

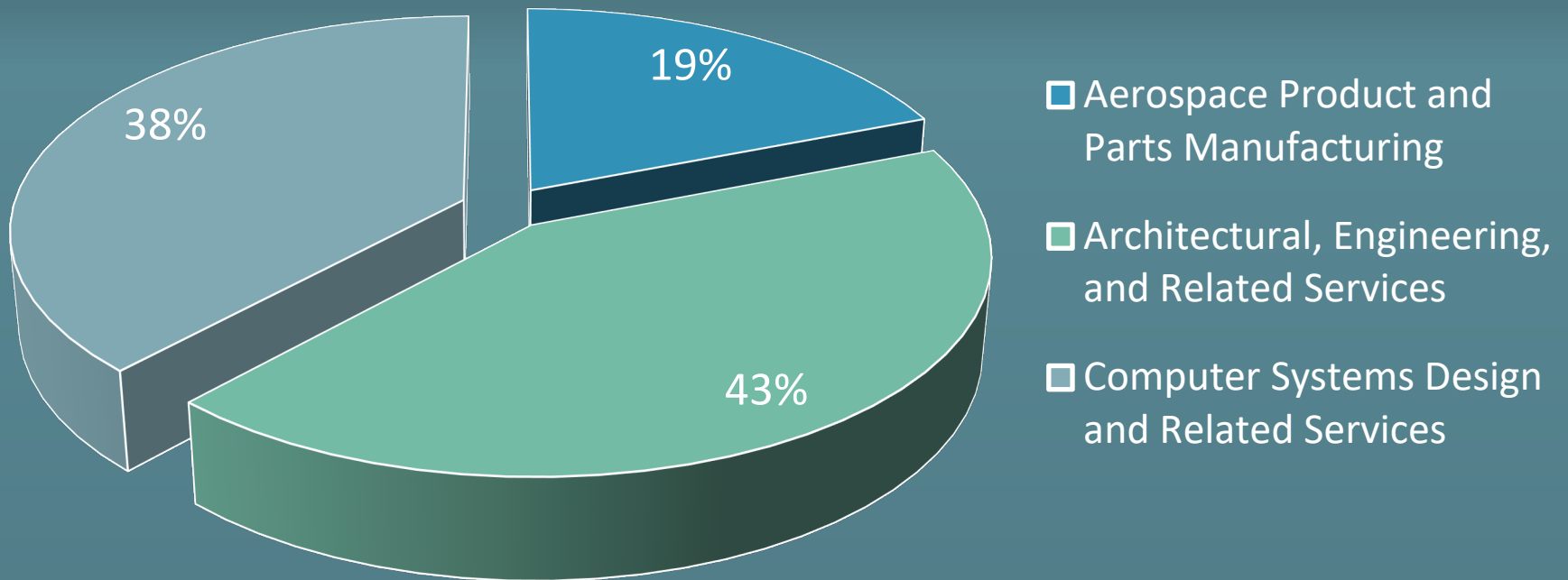


Alabama
Department
of Labor

Accelerate Alabama Aerospace/Aviation

Alabama Department of Labor
Labor Market Information Division

Alabama Aerospace/Aviation Employment by Industry Sectors



Alabama Aerospace/Aviation Industry Overview

Sector	# of Companies	# Employed
Aerospace Product and Parts Manufacturing	94	12,978
Architectural, Engineering, and Related Services	2,516	29,089
Computer Systems Design and Related Services	3,076	25,923

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/Aviation engines, propulsion units, auxiliary equipment or parts; (3) developing and making prototypes of Aerospace/Aviation 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).

94 companies; 12,978 employed;
19% of Aerospace/Aviation
Industry Employment

# of Employees	% of Companies
1-49	77%
50-99	5%
100-249	6%
250+	12%

Source: Quarterly Census of Employment and Wages, 2021 annual average. *Note: Numbers may not equal 100% due to rounding.*

Top 5 Job Categories:

- 12% Aircraft Mechanics and Service Technicians
- 7% Industrial Engineers
- 6% Aircraft Structure, Surfaces, Rigging, and Systems Assemblers
- 5% Software Developers and Software Quality Assurance Analysts and Testers
- 5% Computer Numerically Controlled Tool Operators

Source: 2021 Release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics.

Aerospace Product and Parts Manufacturing

Firm Age Workforce Indicators

Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	31	\$4,195	\$4,033	17.6%
2 – 3 Years	*	\$5,064	*	*
4 – 5 Years	243	\$8,977	*	10.3%
6 – 10 Years	268	\$5,606	\$4,413	8.5%
11+ Years	11,812	\$7,377	\$7,304	5.8%
All Firm Ages	12,359	\$7,358	\$7,301	5.9%

Source: Local Employment Household Dynamics Partnership between Alabama Department of Labor, Labor Market Information Division, and the U.S. Census Bureau, LED Extraction Tool; 2021 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.

2,516 companies; 29,089 employed;
43% of Aerospace/Aviation
Industry Employment

# of Employees	% of Companies
1-49	95%
50-99	2%
100-249	2%
250+	1%

Source: Quarterly Census of Employment and Wages, 2021 annual average. *Note: Numbers may not equal 100% due to rounding.*

Top 5 Job Categories:

- 8% Civil Engineers
- 5% Electrical Engineers
- 5% Aerospace Engineers
- 4% Secretaries and Administrative Assistants, Except Legal, Medical, and Executive
- 4% Electrical and Electronics Engineering Technicians

Source: 2021 Release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics.

