

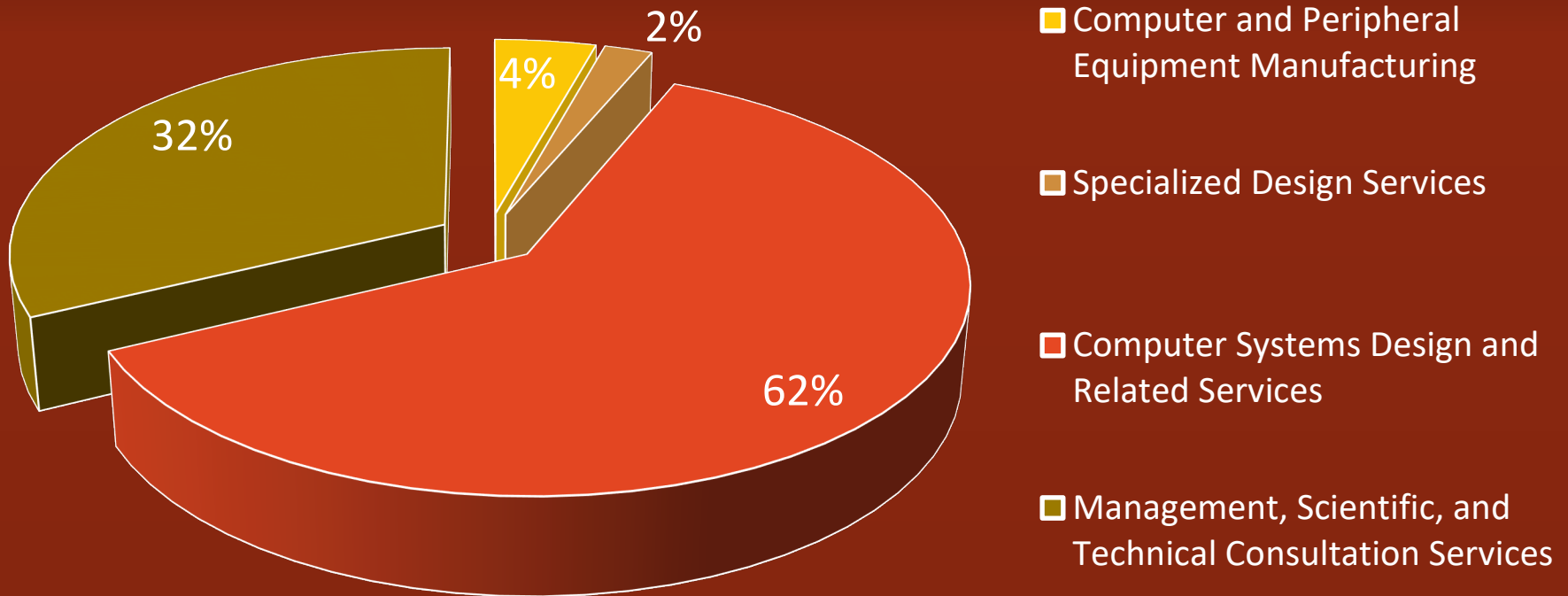


Alabama  
Department  
of Labor

# Accelerate Alabama Information Technology

Alabama Department of Labor  
Labor Market Information Division

# Alabama Information Technology Employment by Industry Sectors



# Alabama Information Technology Industry Overview

Sector	# of Companies	# Employed
Computer and Peripheral Equipment Manufacturing	30	1,822
Specialized Design Services	299	866
Computer Systems Design and Related Services	3,076	25,923
Management, Scientific, and Technical Consultation Services	3,434	13,580

# Computer and Peripheral Equipment Manufacturing

## 3341 Computer and Peripheral Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing and/or assembling electronic computers, such as mainframes, personal computers, workstations, laptops, and computer servers; and computer peripheral equipment, such as storage devices, printers, monitors, input/output devices and terminals. Computers can be analog, digital, or hybrid. Digital computers, the most common type, are devices that do all of the following: (1) store the processing program or programs and the data immediately necessary for the execution of the program; (2) can be freely programmed in accordance with the requirements of the user; (3) perform arithmetical computations specified by the user; and (4) execute, without human intervention, a processing program that requires the computer to modify its execution by logical decision during the processing run. Analog computers are capable of simulating mathematical models and comprise at least analog, control, and programming elements.

30 companies; 1,822 employed;  
4% of IT Industry Employment

# of Employees	% of Companies
1-49	80%
50-99	10%
100-249	3%
250+	7%

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

### Top 5 Job Categories:

- 20% Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers
- 8% Software Developers and Software Quality Assurance Analysts and Testers
- 5% Computer Hardware Engineers
- 5% Industrial Engineers
- 5% Inspectors, Testers, Sorters, Samplers, and Weighers

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

# Computer and Peripheral Equipment Manufacturing

## Firm Age Workforce Indicators

Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	29	\$5,225	\$3,614	*
2 – 3 Years	*	*	*	*
4 – 5 Years	*	\$7,860	\$7,170	*
6 – 10 Years	*	\$12,416	*	*
11+ Years	1,643	\$5,089	\$3,601	6.4%
All Firm Ages	1,693	\$5,091	\$3,575	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.*

# Specialized Design Services

## 5414 Specialized Design Services

This industry comprises establishments primarily engaged in creating and developing designs and specifications that optimize the use, value, and appearance of their products. These services can include the determination of the materials, construction, mechanisms, shape, color, and surface finishes of the product, taking into consideration human characteristics and needs, safety, market appeal, and efficiency in production, distribution, use, and maintenance. Establishments providing automobile or furniture industrial design services or industrial design consulting services are included in this industry.

