



Alabama
Department of Labor

Labor Market Information
James Henry, Division Director

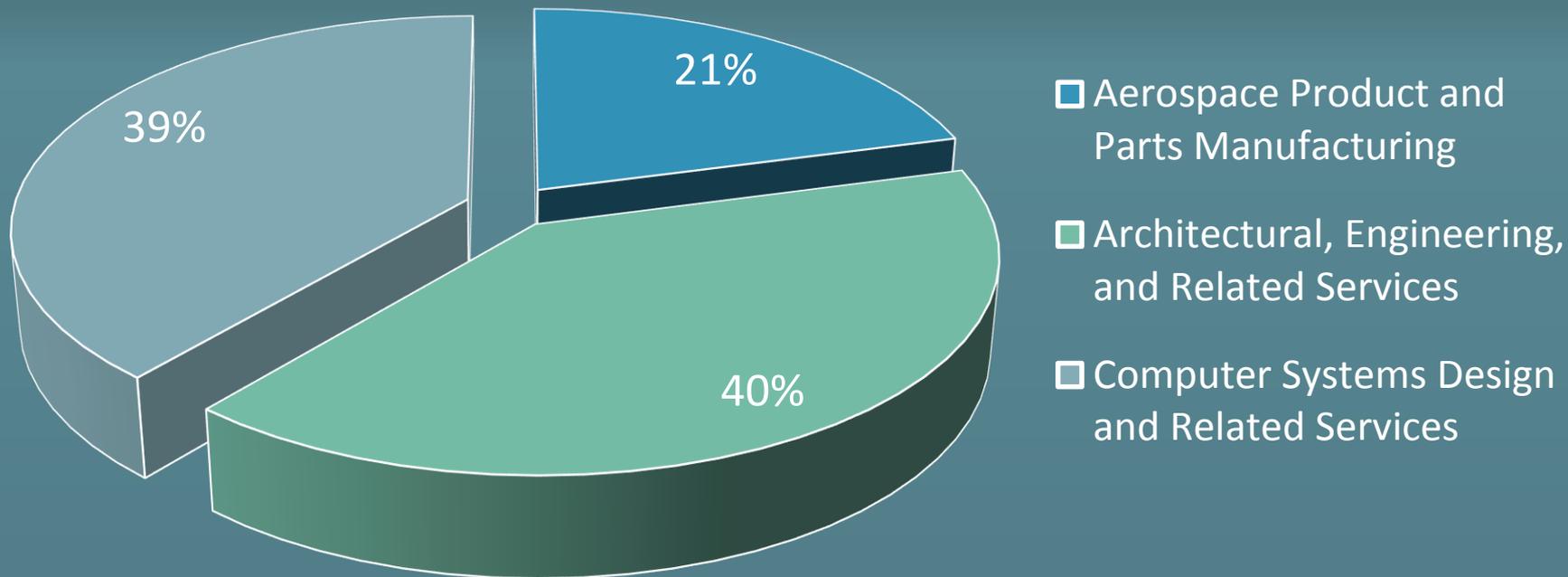


Accelerate Alabama Aerospace

Alabama Department of Labor
Labor Market Information Division



Alabama Aerospace Employment by Industry Sectors





Alabama Aerospace Industry Overview

Sector	# of Companies	# Employed
Aerospace Product and Parts Manufacturing	52	12,295
Architectural, Engineering, and Related Services	2,143	23,805
Computer Systems Design and Related Services	2,416	22,945



Aerospace Product and Parts Manufacturing

3364 Aerospace Product and Parts Manufacturing: This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing complete aircraft, missiles, or space vehicles; (2) manufacturing aerospace engines, propulsion units, auxiliary equipment or parts; (3) developing and making prototypes of aerospace products; (4) aircraft conversion (i.e., major modifications to systems); and (5) complete aircraft or propulsion systems overhaul and rebuilding (i.e., periodic restoration of aircraft to original design specifications).

52 companies; 12,295 employed;
21% of Aerospace Industry Employment

# of Employees	% of Companies
1-49	56%
50-99	12%
100-249	12%
250+	20%

Source: Quarterly Census of Employment and Wages, 2014 annual average. *Note: Numbers may not equal 100% due to rounding.*

Top 5 Job Categories:

- 16% Aircraft Mechanics and Service Technicians
- 15% Aircraft Structure, Surfaces, Rigging, and Systems Assemblers
- 4% Team Assemblers
- 3% Purchasing Agents, Except Wholesale, Retail, and Farm Products
- 3% Electrical and Electronic Equipment Assemblers

Source: 2015 Release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics. Wage data aged using latest Employment Cost Index (ECI) factors.