Architectural, Engineering, and Related Services

Firm Age Workforce Indicators

Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	390	\$6,477	\$4,810	12.5%
2 – 3 Years	496	\$6,849	\$5,553	8.5%
4 – 5 Years	439	\$7,788	\$6,395	9.8%
6 – 10 Years	1,964	\$8,298	\$6,730	7.2%
11+ Years	23,554	\$8,651	\$7,364	6.0%
All Firm Ages	26,843	\$8,545	\$7,125	6.3%

Source: Local Employment Household Dynamics Partnership between Alabama Department of Labor, Labor Market Information Division, and the U.S. Census Bureau, LED Extraction Tool; 2021 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.

3,076 companies; 25,923 employed;
33% of Aerospace/Aviation
Industry Employment

# of Employees	% of Companies
1-49	97%
50-99	1%
100-249	1%
250+	1%

Source: Quarterly Census of Employment and Wages, 2021 annual average. *Note: Numbers may not equal 100% due to rounding.*

Top 5 Job Categories:

- 25% Software Developers and Software Quality Assurance Analysts and Testers
- 6% Computer Programmers
- 6% Computer User Support Specialists
- 5% Computer and Information Systems Managers
- 4% Customer Service Representatives

Source: 2021 Release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics.

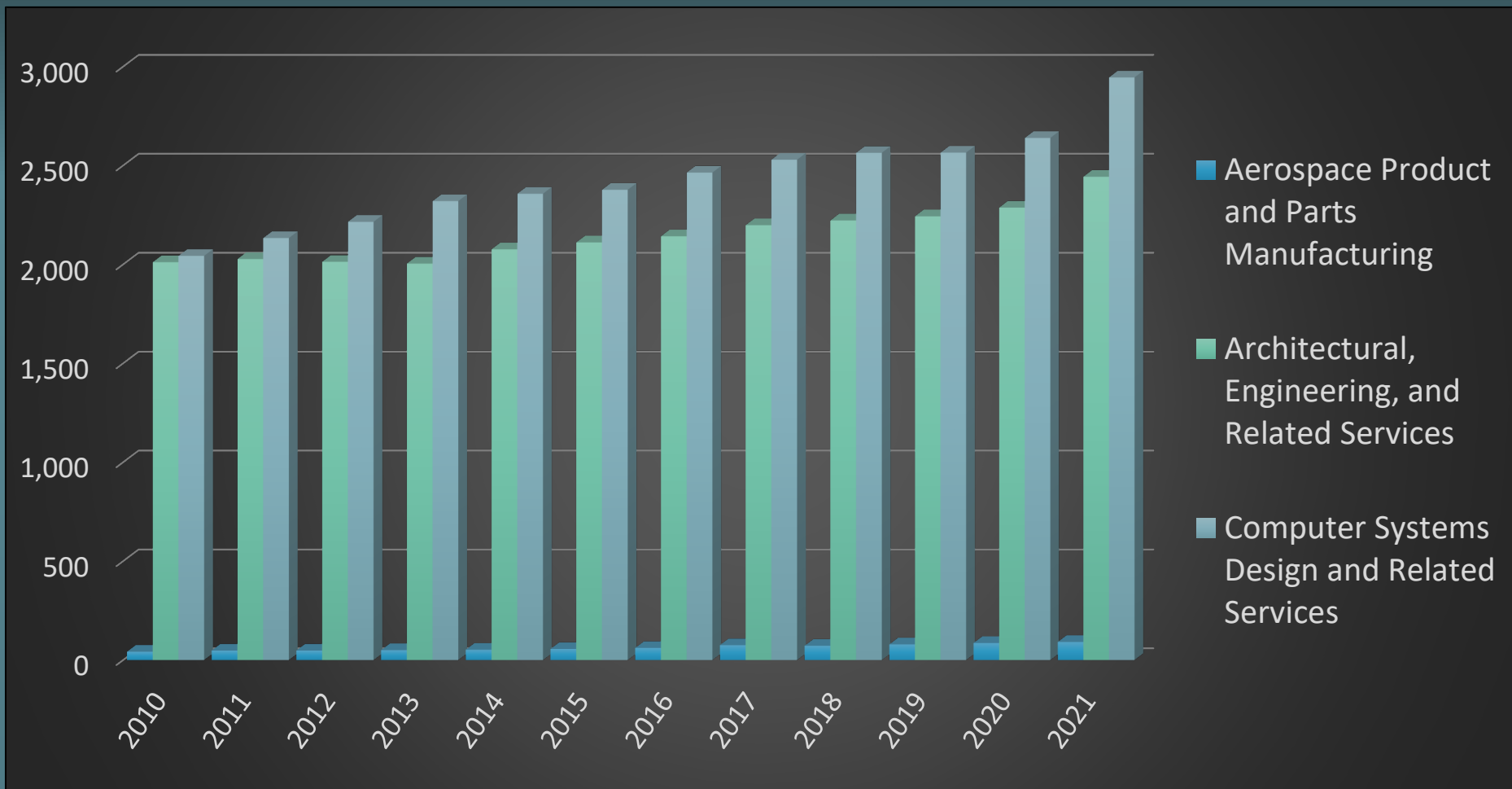
Computer Systems Design and Related Services

