennsylvania	8.9	6.4	2.5
Texas	8.3	5.6	2.7

Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center and the U.S. Department of Labor, Bureau of Labor Statistics, Local Area Employment Statistics Program, released January 22, 2010.

# Unemployment Rates Florida and United States January 1974 – December 2009 Seasonally Adjusted



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# Nonagricultural Employment

## Seasonally Adjusted

- Florida's rate of job decline has moderated from -5.4 percent in March 2009 to the current -3.1 percent
- These are the steepest rates of decline since 1975

Area	December 2009	December 2008	Over-the-Year Change	Over-the-Year Percent Change
Florida	7,343,700	7,576,100	-232,400	-3.1
United States	129,547,000	134,328,000	-4,781,000	-3.6

# Employment in the Ten Most Populous States

## Seasonally Adjusted

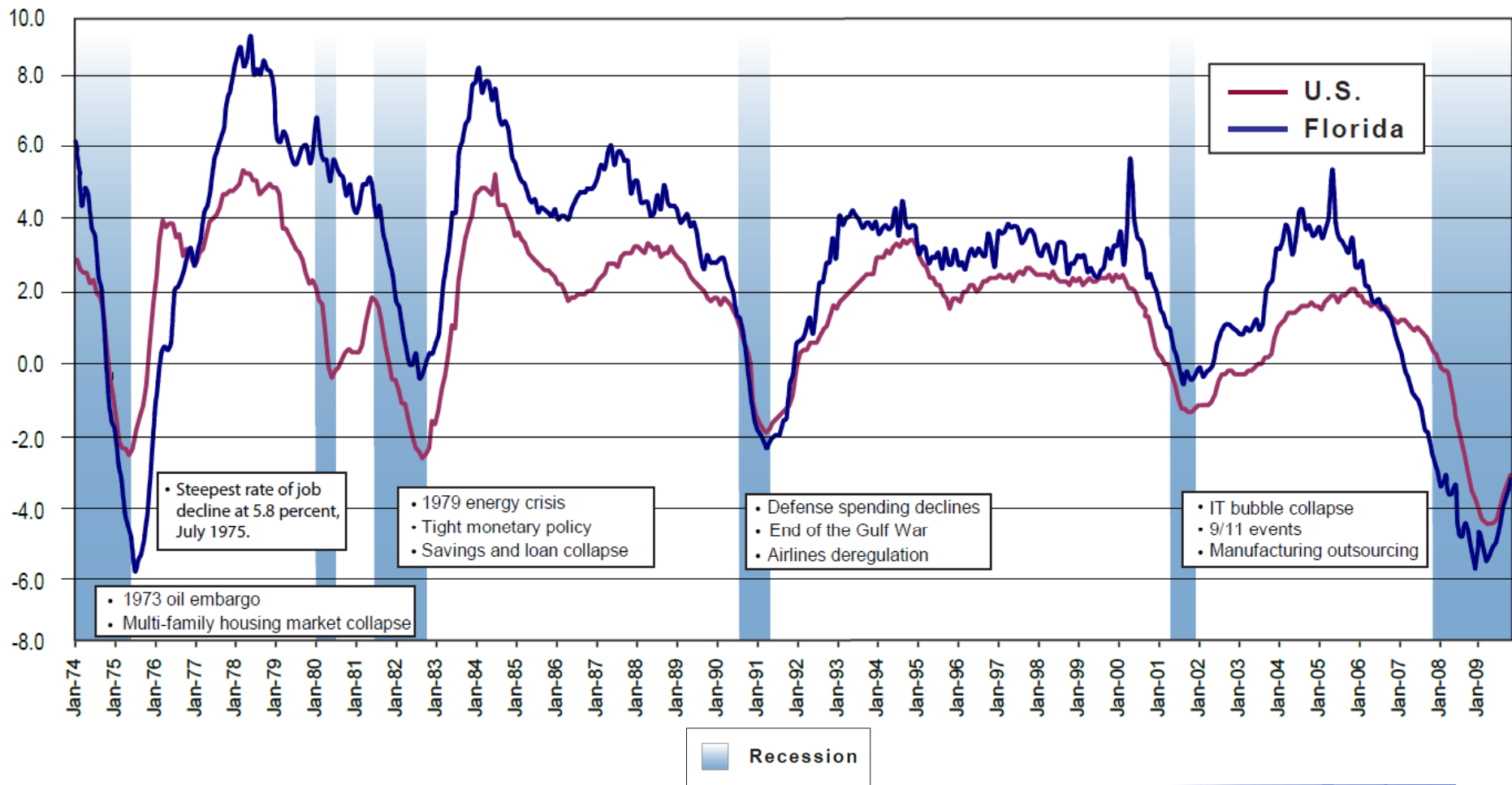
	December 2008 - December 2009		
State	December 2009	Percent Change	Level Change
New York	8,544,900	-1.9	-168,600
Texas	10,355,300	-2.6	-276,000
Pennsylvania	5,598,900	-2.6	-150,300
<b>Florida</b>	<b>7,343,700</b>	<b>-3.1</b>	<b>-232,400</b>
North Carolina	3,924,000	-3.1	-124,200
Ohio	5,086,900	-3.5	-184,900
California	14,148,000	-3.9	-579,400
Illinois	5,612,200	-4.1	-237,300
Georgia	3,839,700	-4.3	-173,900
Michigan	3,831,000	-5.1	-207,100

Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center and the U.S. Department of Labor, Bureau of Labor Statistics, Current Employment Statistics Program, release January 22, 2010.