Aerospace Product and Parts Manufacturing Firm Age Workforce Indicators

Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	188	\$3,513	\$3,200	*
2 – 3 Years	113	\$4,712	*	9.9%
4 – 5 Years	1,019	\$7,384	\$5,590	1.9%
6 – 10 Years	*	\$4,957	*	*
11+ Years	11,644	\$7,330	\$5,773	3.6%
All Firm Ages	12,979	\$7,239	\$5,470	3.7%

Source: Local Employment Household Dynamics Partnership between Alabama Department of Labor, Labor Market Information Division, and the U.S. Census Bureau, LED Extraction Tool; 2014 annual average data shown. *Data not available or marked confidential. Note: Data may not add due to rounding.



Architectural, Engineering, and Related Services

5413 Architectural Services: This industry comprises establishments primarily engaged in planning and designing residential, institutional, leisure, commercial, and industrial buildings and structures by applying knowledge of design, construction procedures, zoning regulations, building codes, and building materials. **Engineering Services:** This industry comprises establishments primarily engaged in applying physical laws and principles of engineering in the design, development, and utilization of machines, materials, instruments, structures, processes, and systems. The assignments undertaken by these establishments may involve any of the following activities: provision of advice, preparation of feasibility studies, preparation of preliminary and final plans and designs, provision of technical services during the construction or installation phase, inspection and evaluation of engineering projects, and related services.

2,143 companies; 23,805 employed;
40% of Aerospace Industry Employment

# of Employees	% of Companies
1-49	95%
50-99	3%
100-249	1%
250+	1%

Source: Quarterly Census of Employment and Wages, 2014 annual average. *Note: Numbers may not equal 100% due to rounding.*

Top 5 Job Categories:

- 6% Aerospace Engineers
- 6% Civil Engineers
- 5% Secretaries and Administrative Assistants, Except Legal, Medical, and Executive
- 5% Electrical Engineers
- 4% Mechanical Engineers

Source: 2015 Release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics. Wage data aged using latest Employment Cost Index (ECI) factors.



Architectural, Engineering, and Related Services Firm Age Workforce Indicators

Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	324	\$5,348	\$4,973	14.5%
2 – 3 Years	580	\$6,176	\$5,962	10.4%
4 – 5 Years	827	\$7,264	\$5,376	11.0%
6 – 10 Years	2,549	\$6,370	\$5,328	6.8%
11+ Years	17,679	\$6,706	\$5,680	5.3%
All Firm Ages	21,959	\$6,656	\$5,597	6.0%

Source: Local Employment Household Dynamics Partnership between Alabama Department of Labor, Labor Market Information Division, and the U.S. Census Bureau, LED Extraction Tool; 2014 annual average data shown. **Data not available or marked confidential. Note: Data may not add due to rounding.*



Computer Systems Design and Related Services

5415 Computer Systems Design and Related Services: This industry comprises establishments primarily engaged in providing expertise in the field of information technologies through one or more of the following activities: (1) writing, modifying, testing, and supporting software to meet the needs of a particular customer; (2) planning and designing computer systems that integrate computer hardware, software, and communication technologies; (3) on-site management and operation of clients' computer systems and/or data processing facilities; and (4) other professional and technical computer-related advice and services.

2,416 companies; 22,945 employed;
39% of Aerospace Industry Employment

# of Employees	% of Companies
1-49	96%
50-99	2%
100-249	1%
250+	1%

Source: Quarterly Census of Employment and Wages, 2014 annual average. *Note: Numbers may not equal 100% due to rounding.*

Top 5 Job Categories:

- 10% Computer User Support Specialists
- 10% Computer Programmers
- 8% Software Developers, Applications
- 7% Computer Systems Analysts
- 5% Computer and Information Systems Managers

Source: 2015 Release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics. Wage data aged using latest Employment Cost Index (ECI) factors.