Firm Age Workforce Indicators

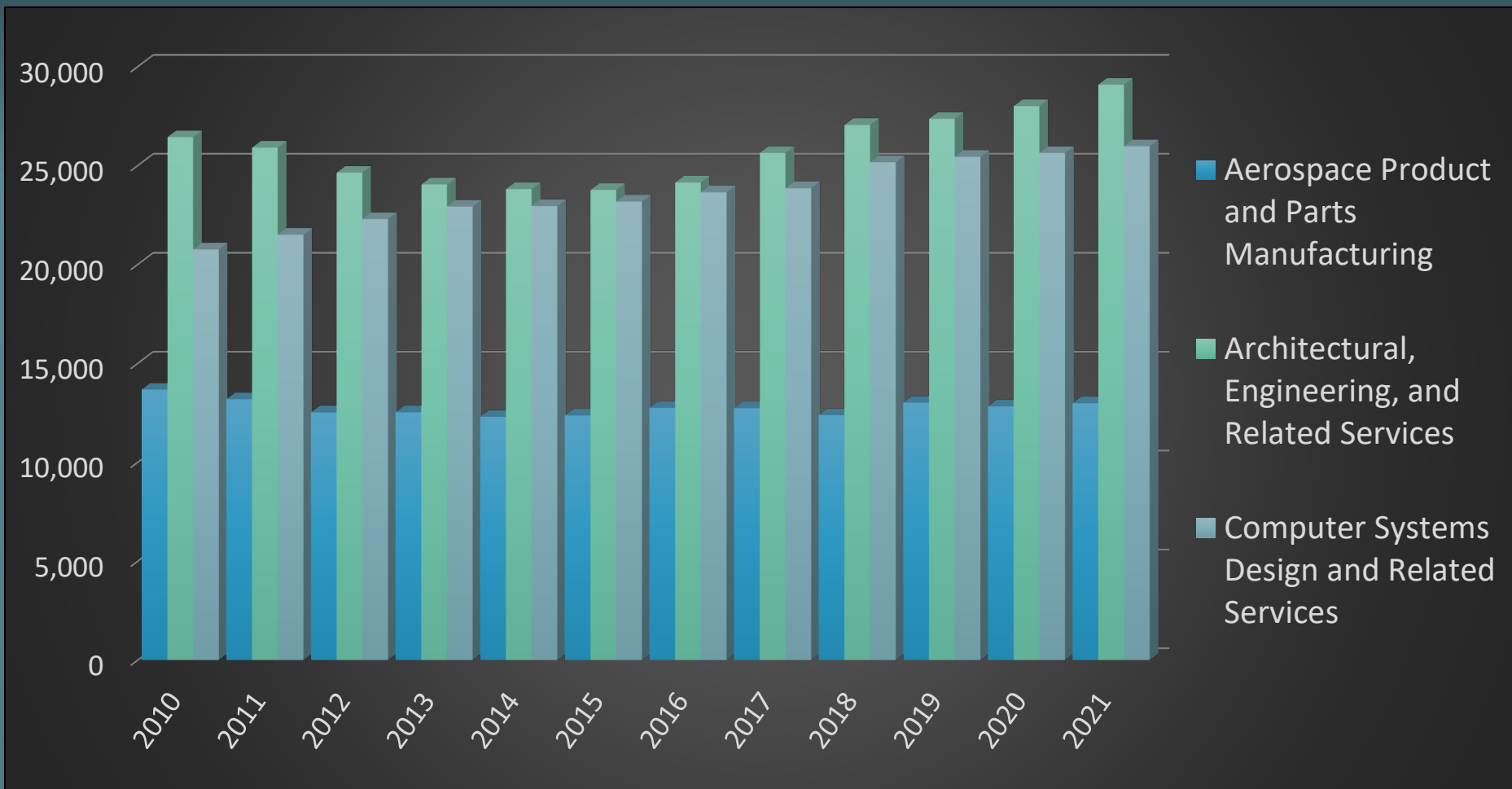
Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	335	\$6,760	\$5,140	13.8%
2 – 3 Years	304	\$7,944	\$6,982	10.9%
4 – 5 Years	358	\$7,453	\$7,771	13.3%
6 – 10 Years	1,211	\$7,367	\$6,172	10.9%
11+ Years	21,057	\$8,212	\$6,443	6.3%
All Firm Ages	23,265	\$8,136	\$6,423	6.8%

Source: Local Employment Household Dynamics Partnership between Alabama Department of Labor, Labor Market Information Division, and the U.S. Census Bureau, LED Extraction Tool; 2021 annual average data shown. **Data not available or marked confidential. Note: Data may not add due to rounding.*