# Nonagricultural Employment Growth Rates Florida and United States

January 1974 – December 2009

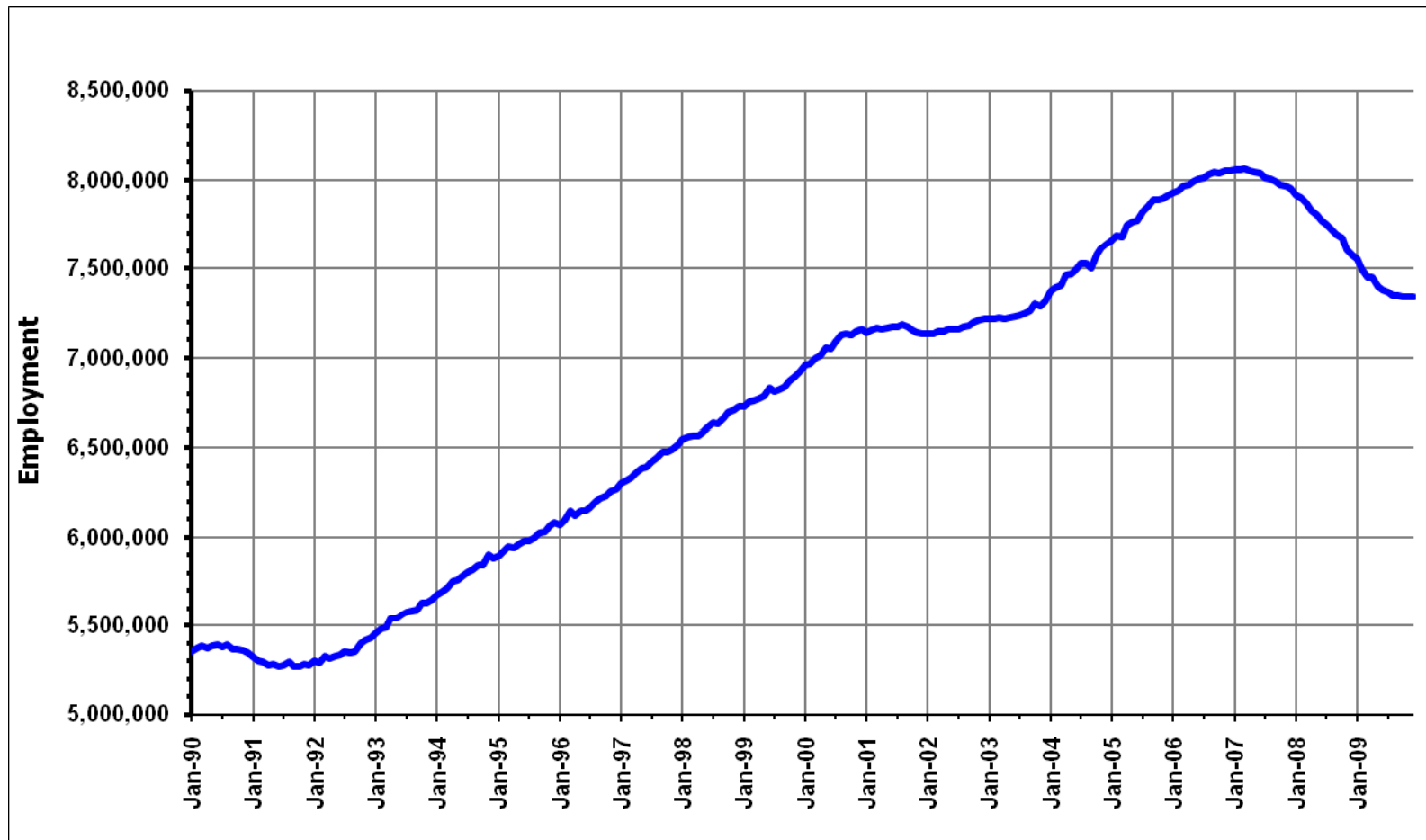
Not Seasonally Adjusted



Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center, Current Employment Statistics Program, in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics, released January 22, 2010.

# Florida Nonagricultural Employment

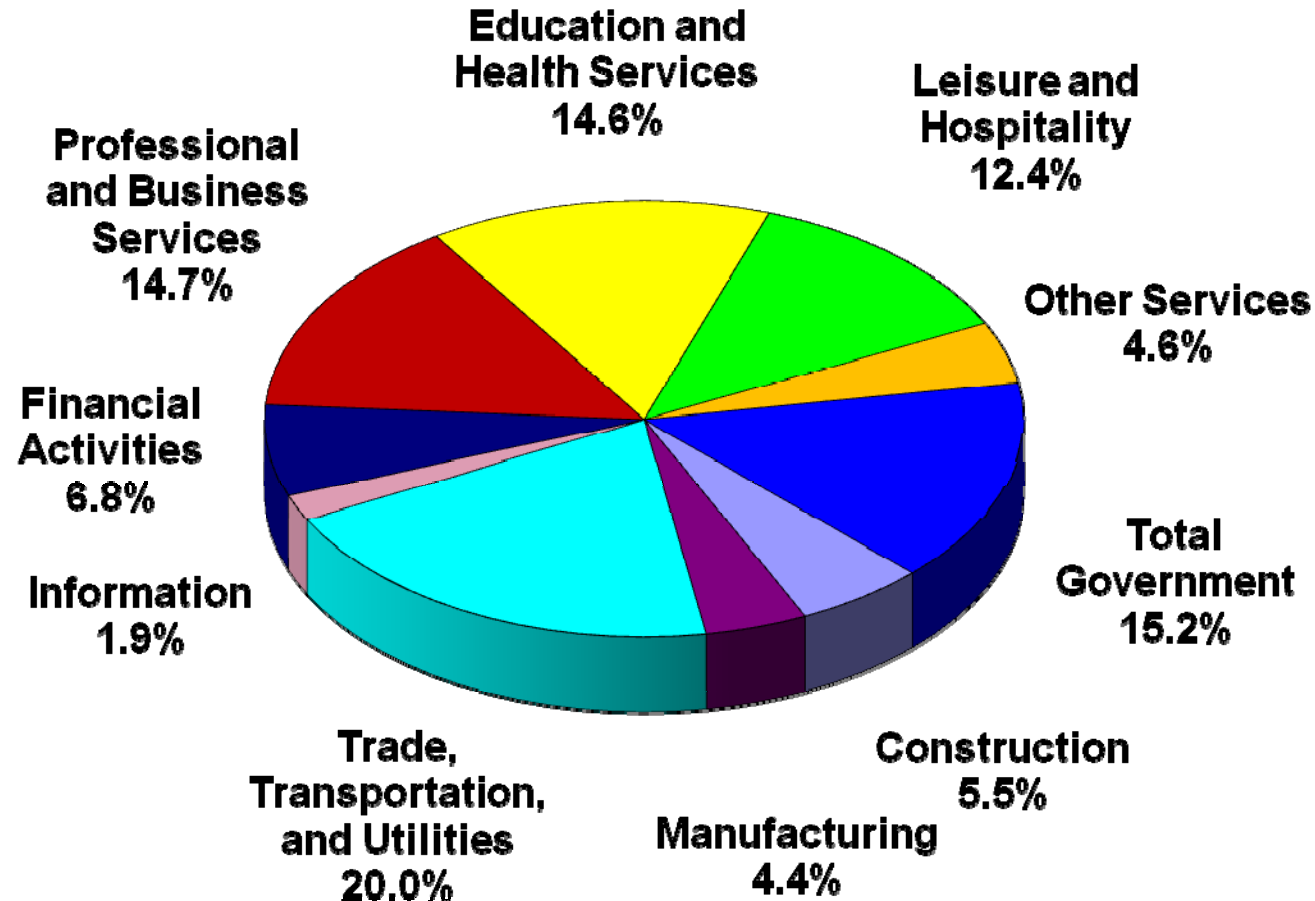
## January 1990 – December 2009, Seasonally Adjusted



Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center, Current Employment Statistics Program, in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics, released January 22, 2010.

# Florida's Nonagricultural Employment by Industry

## December 2009, Seasonally Adjusted

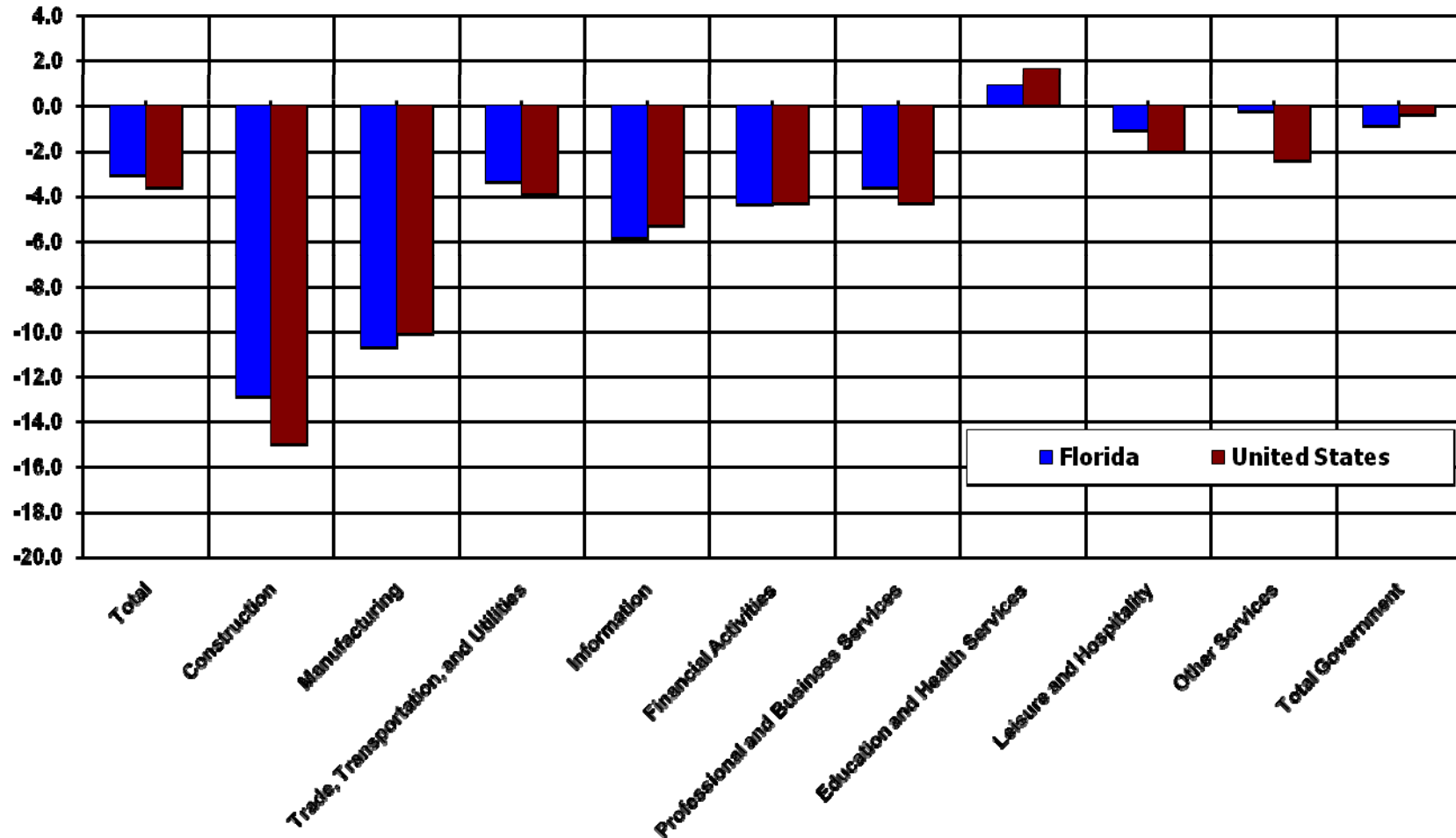


Note: Percents may not add to 100.0 due to rounding.

Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center, Current Employment Statistics Program, in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics, released January 22, 2010.

# Nonagricultural Employment by Industry

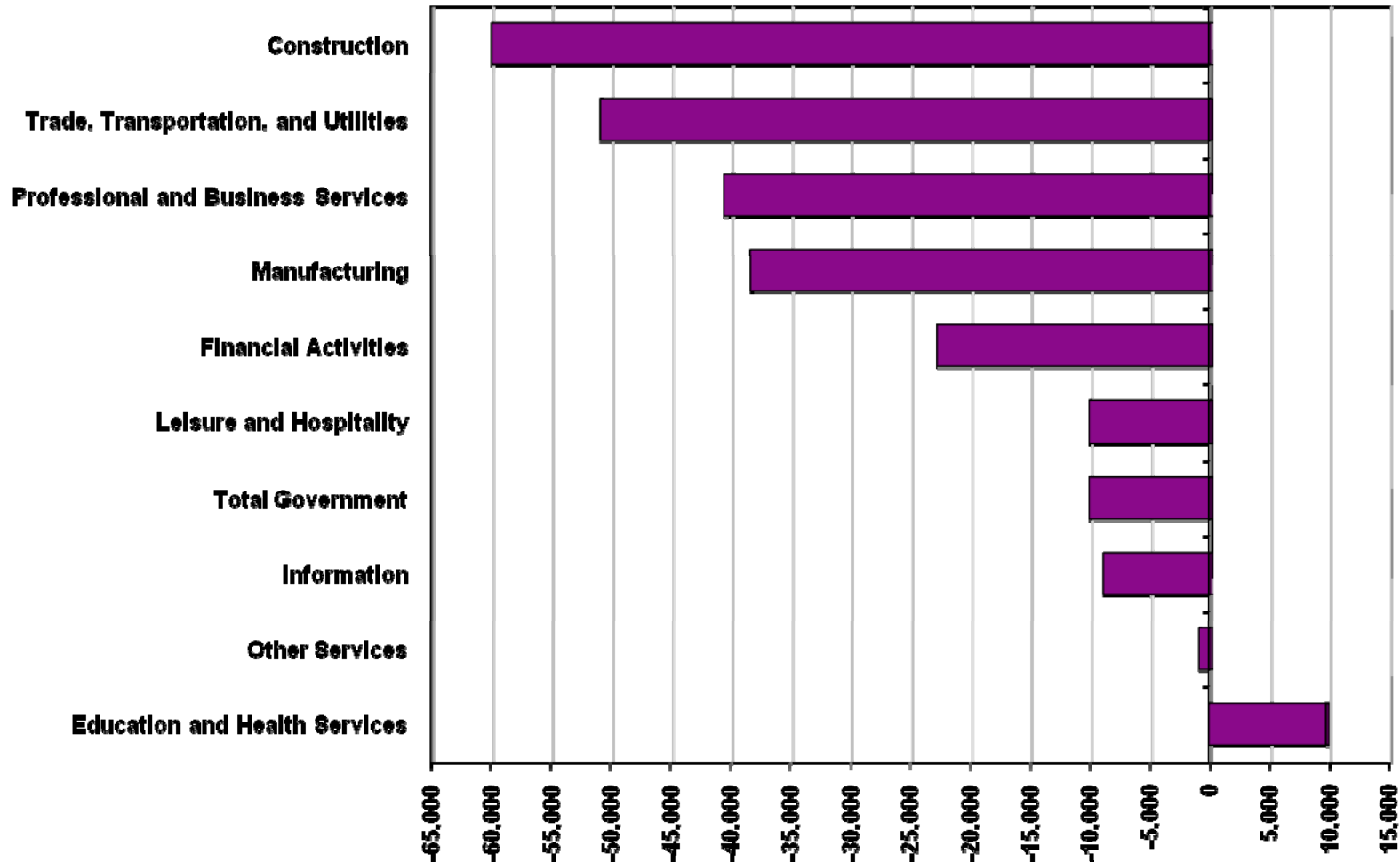
December 2009, Seasonally Adjusted, Over-the-Year Percent Change



Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center, Current Employment Statistics Program, in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics, release January 22, 2009.

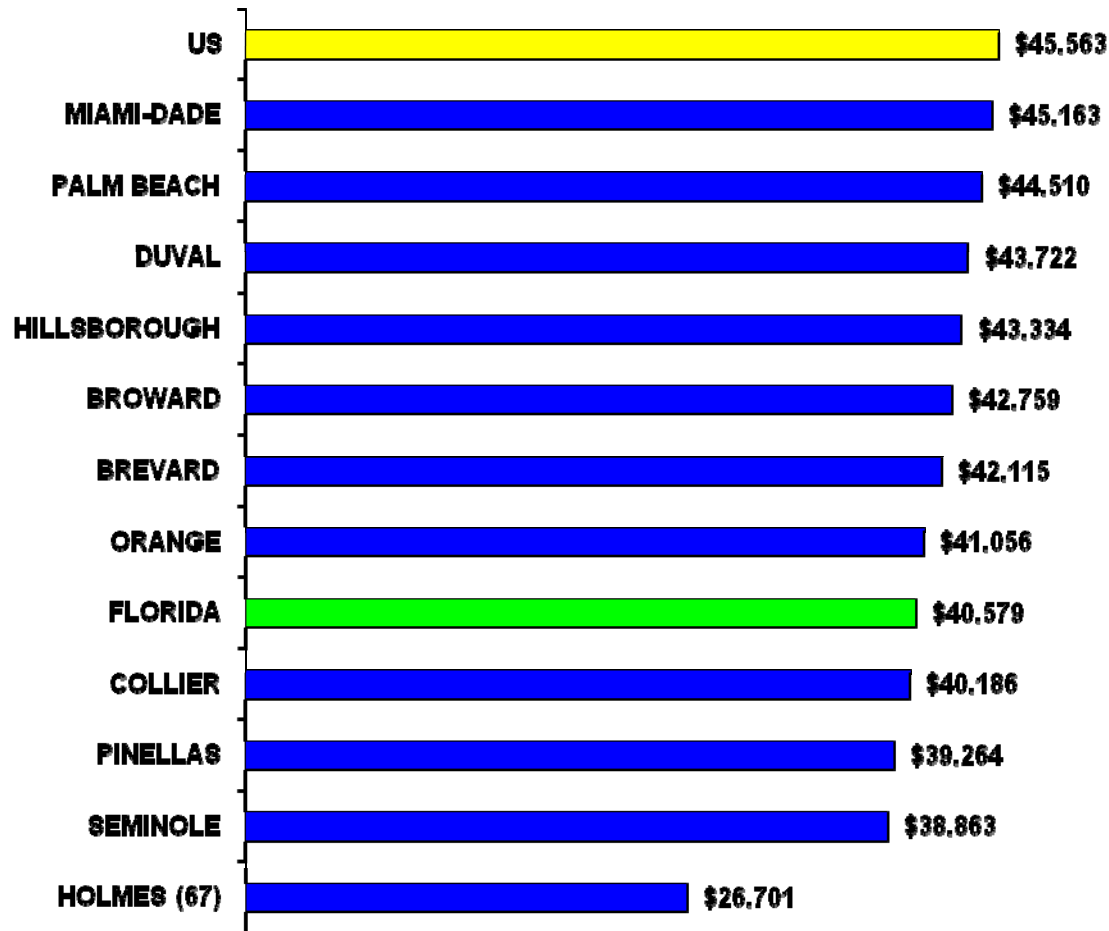
# Florida Employment Change by Industry

## December 2008 – December 2009, Seasonally Adjusted



Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center, Current Employment Statistics Program, in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics, released January 22, 2010.