Computer Systems Design and Related Services

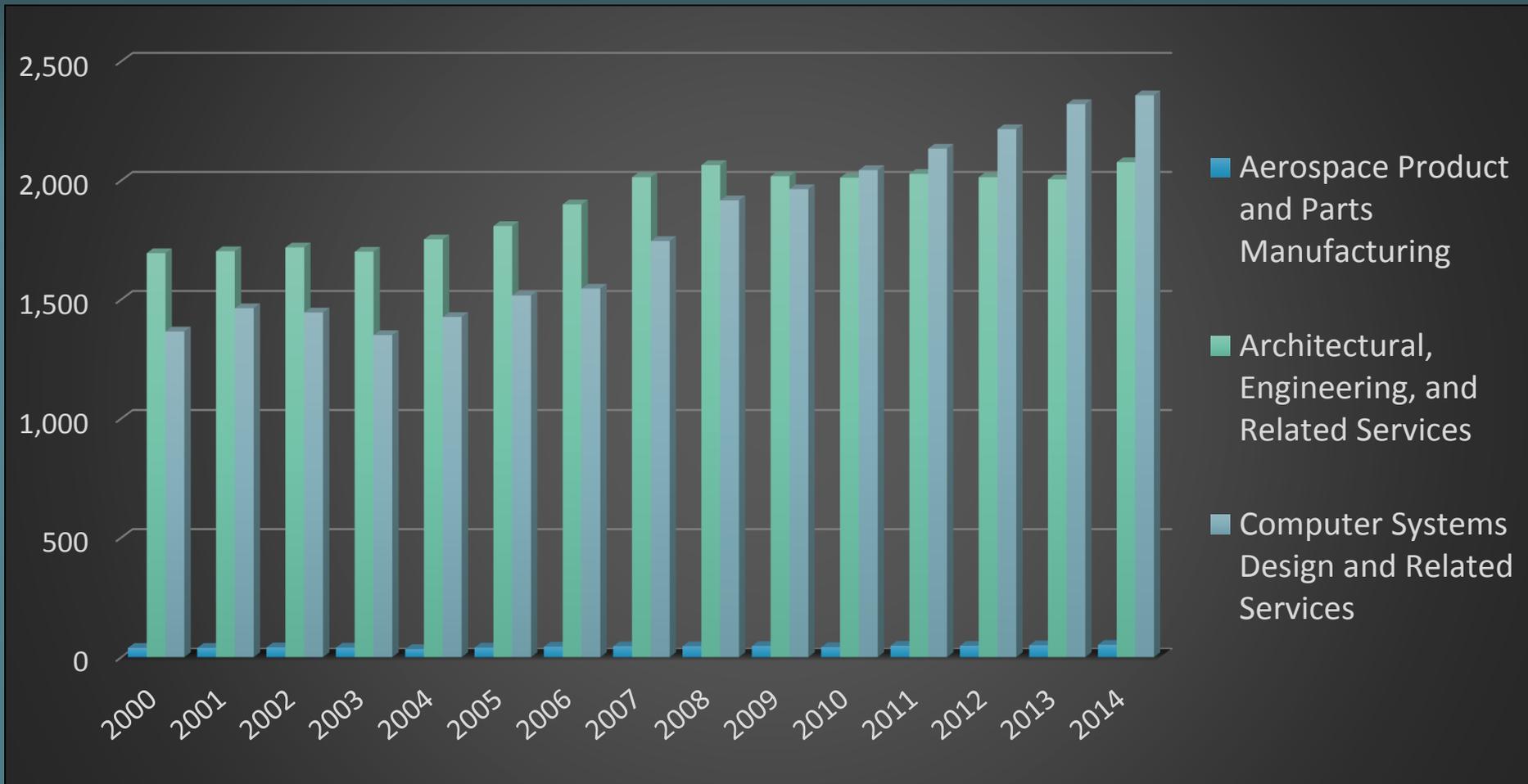
Firm Age Workforce Indicators

Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	310	\$5,158	\$4,607	15.7%
2 – 3 Years	573	\$6,005	\$5,020	7.4%
4 – 5 Years	587	\$6,870	\$5,507	12.4%
6 – 10 Years	1,992	\$6,089	\$5,211	8.5%
11+ Years	18,008	\$6,768	\$5,275	5.0%
All Firm Ages	21,470	\$6,665	\$5,236	5.8%

Source: Local Employment Household Dynamics Partnership between Alabama Department of Labor, Labor Market Information Division, and the U.S. Census Bureau, LED Extraction Tool; 2014 annual average data shown. **Data not available or marked confidential. Note: Data may not add due to rounding.*