Development of Alabama's Aerospace/Aviation Industry by Company

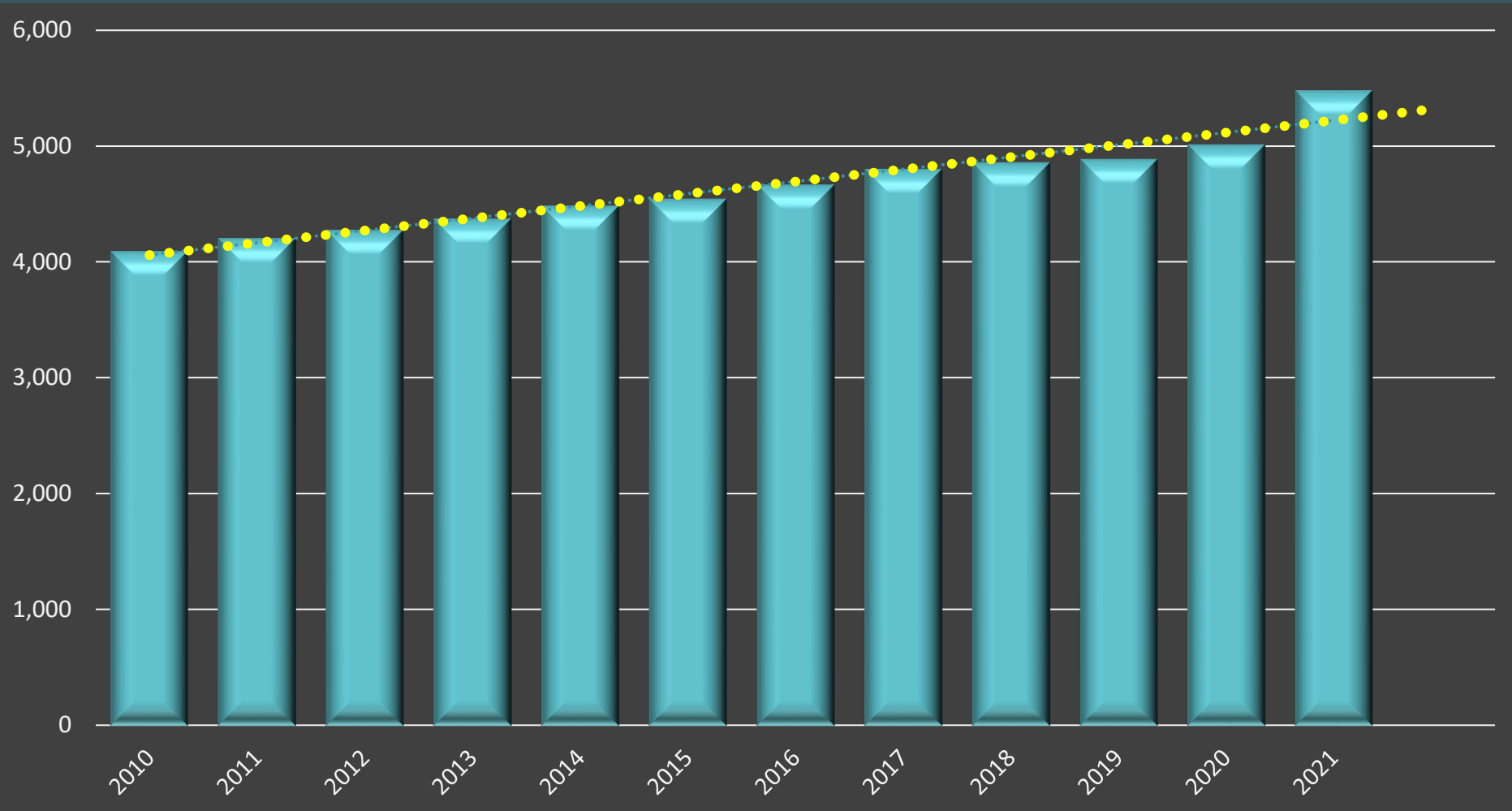


Development of Alabama's Aerospace/Aviation Industry by Employment



Cluster Change Since 2010

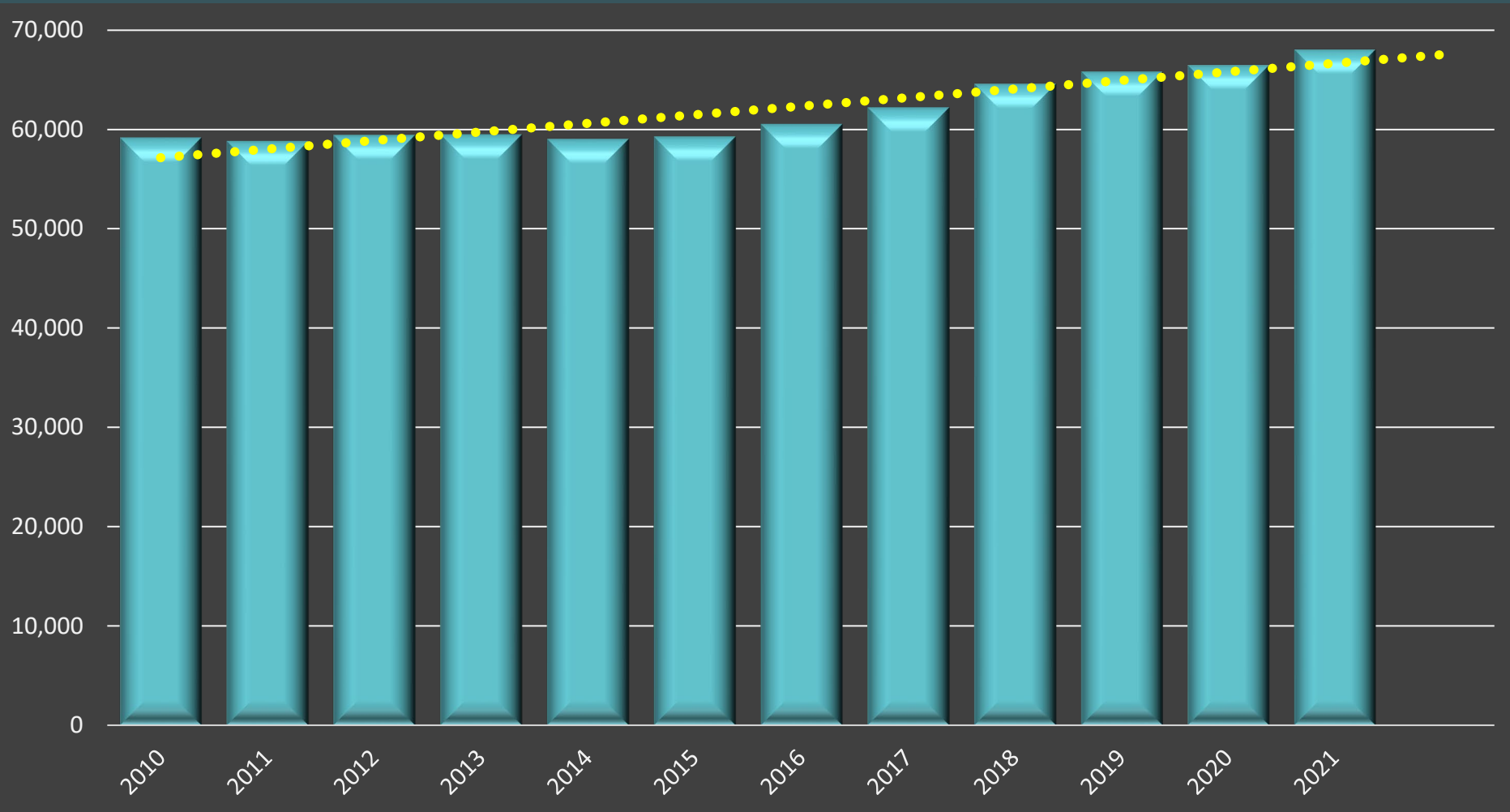
Total Establishment



Source: Alabama Department of Labor, Quarterly Census of Employment and Wages.

Cluster Change Since 2010

Total Employment



Source: Alabama Department of Labor, Quarterly Census of Employment and Wages.

Top Occupations for Aerospace/Aviation by Rounded Employment

Occupations	# of Jobs	% of Total
Software Developers and Software Quality Assurance Analysts and Testers	8,020	11.9%