# Florida Average Annual Wages Range from \$45,163 to \$26,701



Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center, Quarterly Census of Employment and Wages Program, in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics, 2008 Wage Data, released October 2009.

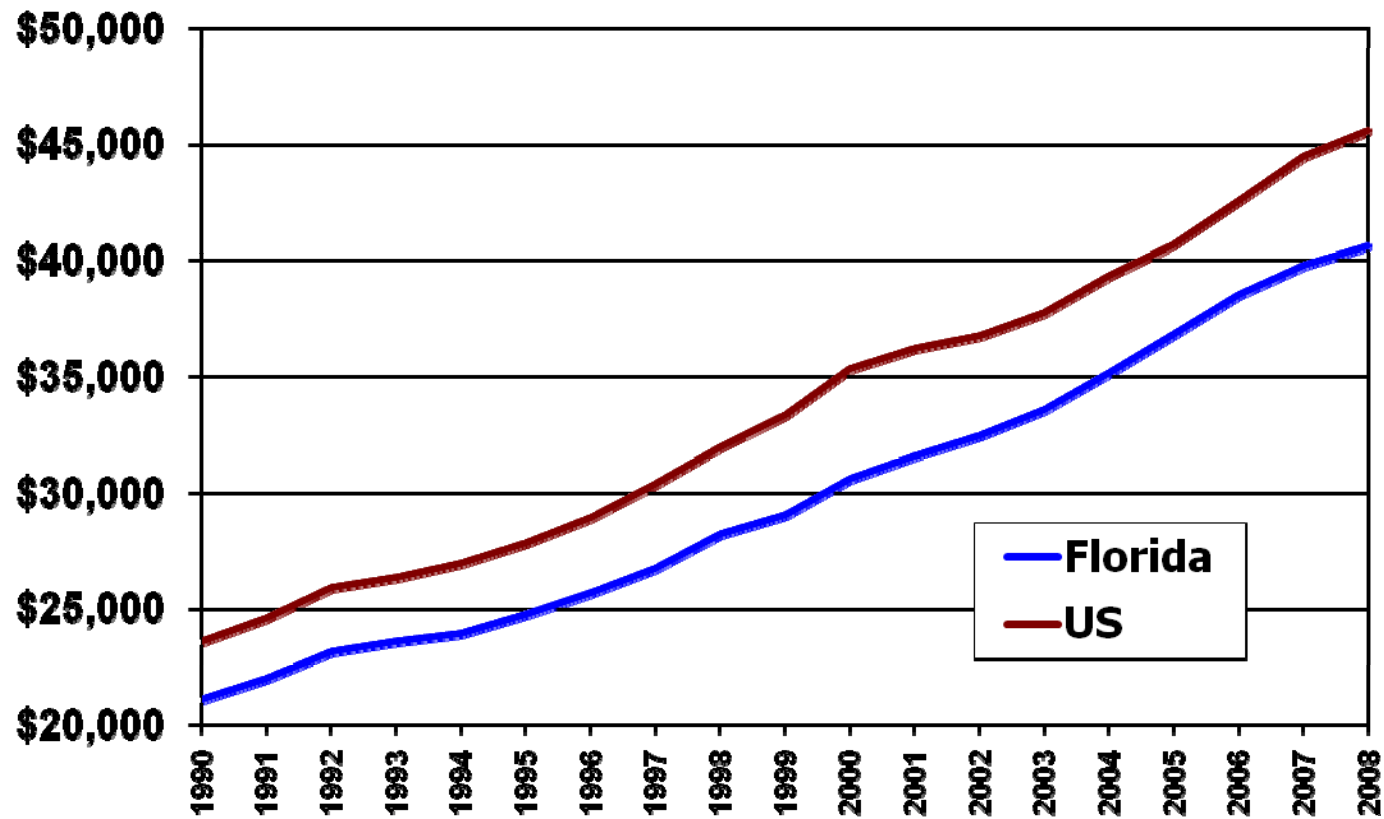


# Florida Wages by Industry

## Information and Financial Activities Lead the State

Industry	2008 Average Annual Wages
Total, All Industries	\$40,579
Information	\$58,194
Financial Activities	\$55,748
Manufacturing	\$48,652
Professional and Business Services	\$46,997
Government	\$46,424
Education and Health Services	\$42,245
Construction	\$42,040
Trade, Transportation, and Utilities	\$36,220
Other Services	\$28,565
Natural Resources and Mining	\$23,981
Leisure and Hospitality	\$21,200

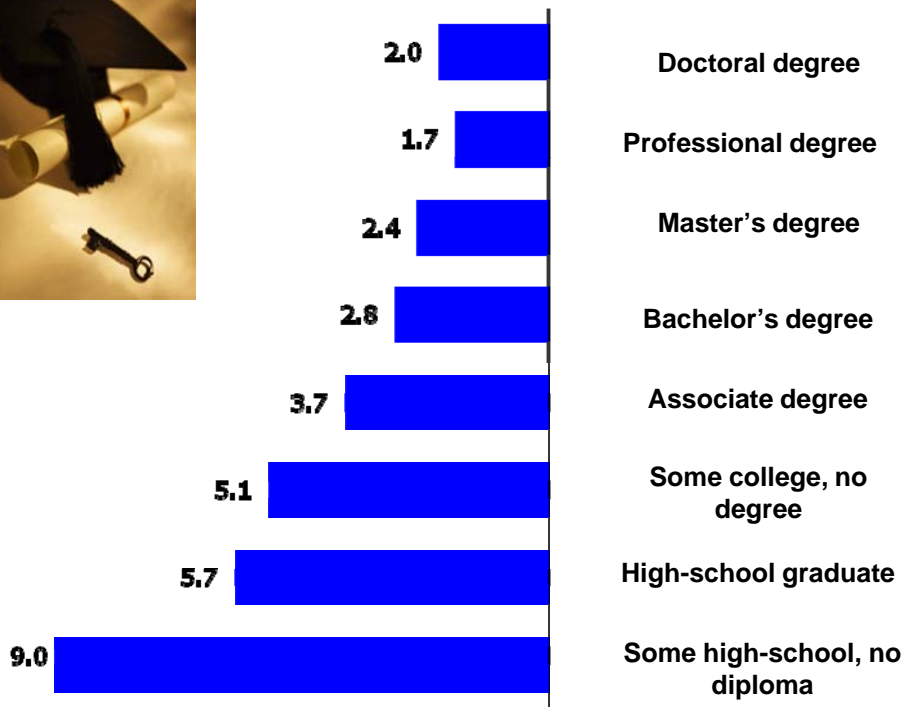
# Average Annual Wage



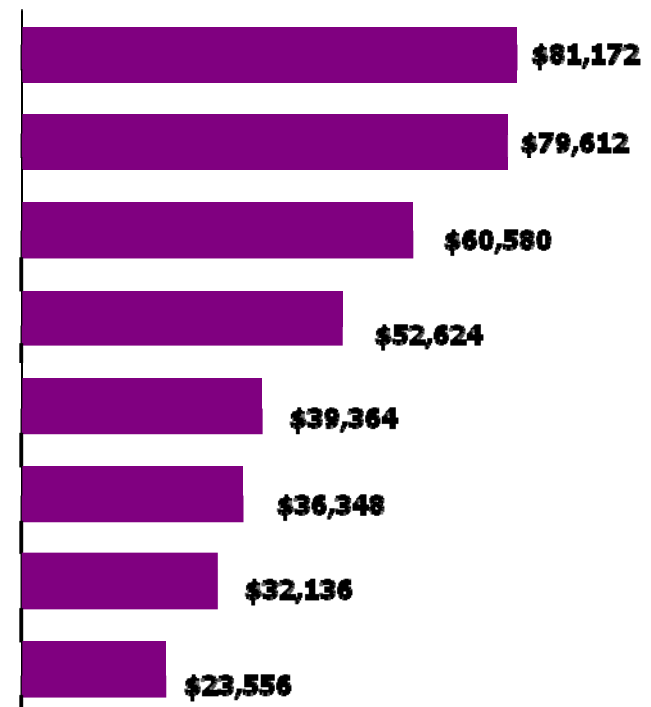
Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center, Quarterly Census of Employment and Wages Program, in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics, 2008 Wage Data, released October 2009.