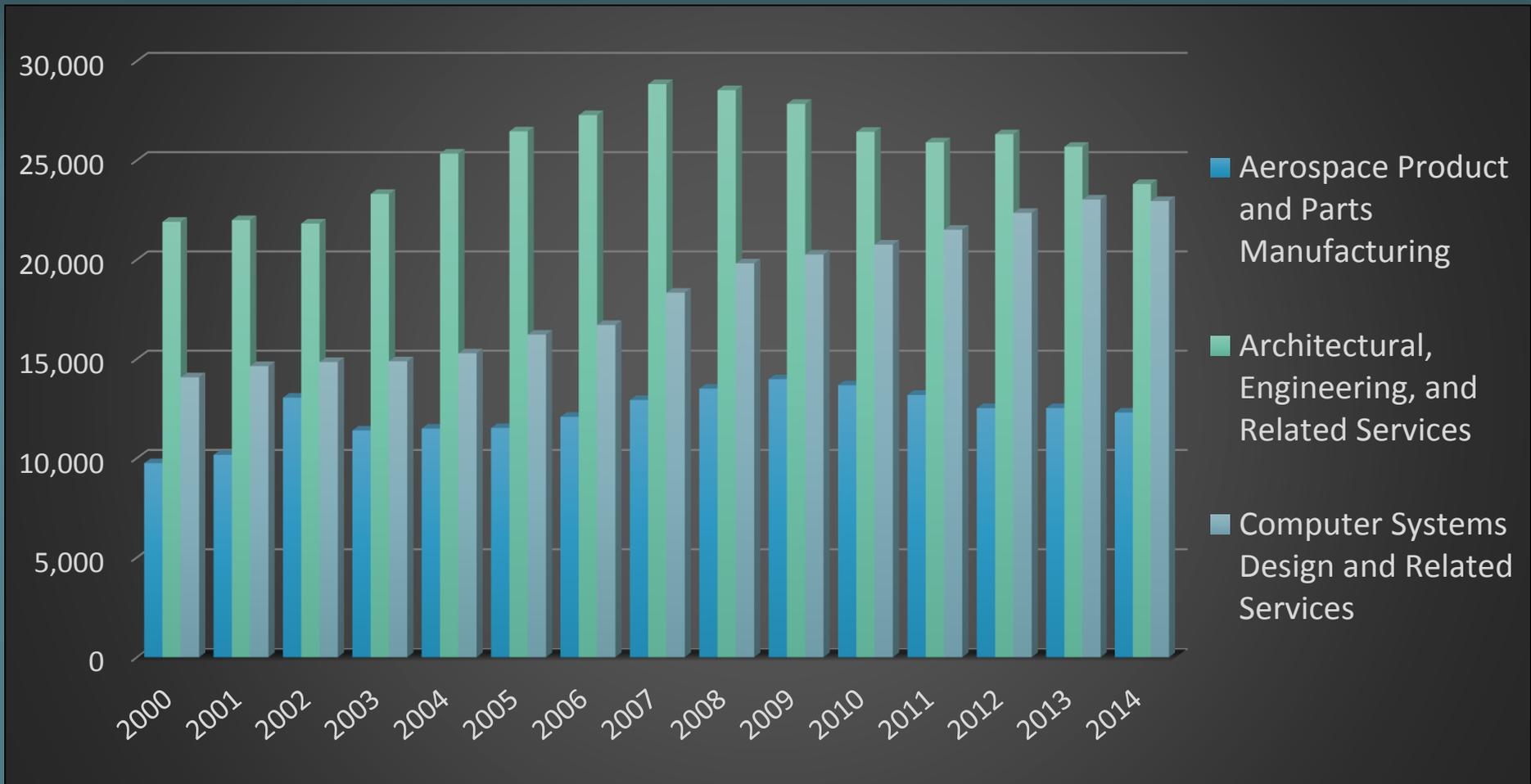


Development of Alabama's Aerospace Industry by Company





Development of Alabama's Aerospace Industry by Employment





Top Occupations for Aerospace by Rounded Employment

Occupations	# of Jobs	% of Total
Computer Programmers	2,780	5%
Computer User Support Specialists	2,560	4%
Computer Systems Analysts	2,310	4%
Software Developers, Applications	2,180	4%
Aircraft Mechanics and Service Technicians	2,010	3%
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	1,960	3%
Software Developers, Systems Software	1,920	3%
Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	1,790	3%
General and Operations Managers	1,720	3%
Remaining Occupations	39,820	68%