Civil Engineers	2,310	3.4%
Electrical Engineers	2,140	3.2%
Computer Programmers	1,950	2.9%
General and Operations Managers	1,940	2.9%
Aerospace Engineers	1,930	2.9%
Computer User Support Specialists	1,860	2.8%
Computer and Information Systems Managers	1,680	2.5%
Aircraft Mechanics and Service Technicians	1,680	2.5%
Remaining Occupations	43,710	65.1%

Source: Alabama Department of Labor, Labor Market Information Division in cooperation with the Projections Managing Partnership program and U.S. Bureau of Labor Statistics. Employment rounded to the nearest 10.

Wage Information

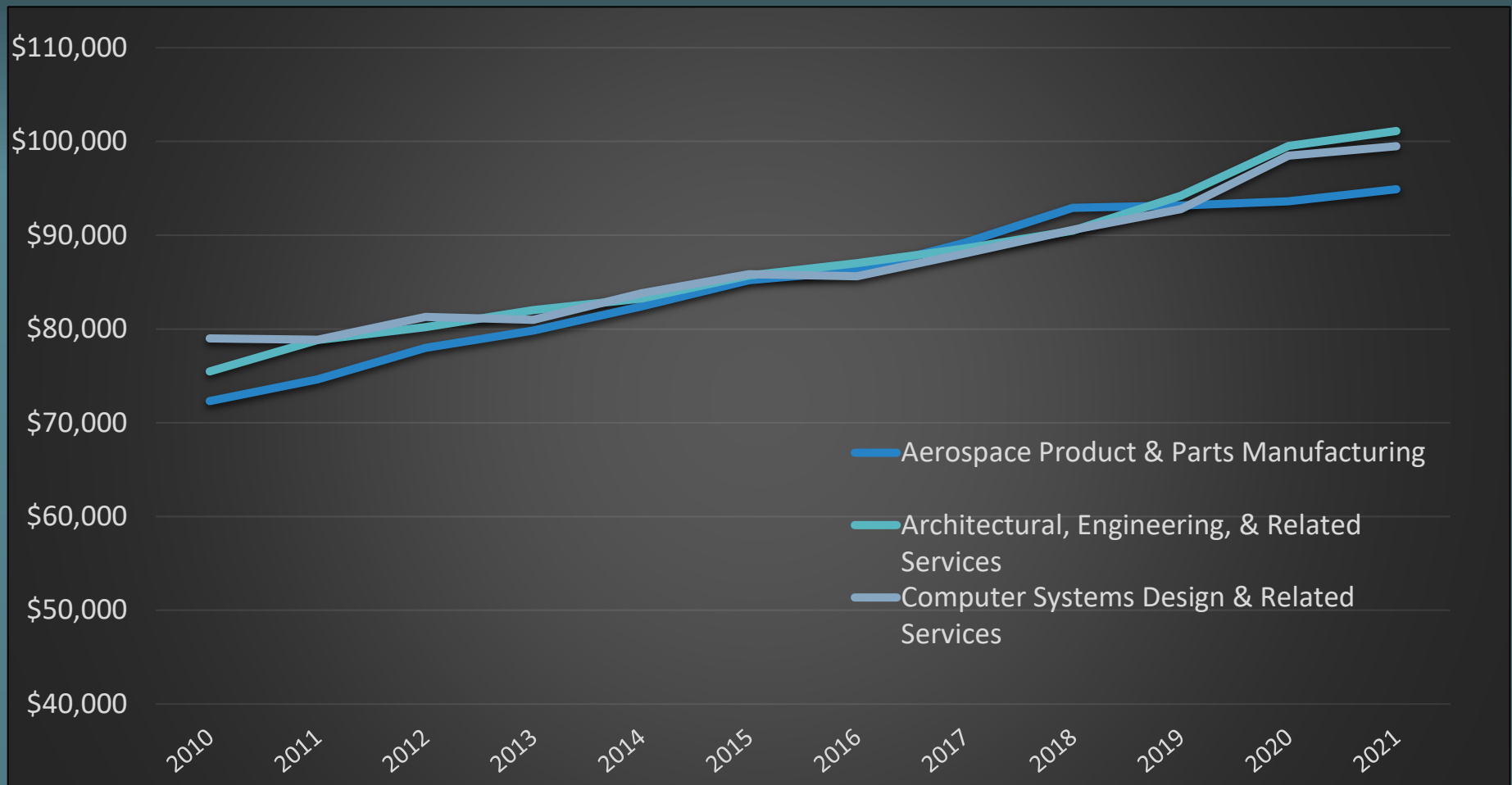
Top 10 by Rounded Occupational Employment