# Education and Training pay ...

**Unemployment Rate  
(Percent)**



**Median Earnings  
(Dollars)**



Notes: Unemployment and earnings for workers 25 and older, by educational attainment; earnings for full-time wage and salary workers.

Sources: Unemployment rate, 2008 annual average: U.S. Bureau of Labor Statistics; 2008 Weekly Median Earnings (multiplied by 52 weeks), U. S. Bureau of the Census.

**Florida  
Agency for Workforce Innovation  
Labor Market Statistics Center**

**Caldwell Building  
MSC G-020  
107 E. Madison Street  
Tallahassee, Florida 32399-4111**

**Phone (850) 245-7257**

**Rebecca Rust  
Rebecca.Rust@flaawi.com**

**www.floridajobs.org  
www.labormarketinfo.com  
fred.labormarketinfo.com  
www.floridawages.com**

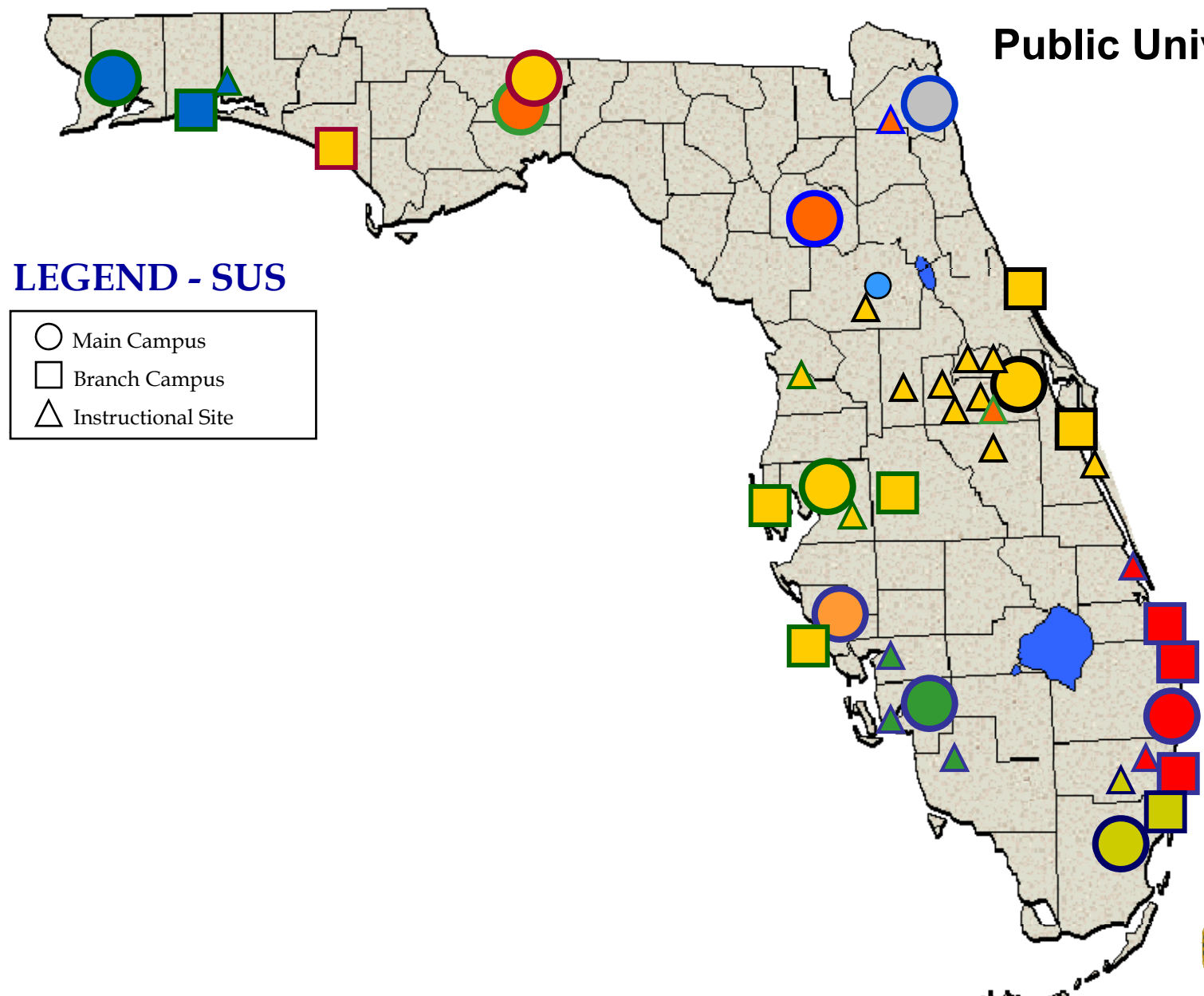
**<http://www.whatpeopleareasking.com/index.shtm>**