Wage Information

Top 10 by Rounded Occupational Employment

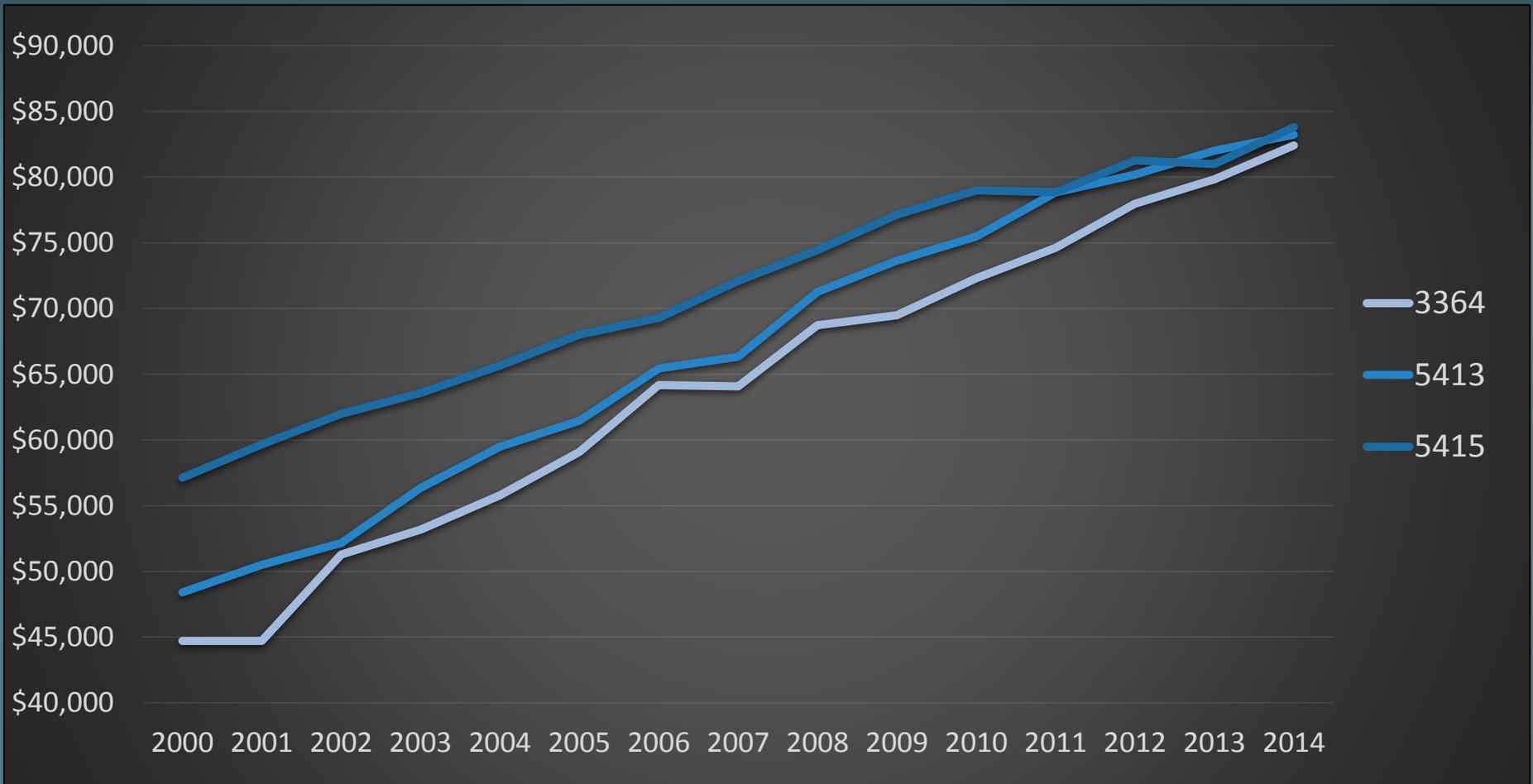
Occupation	Rounded Emp.	Mean Hourly	Mean Annual	Entry Hourly	Entry Annual	Experience Hourly	Experience Annual
Computer Programmers	2,780	\$40.77	\$84,798	\$26.73	\$55,584	\$47.80	\$99,415
Computer User Support Specialists	2,560	\$23.05	\$47,929	\$14.53	\$30,213	\$27.31	\$56,797
Computer Systems Analysts	2,310	\$37.70	\$78,427	\$26.74	\$55,614	\$43.19	\$89,833
Software Developers, Applications	2,180	\$46.32	\$96,326	\$29.91	\$62,209	\$54.51	\$113,390
Aircraft Mechanics and Service Technicians	2,010	\$31.28	\$65,069	\$22.74	\$47,291	\$35.55	\$73,958
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	1,960	\$16.71	\$34,741	\$12.15	\$25,281	\$18.97	\$39,472
Software Developers, Systems Software	1,920	\$48.90	\$101,698	\$32.12	\$66,806	\$57.28	\$119,139
Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	1,790	\$24.40	\$50,753	\$16.52	\$34,373	\$28.34	\$58,937
General and Operations Managers	1,720	\$60.32	\$125,465	\$31.74	\$66,038	\$74.61	\$155,179
Aerospace Engineers	1,660	\$53.89	\$112,105	\$36.79	\$76,510	\$62.45	\$129,892