Occupation	Rounded Emp.	Entry Hourly	Entry Annual	Median Hourly	Median Annual	Experienced Hourly	Experienced Annual
Software Developers and Software Quality Assurance Analysts and Testers	8,020	\$30.10	\$62,615	\$47.37	\$98,524	\$59.17	\$123,066
Civil Engineers	2,310	\$27.46	\$57,123	\$41.32	\$85,954	\$53.72	\$111,738
Electrical Engineers	2,140	\$33.51	\$69,695	\$48.09	\$100,026	\$58.73	\$122,163
Computer Programmers	1,950	\$27.34	\$56,865	\$40.30	\$83,816	\$49.82	\$103,630
General and Operations Managers	1,940	\$26.83	\$55,799	\$48.64	\$101,174	\$74.42	\$154,798
Aerospace Engineers	1,930	\$38.92	\$80,953	\$58.84	\$122,383	\$69.39	\$144,327
Computer User Support Specialists	1,860	\$15.62	\$32,486	\$23.02	\$47,880	\$28.82	\$59,939
Computer and Information Systems Managers	1,680	\$40.12	\$83,455	\$59.24	\$123,215	\$73.26	\$152,390
Aircraft Mechanics and Service Technicians	1,680	\$22.75	\$47,320	\$31.53	\$65,576	\$33.96	\$70,640
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	1,650	\$12.89	\$26,820	\$17.33	\$36,041	\$20.13	\$41,870

Source: 2021 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.* Entry and Experienced Wages equal 10th percentile and 90th percentile wages, respectively.