# State University System of Florida

# Public Universities



## LEGEND - SUS

- Main Campus
- Branch Campus
- △ Instructional Site



# Public Universities and Colleges

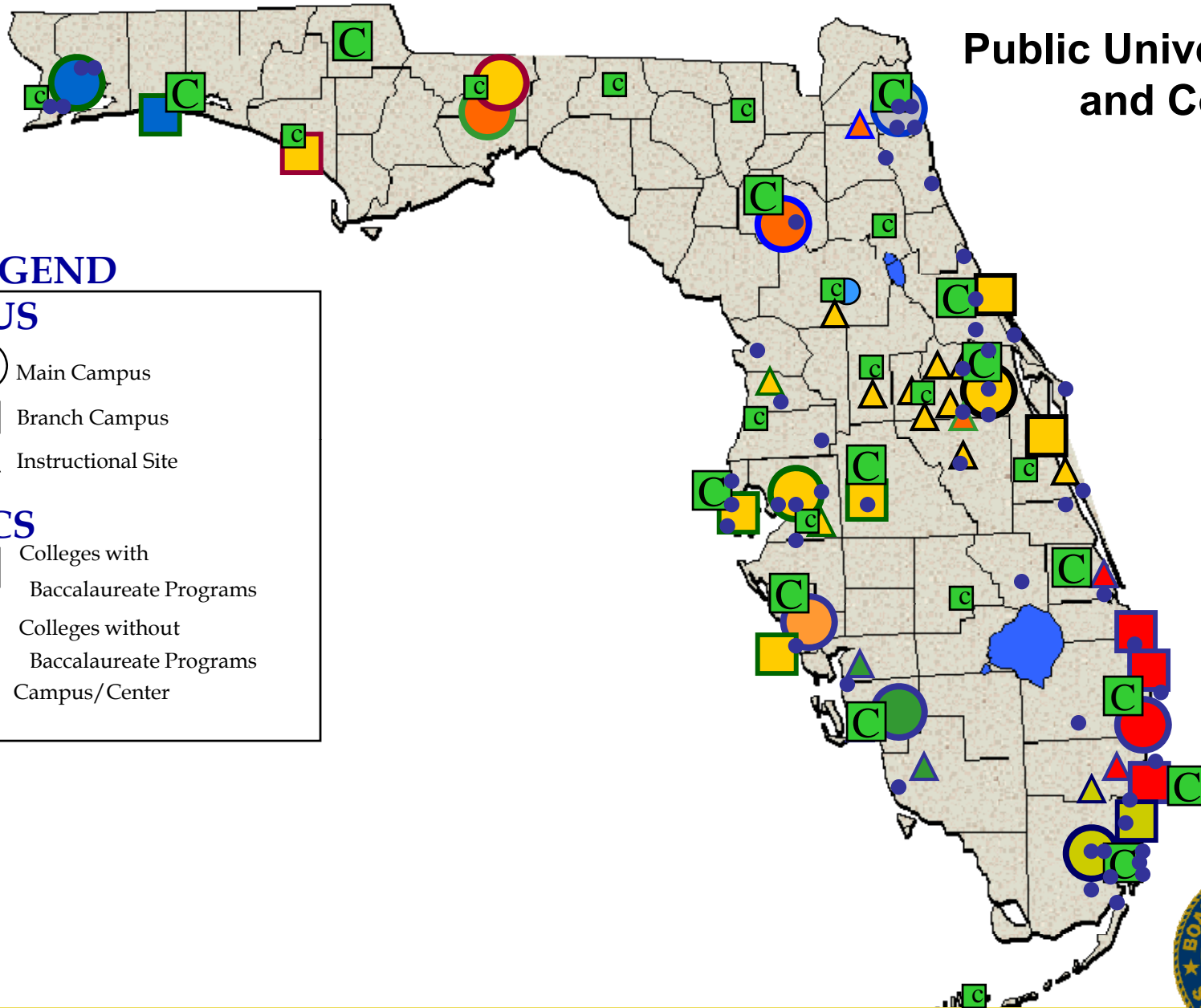
## LEGEND

### SUS

- Main Campus
- Branch Campus
- △ Instructional Site

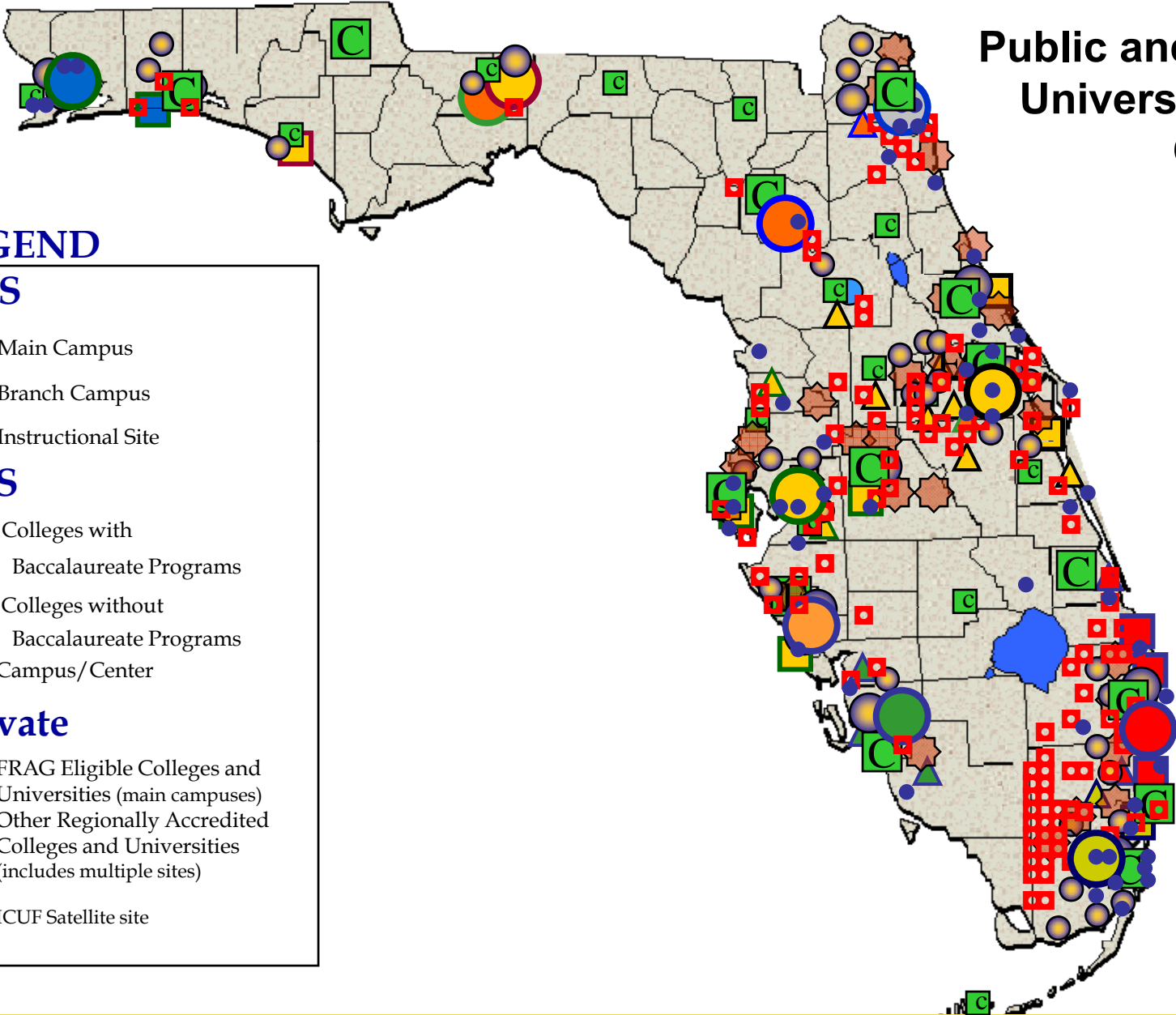
### FCS

- Colleges with Baccalaureate Programs
- Colleges without Baccalaureate Programs
- Campus/Center



Board of Governors, State University System of Florida

# Public and Private Universities and Colleges



## LEGEND

### SUS

- Main Campus
- Branch Campus
- △ Instructional Site

### FCS

- ◻ C Colleges with Baccalaureate Programs
- ◻ c Colleges without Baccalaureate Programs
- Campus/Center