Source: 2015 release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics; wage data aged using the most current Employment Cost Index (ECI) factors. Annual wage information rounded to the nearest whole dollar. *Note: Data reflects wages across all industries, not specifically to respective industry cluster.*



Wage Information

Total Wages by NAICS Code 2000-2014



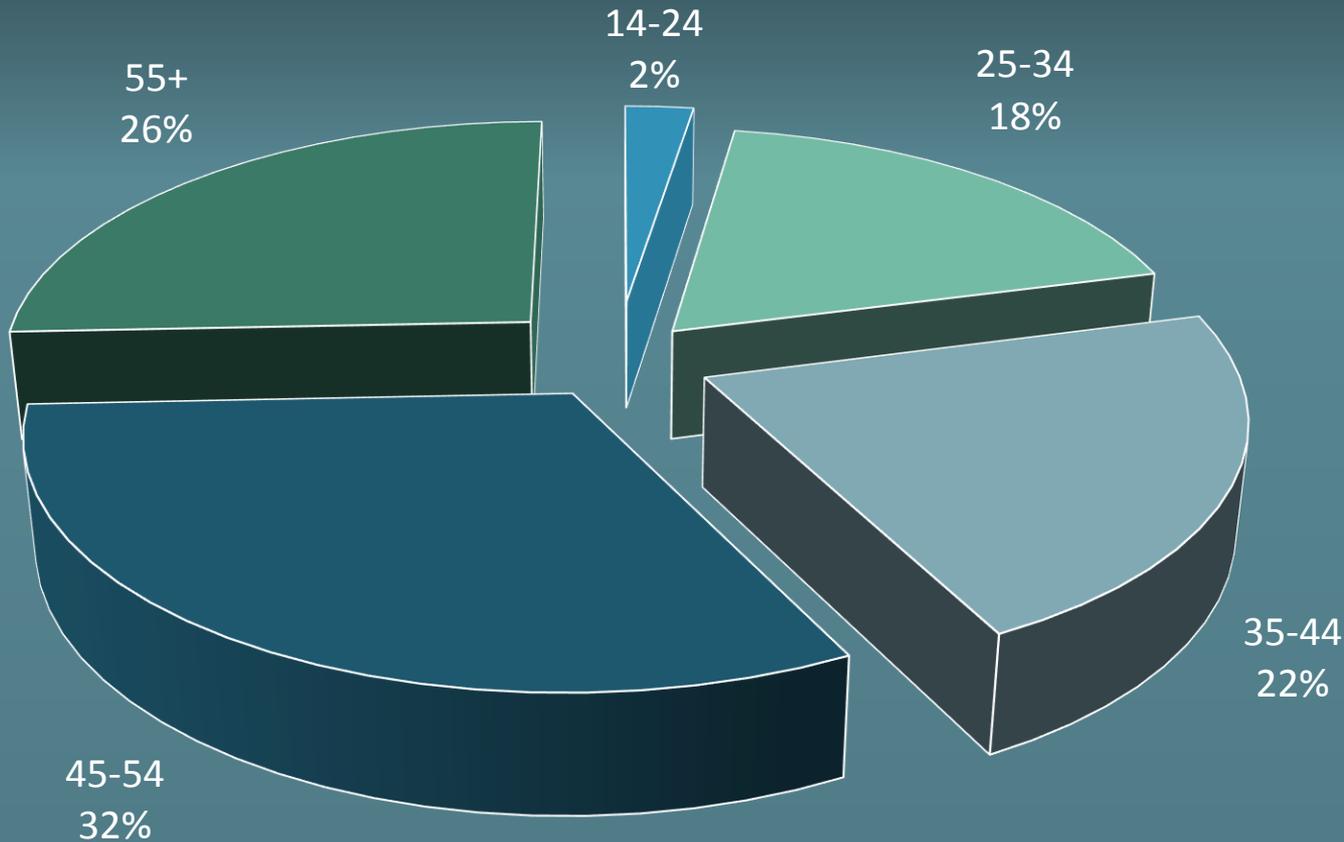


2014 Quarterly Workforce Indicators

NAICS	Industry	Average Turnover Rate	Average Job Gains	Average Net Job Flows	Average Monthly Earnings	Average Monthly Earnings – New Hires
3364	Aerospace Product and Parts Manufacturing	3.6%	205	-10	\$7,239	\$5,469
5413	Architectural, Engineering, and Related Services	6.0%	755	108	\$6,651	\$5,589
5415	Computer Systems Design and Related Services	5.8%	630	-46	\$6,662	\$5,232