Wage Information

Total Wages by Industry

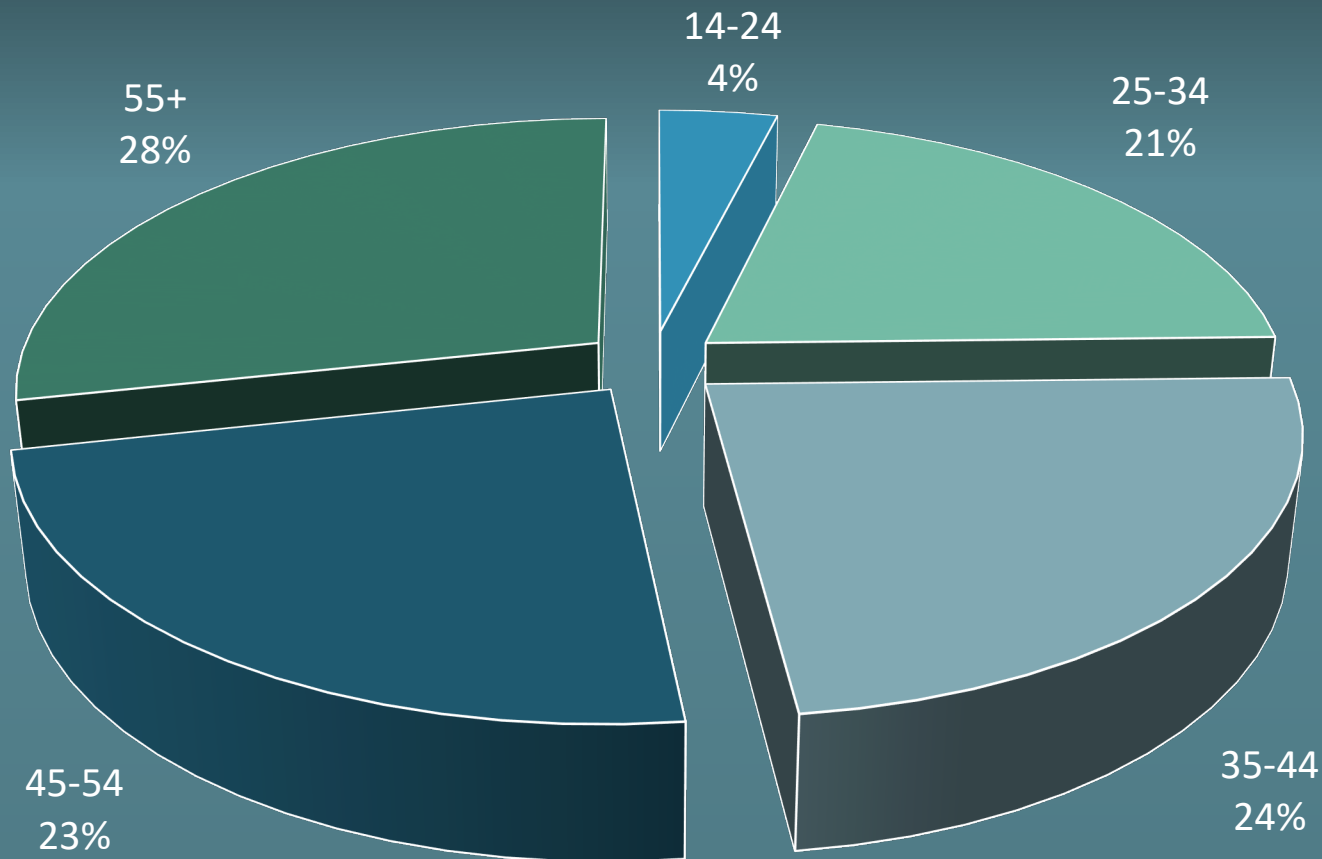


2021 Quarterly Workforce Indicators

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	5.9%	422	249	\$7,358	\$7,301
5413	Architectural, Engineering, and Related Services	6.3%	946	175	\$8,545	\$7,125
5415	Computer Systems Design and Related Services	6.8%	812	5	\$8,136	\$6,423

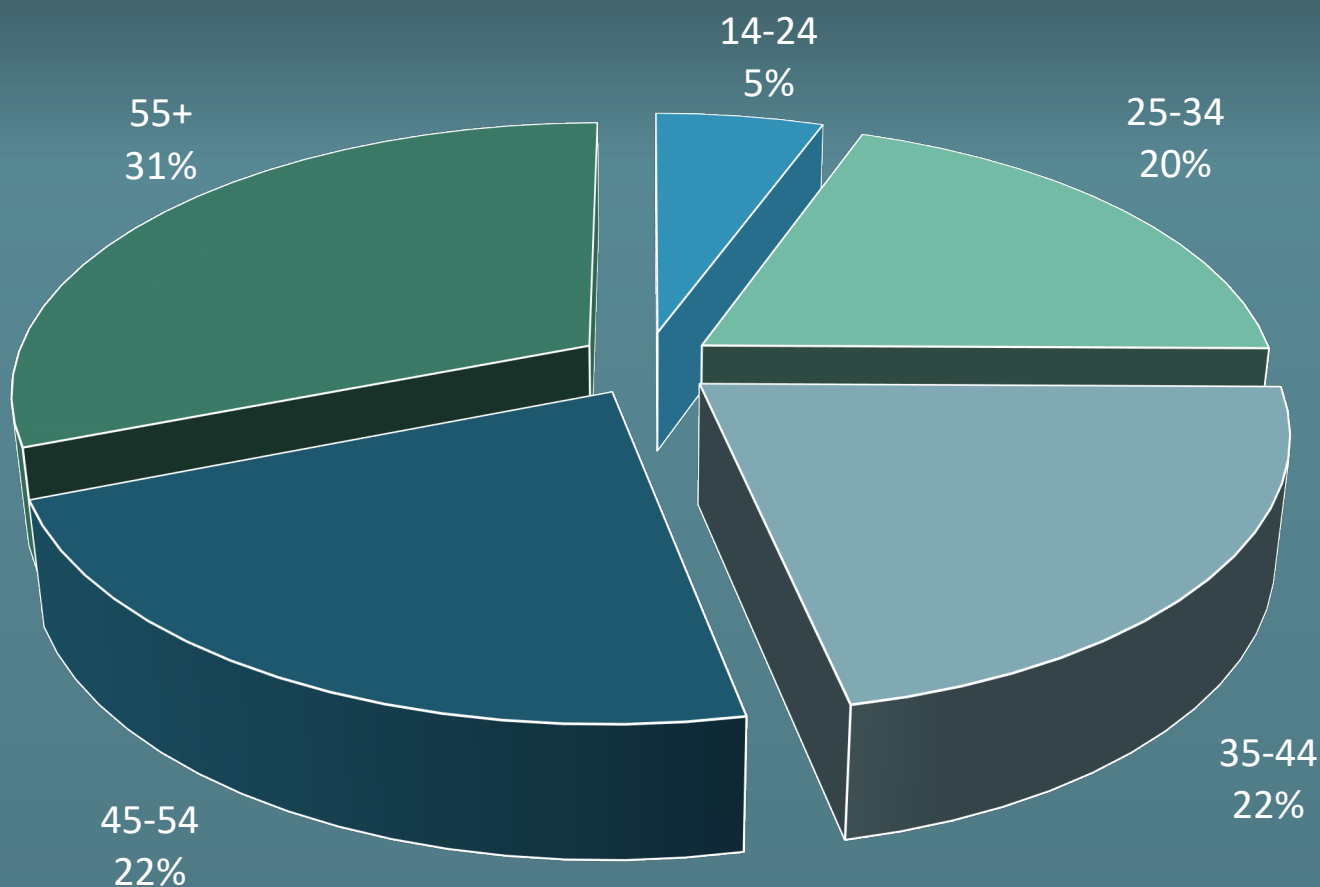
3364 Aerospace Product and Parts Manufacturing