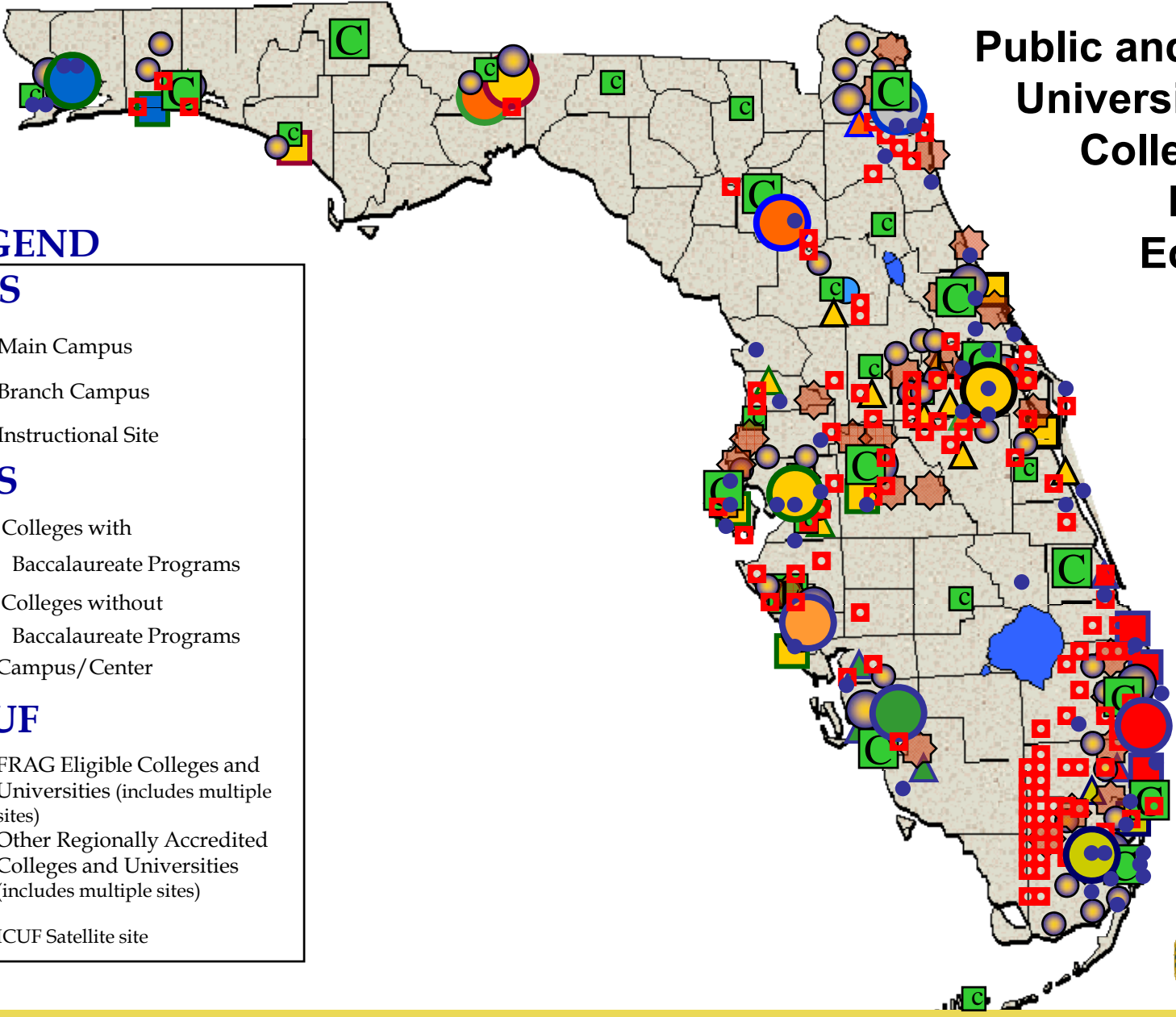
### Private

- ★ FRAG Eligible Colleges and Universities (main campuses)
- Other Regionally Accredited Colleges and Universities (includes multiple sites)
- ◻ ICUF Satellite site





# Public and Private Universities and Colleges and Distance Education



## LEGEND

### SUS

- Main Campus
- Branch Campus
- △ Instructional Site

### FCS

- ◻ C Colleges with Baccalaureate Programs
- ◻ c Colleges without Baccalaureate Programs
- Campus/Center

### ICUF

- ★ FRAG Eligible Colleges and Universities (includes multiple sites)
- Other Regionally Accredited Colleges and Universities (includes multiple sites)
- ◻ ■ ICUF Satellite site



# Statewide Collaboration

**Task #1)** Formulate a strategic vision for the future of higher education in Florida by identifying the state's economic and employment needs using data-driven research.

**Task #2)** Create an inventory of postsecondary certificate and degree programs that are currently offered by both public and private institutions in the state. This should also include the annual degree/certificate production of these programs.

**Task #3)** Revise any policy areas that are critical to improving Florida's educational performance to ensure maximum coordination and adherence to the state's higher education strategic goals.





# State University System of Florida

**[chancellor@flbog.edu](mailto:chancellor@flbog.edu)**



# 2010-11 Florida Demand Occupations List

Florida  
Agency for Workforce Innovation  
Labor Market Statistics Center

August 2009





## Indexing Wage Thresholds Using the Employment Cost Index (ECI)

- The ECI, which is produced by the U.S. Department of Labor, Bureau of Labor Statistics, is a quarterly measure of changes in labor costs.
- WEC uses an ECI that includes wages and salaries, all civilian workers for all occupational groups.
- 2<sup>nd</sup> Quarter 2009 ECI = 110.4, 2<sup>nd</sup> quarter 2008 ECI = 108.4, Annual change = 1.8%.
- Change in ECI for last year's Demand List was 3.2%.



## 2010-11 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's degree. **2009-10 Criteria: same.**
- Has 150 projected annual openings and a growth rate above the average growth rate for all occupations (1.76%) or 360 projected annual openings with any positive growth. **2009-10 Criteria: growth rate 1.65%, openings same.**
- Has a mean wage of at least \$12.66/hour and entry wage of \$10.29/hour to be eligible for an Individual Training Account. **2009-10 Criteria: mean wage \$12.44, entry wage \$10.11.**
- Requires a mean wage of at least \$19.84/hour and entry wage of \$12.66/hour for a High Skill/High Wage designation. **2009-10 Criteria: mean wage \$19.49, entry wage \$12.44.**



## 2010-11 Statewide Demand List

- 110 occupations meet the 2010-11 occupational criteria vs. 116 occupations meeting the 2009-10 criteria.
- 9 occupations were added to the 2010-11 list and 15 occupations on the 2009-10 list were dropped from the list.
- Primary reason for occupations being added to or dropped from the list:  
Changes in projected occupational openings and wage.



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Labor Market Statistics Center**

**Caldwell Building  
MSC G-020  
107 E. Madison Street  
Tallahassee, Florida 32399-4111**

**Phone (850) 245-7211**

**Bill Dobson  
william.dobson@flaawi.com**

**www.labormarketinfo.com  
fred.labormarketinfo.com  
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# 2010-11 Florida Statewide Demand Occupations List

Sorted by Occupational Title

Workforce Estimating Conference Selection Criteria:

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- 4 High Skill/High Wage (HSHW) Occupations: Mean Wage of \$19.84/hour and Entry Wage of \$12.66/hour

SOC Code†	HSHW††	Occupational Title†	Annual	Annual	2009 Hourly Wage		FLDOE	New
			Percent		Openings	Mean		
An <b>asterisk (*)</b> after the Occupation Title means that these occupations are found in declining industries and are not projected to return to their historical peak during the forecast period. They may have an oversupply of trained workers.								
132011	HSHW	Accountants and Auditors	1.99	3,031	29.77	18.65	4	
413011		Advertising Sales Agents	2.53	407	23.39	12.13	3	
274011		Audio and Video Equipment Technicians	2.76	235	17.93	12.16	4	
493021		Automotive Body and Related Repairers*	1.94	310	18.16	12.04	3	Yes
493023		Automotive Service Technicians and Mechanics	2.16	1,843	17.71	11.04	3	
433031		Bookkeeping, Accounting, and Auditing Clerks	1.84	4,019	15.79	11.07	4	
472021		Brickmasons and Blockmasons*	2.84	318	18.32	12.63	3	
274012		Broadcast Technicians	2.04	157	19.76	11.60	4	
493031	HSHW	Bus and Truck Mechanics and Diesel Engine Specialists*	1.55	424	20.05	14.91	3	
131199	HSHW	Business Operations Specialists, All Other	2.88	2,670	29.50	16.89	4	
517011		Cabinetmakers and Bench Carpenters*	2.02	199	15.79	10.84	3	Yes
292031		Cardiovascular Technologists and Technicians	2.57	193	19.58	11.53	3	
472031		Carpenters*	2.38	2,319	17.37	11.89	3	
472051		Cement Masons and Concrete Finishers*	3.00	576	15.67	11.35	3	
351011	HSHW	Chefs and Head Cooks	1.87	206	23.07	14.78	3	Yes
131031	HSHW	Claims Adjusters, Examiners, and Investigators*	1.53	723	26.57	17.12	3	
272022	HSHW	Coaches and Scouts	1.62	420	25.61	13.55	4	
131072	HSHW	Compensation, Benefits, and Job Analysis Specialists*	2.12	166	24.67	16.60	4	
131041	HSHW	Compliance Officers, Exc. Safety, Agri, Constr & Transp.	0.91	371	22.96	15.25	3	
151031	HSHW	Computer Software Engineers, Applications	4.12	1,047	38.94	24.20	4	
151041	HSHW	Computer Support Specialists	1.44	1,369	19.85	13.42	3	
151051	HSHW	Computer Systems Analysts*	2.87	1,207	33.85	22.05	4	
474011	HSHW	Construction and Building Inspectors	2.15	295	25.55	18.15	3	
119021	HSHW	Construction Managers*	2.57	1,196	48.09	27.24	4	
333012	HSHW	Correctional Officers and Jailers	1.71	1,455	20.83	15.82	3	
131051	HSHW	Cost Estimators*	3.31	591	27.23	16.50	4	
151061	HSHW	Database Administrators	2.80	229	32.60	21.13	4	
319091		Dental Assistants	3.34	782	16.55	12.76	3	
292021	HSHW	Dental Hygienists	3.49	495	28.97	22.37	4	
333021	HSHW	Detectives and Criminal Investigators	2.13	314	30.48	20.91	3	
472081		Drywall and Ceiling Tile Installers*	2.46	290	16.13	11.94	3	
499051	HSHW	Electrical Power-Line Installers and Repairers	2.06	246	24.09	15.69	3	Yes
472111		Electricians*	2.45	1,674	19.27	14.01	3	
492094	HSHW	Electronics Repairers, Commercial and Industrial Equip.	2.17	271	21.32	13.99	3	
131071	HSHW	Employment, Recruitment, and Placement Specialists*	2.43	595	21.23	14.14	4	
436011		Executive Secretaries and Administrative Assistants	1.81	3,322	18.99	13.40	3	
132051	HSHW	Financial Analysts	2.57	253	33.31	20.74	4	
113031	HSHW	Financial Managers	1.52	555	53.12	30.63	4	
332011	HSHW	Fire Fighters	1.36	1,048	22.37	14.35	3	
471011	HSHW	First-Line Superv. of Construction and Extraction Workers*	2.27	1,886	28.78	19.02	4	
351012		First-Line Superv. of Food Preparation & Serving Workers	2.23	1,225	16.47	11.36	3	