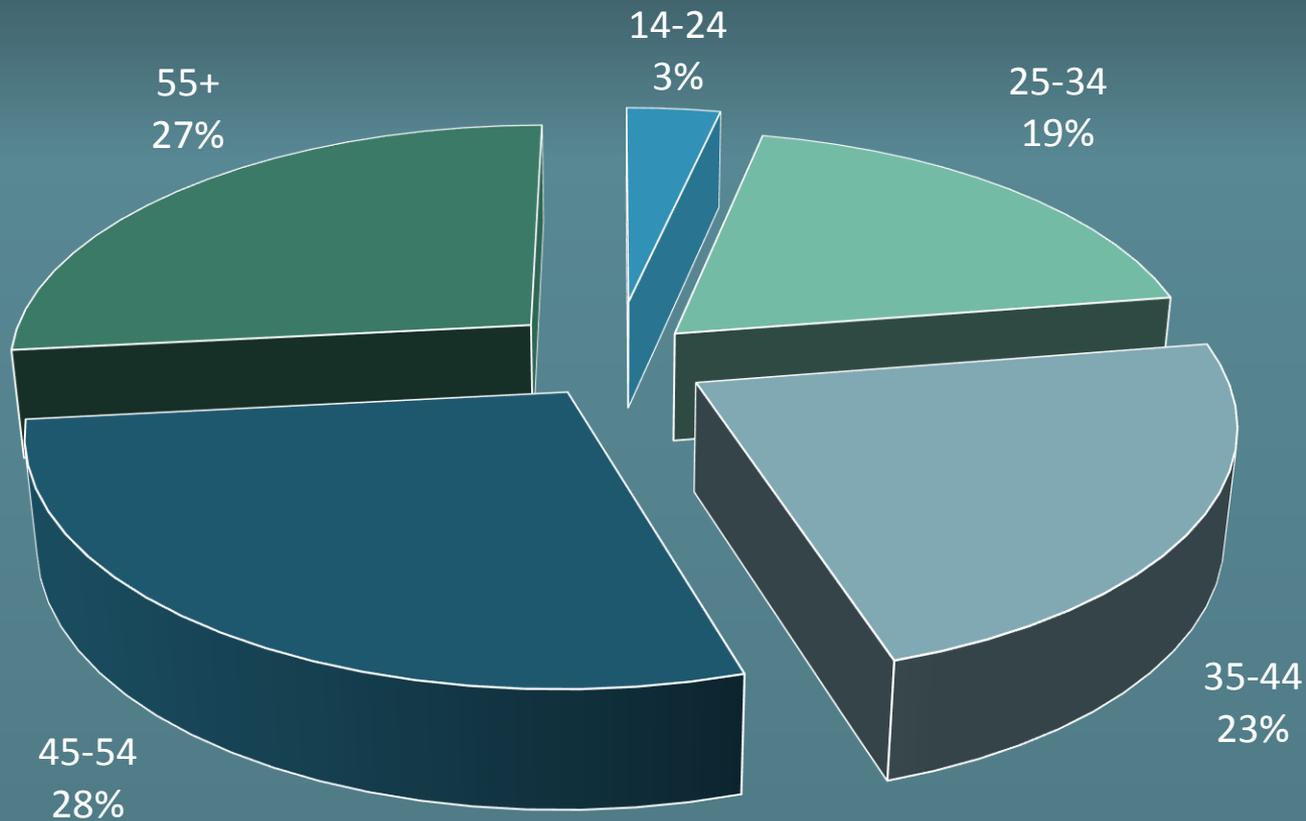


3364 Aerospace Product and Parts Manufacturing 2014 Average Annual Employment by Age Group



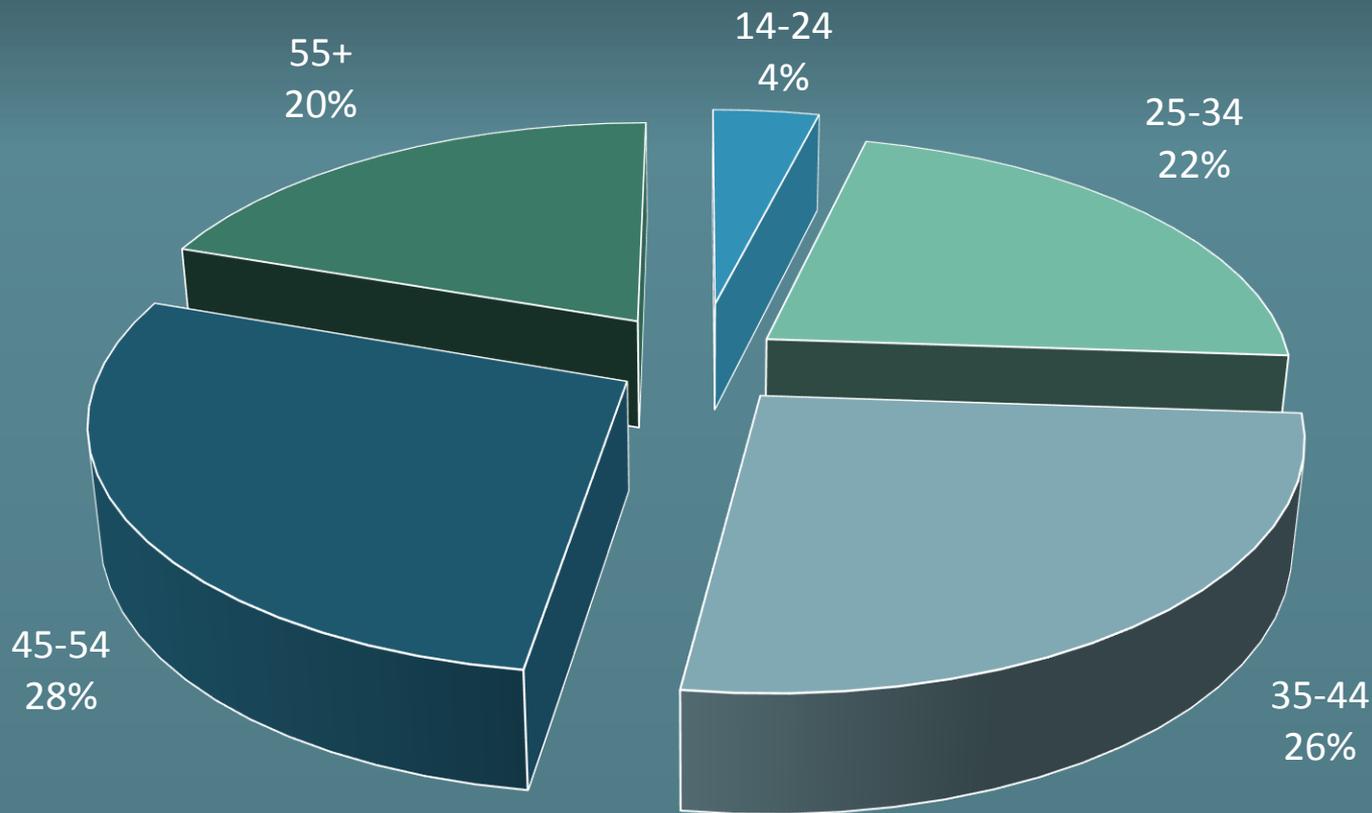


5413 Architectural, Engineering, and Related Services 2014 Average Annual Employment by Age Group





5415 Computer Systems Design and Related Services 2014 Average Annual Employment by Age Group





Projections Information

2014 – 2024 Industry Projections by NAICS Code

NAICS	Industry	2014	2024	Net Change	Percent Change	Average Annual Growth	U.S. Average Annual Growth	Location Quotient
3364	Aerospace Product and Parts Manufacturing	12,300	16,740	4,440	36.10	3.13	-0.51	1.81
5413	Architectural, Engineering, and Related Services	23,800	25,960	2,160	9.08	0.87	0.77	1.24
5415	Computer Systems Design and Related Services	22,950	28,700	5,750	25.05	2.26	2.09	0.93



Major Aerospace Regions

Aerospace Industry Maps:

Statewide

- Workforce Development Region 1
- Workforce Development Region 2
- Workforce Development Region 3
- Workforce Development Region 4
- Workforce Development Region 5
- Workforce Development Region 6
- Workforce Development Region 7
- Workforce Development Region 8
- Workforce Development Region 9
- Workforce Development Region 10