2021 Average Annual Employment by Age Group



5413 Architectural, Engineering, and Related Services

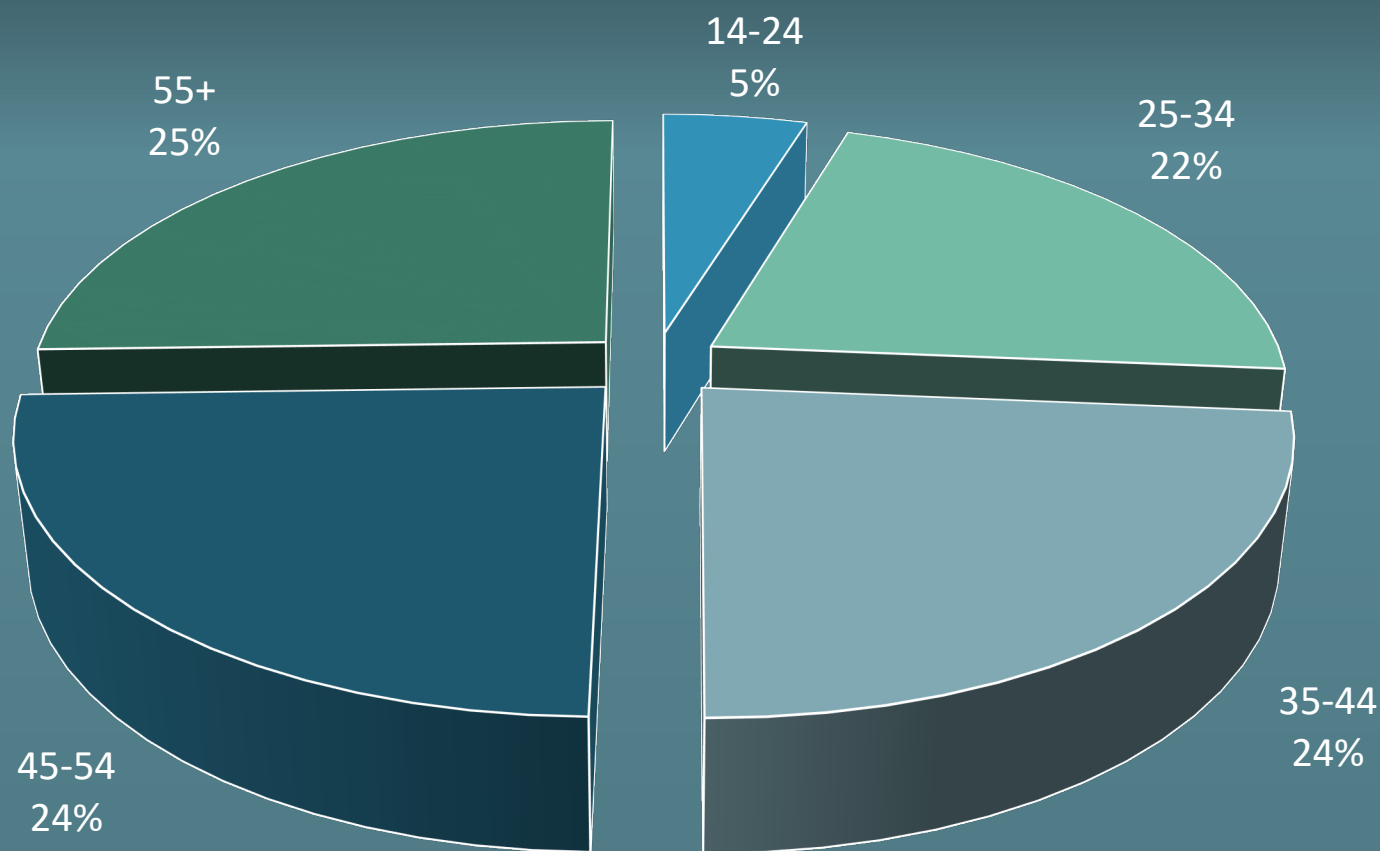
2021 Average Annual Employment by Age Group



Source: Partnership between the Alabama Department of Labor, Labor Market Information Division and the U.S. Census Bureau, Longitudinal Employment-Household Dynamics (LEHD) Program, Quarterly Workforce Indicators (QWI) data.

5415 Computer Systems Design and Related Services

2021 Average Annual Employment by Age Group



Projections Information

2020 – 2030 Industry Projections by NAICS Code

NAICS	Industry	2020	2030	Net Change	Percent Change	Average Annual Growth	U.S. Average Annual Growth	Location Quotient
3364	Aerospace Product and Parts Manufacturing	12,820	15,690	2,870	22.42%	2.04%	-0.02%	1.80
5413	Architectural, Engineering, and Related Services	28,030	29,950	1,920	6.85%	0.66%	0.15%	1.33
5415	Computer Systems Design and Related Services	25,630	29,420	3,790	14.78%	1.39%	2.15%	0.84

Major Aerospace/Aviation Regions

Aerospace/Aviation Industry Maps:

[Statewide](#)

[Region 1](#)

[Region 2](#)

[Region 3](#)

[Region 4](#)

[Region 5](#)

[Region 6](#)

[Region 7](#)