# 2010-11 Florida Statewide Demand Occupations List

Sorted by Occupational Title

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SOC Code†	HSHW††	Occupational Title†	Annual	Annual	2009 Hourly Wage		FLDOE	New
			Percent		Openings	Mean		
An <b>asterisk (*)</b> after the Occupation Title means that these occupations are found in declining industries and are not projected to return to their historical peak during the forecast period. They may have an oversupply of trained workers.								
371011		First-Line Superv. of Housekeeping & Janitorial Workers	2.12	399	17.21	11.44	3	
371012	HSHW	First-Line Superv. of Landscaping and Groundskeeping	2.18	377	21.31	14.33	3	
531031	HSHW	First-Line Superv. of Material-Moving Vehicle Operators*	1.69	401	26.80	17.83	3	
491011	HSHW	First-Line Superv. of Mechanics, Installers, and Repairers*	1.65	847	28.44	19.30	3	
431011	HSHW	First-Line Superv. of Office and Admin. Support Workers	1.23	2,432	22.64	14.58	4	
511011	HSHW	First-Line Superv. of Production and Operating Workers*	0.84	475	26.26	16.39	3	
411012	HSHW	First-Line Supervisors of Non-Retail Sales Workers*	0.86	724	37.68	21.10	4	
391021	HSHW	First-Line Supervisors of Personal Service Workers*	1.72	525	20.80	12.73	3	
411011	HSHW	First-Line Supervisors of Retail Sales Workers	1.28	3,240	20.85	12.82	3	
119051	HSHW	Food Service Managers	1.64	687	26.58	16.96	4	
111021	HSHW	General and Operations Managers*	0.82	1,549	48.89	24.97	4	
472121		Glaziers*	2.64	159	16.67	11.89	3	Yes
271024	HSHW	Graphic Designers	1.54	670	19.93	13.43	4	
292099		Health Technologists and Technicians, All Other	2.26	155	18.46	12.81	3	Yes
319099		Healthcare Support Workers, All Other	2.17	266	13.97	10.35	3	Yes
499021		Heating, A.C., and Refrigeration Mechanics and Installers	2.55	977	18.61	12.97	3	
434161		Human Resources Assistants, Exc. Payroll	2.29	317	17.05	12.72	3	
499041	HSHW	Industrial Machinery Mechanics	2.34	426	21.45	15.20	3	
537051		Industrial Truck and Tractor Operators*	0.70	642	13.70	10.31	3	Yes
259031	HSHW	Instructional Coordinators	2.47	261	25.89	15.71	4	
413021	HSHW	Insurance Sales Agents	1.60	1,890	28.07	14.06	3	
271025	HSHW	Interior Designers*	2.83	283	23.34	13.54	4	
436012		Legal Secretaries	1.97	649	19.43	13.67	3	
292061		Licensed Practical and Licensed Vocational Nurses	2.63	2,369	19.44	16.13	3	
132072	HSHW	Loan Officers*	1.61	691	28.40	16.29	4	
499042		Maintenance and Repair Workers, General	1.61	1,423	15.44	10.36	3	Yes
112021	HSHW	Marketing Managers*	1.92	234	53.02	27.77	4	
292012		Medical and Clinical Laboratory Technicians	2.02	244	17.75	12.16	4	
119111	HSHW	Medical and Health Services Managers	2.42	367	48.58	30.25	4	
319092		Medical Assistants	3.77	1,763	13.75	10.73	3	
292071		Medical Records and Health Information Technicians	2.28	490	15.63	10.30	4	
436013		Medical Secretaries	2.08	807	13.78	10.72	3	
319094		Medical Transcriptionists	2.35	194	15.38	12.30	3	
493042		Mobile Heavy Equipment Mechanics, Except Engines*	2.80	214	19.66	13.88	3	
151071	HSHW	Network and Computer Systems Administrators	2.76	677	33.69	21.62	4	
151081	HSHW	Network Systems and Data Communications Analysts	4.88	1,519	32.76	20.11	3	
472073		Operating Engineers/Construction Equipment Operators*	2.30	720	16.75	12.62	3	
232011	HSHW	Paralegals and Legal Assistants	3.00	868	22.29	15.42	3	
132052	HSHW	Personal Financial Advisors	2.09	638	32.18	16.21	4	
372021		Pest Control Workers	1.93	432	14.49	10.29	3	
312021	HSHW	Physical Therapist Assistants	3.67	180	24.70	17.56	4	

# 2010-11 Florida Statewide Demand Occupations List

Sorted by Occupational Title

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SOC Code†	HSHW††	Occupational Title†	Annual	Annual	2009 Hourly Wage		FLDOE	New
			Percent		Openings	Mean		
An <b>asterisk (*)</b> after the Occupation Title means that these occupations are found in declining industries and are not projected to return to their historical peak during the forecast period. They may have an oversupply of trained workers.								
472151		Pipelayers*	2.11	190	15.58	12.15	3	
472161		Plasterers and Stucco Masons*	2.77	206	18.11	12.87	3	
472152		Plumbers, Pipefitters, and Steamfitters*	2.60	1,041	18.45	13.01	3	
333051	HSHW	Police and Sheriff's Patrol Officers	1.34	1,431	25.21	17.72	3	
119141	HSHW	Property, Real Estate & Community Association Managers	0.89	473	29.63	16.14	4	
273031	HSHW	Public Relations Specialists	1.91	441	27.17	16.62	4	
131023	HSHW	Purchasing Agents, Except Farm Products & Trade*	0.93	423	25.38	16.48	4	
292034	HSHW	Radiologic Technologists and Technicians	1.85	431	25.10	18.91	3	
419021	HSHW	Real Estate Brokers	1.10	438	34.44	14.31	3	
419022		Real Estate Sales Agents*	0.72	1,181	20.26	10.56	3	
291111	HSHW	Registered Nurses	2.80	6,528	30.08	21.90	4	
291126	HSHW	Respiratory Therapists	2.54	264	24.02	19.18	4	
472181		Roofers*	3.31	696	15.81	11.72	3	
112022	HSHW	Sales Managers	1.65	596	60.96	31.40	4	
414011	HSHW	Sales Representatives, Wholesale & Mfg, Tech. & Sci. Products	1.86	1,185	34.59	17.40	3	
414012	HSHW	Sales Representatives, Wholesale and Manufacturing, Other*	1.61	3,399	27.24	13.21	3	
413031	HSHW	Securities and Financial Services Sales Agents*	0.47	556	37.79	16.41	4	
492098		Security and Fire Alarm Systems Installers	2.97	268	17.16	12.84	3	
253021		Self-Enrichment Education Teachers*	2.21	434	18.60	10.42	3	
472211		Sheet Metal Workers*	2.50	307	17.46	12.37	3	
211011		Substance Abuse and Behavioral Disorder Counselors	2.78	172	19.62	12.23	3	
292055		Surgical Technologists	2.72	320	18.13	14.11	3	
173031		Surveying and Mapping Technicians	2.28	382	17.09	11.54	3	
171022	HSHW	Surveyors*	2.50	167	28.74	16.57	4	
259041		Teacher Assistants	1.74	1,495	13.94	10.54	3	
533032		Truck Drivers, Heavy and Tractor-Trailer	1.85	2,745	17.25	12.20	3	
251194	HSHW	Vocational Education Teachers, Postsecondary	2.96	371	24.10	14.48	3	
514121		Welders, Cutters, Solderers, and Brazers*	1.96	512	16.78	12.03	3	

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

††HSHW = High Skill/High Wage.