299 companies; 866 employed;  
2% of IT Industry Employment

# of Employees	% of Companies
1-49	100%
50-99	0%
100-249	0%
250+	0%

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

### Top 5 Job Categories:

- 22% Graphic Designers
- 14% Interior Designers
- 7% Printing Press Operators
- 6% Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel
- 6% General and Operations Managers

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

## Specialized Design Services Firm Age Workforce Indicators

Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	62	\$4,145	\$3,208	21.1%
2 – 3 Years	56	\$3,776	\$2,434	13.8%
4 – 5 Years	91	\$3,358	\$3,160	12.1%
6 – 10 Years	132	\$4,080	\$3,109	10.1%
11+ Years	430	\$4,674	\$3,733	9.0%
All Firm Ages	771	\$4,316	\$3,483	10.6%

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;  
63% of IT Industry Employment

# of Employees	% of Companies
1-49	97%
50-99	1%
100-249	1%
250+	0%

**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	*	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.*

# Management, Scientific, and Technical Consultation Services

## 5416 Management, Scientific, and Technical Consultation Services

This industry comprises establishments primarily engaged in providing advice and assistance to businesses and other organizations on management issues, such as strategic and organizational planning; financial planning and budgeting; marketing objectives and policies; human resource policies, practices, and planning; production scheduling; and control planning.

3,434 companies; 13,580 employed;  
32% of IT Industry Employment

# of Employees	% of Companies
1-49	99%
50-99	1%
100-249	0%
250+	0%

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

### Top 5 Job Categories:

- 10% Management Analysts
- 7% Inspectors, Testers, Sorters, Samplers, and Weighers
- 6% General and Operations Managers
- 5% Secretaries and Administrative Assistants, Except Legal, Medical, and Executive
- 4% Miscellaneous Assemblers and Fabricators

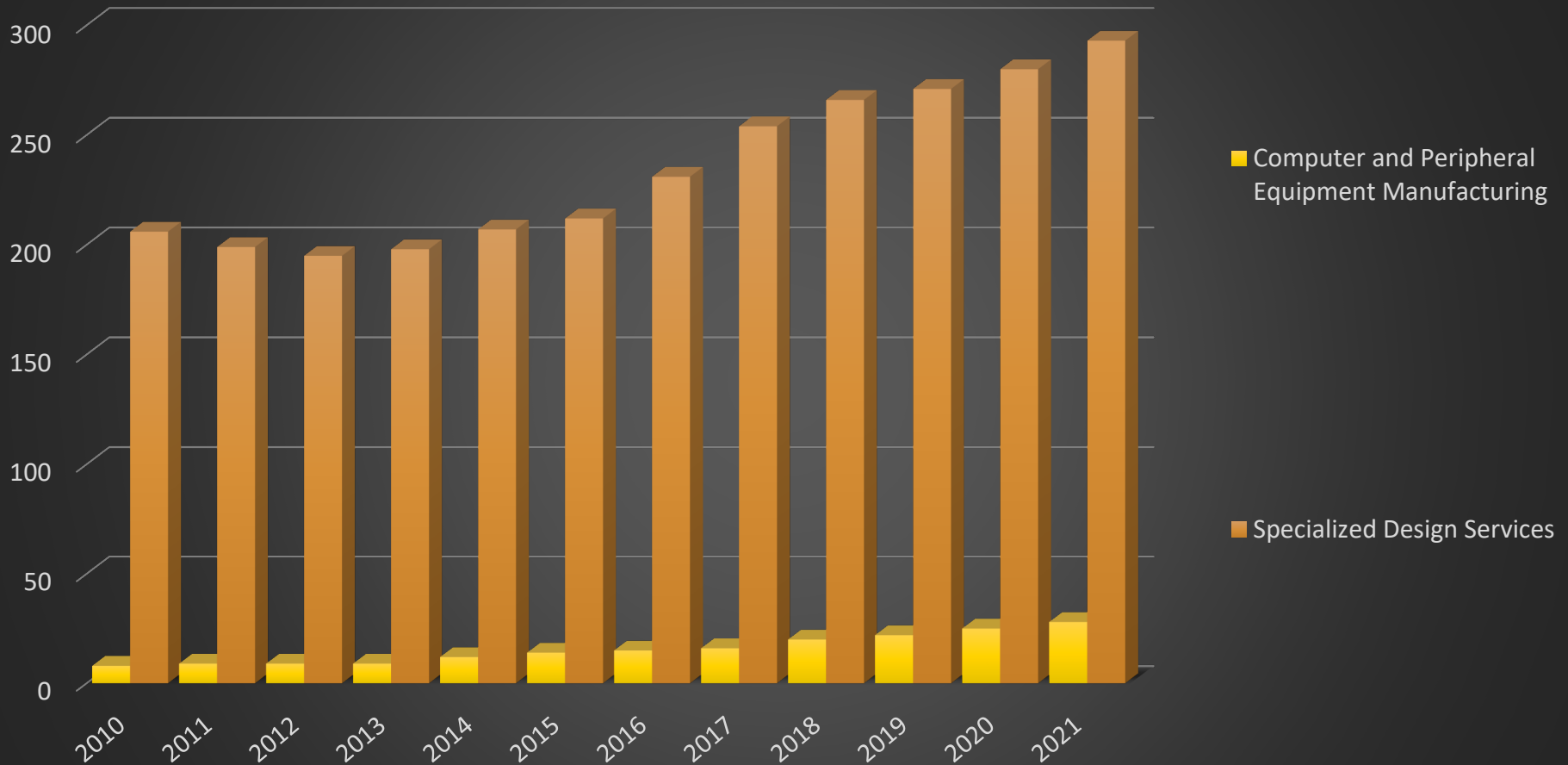
**Source:** 2021 Release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics.

# Management, Scientific, and Technical Consultation Services Firm Age Workforce Indicators

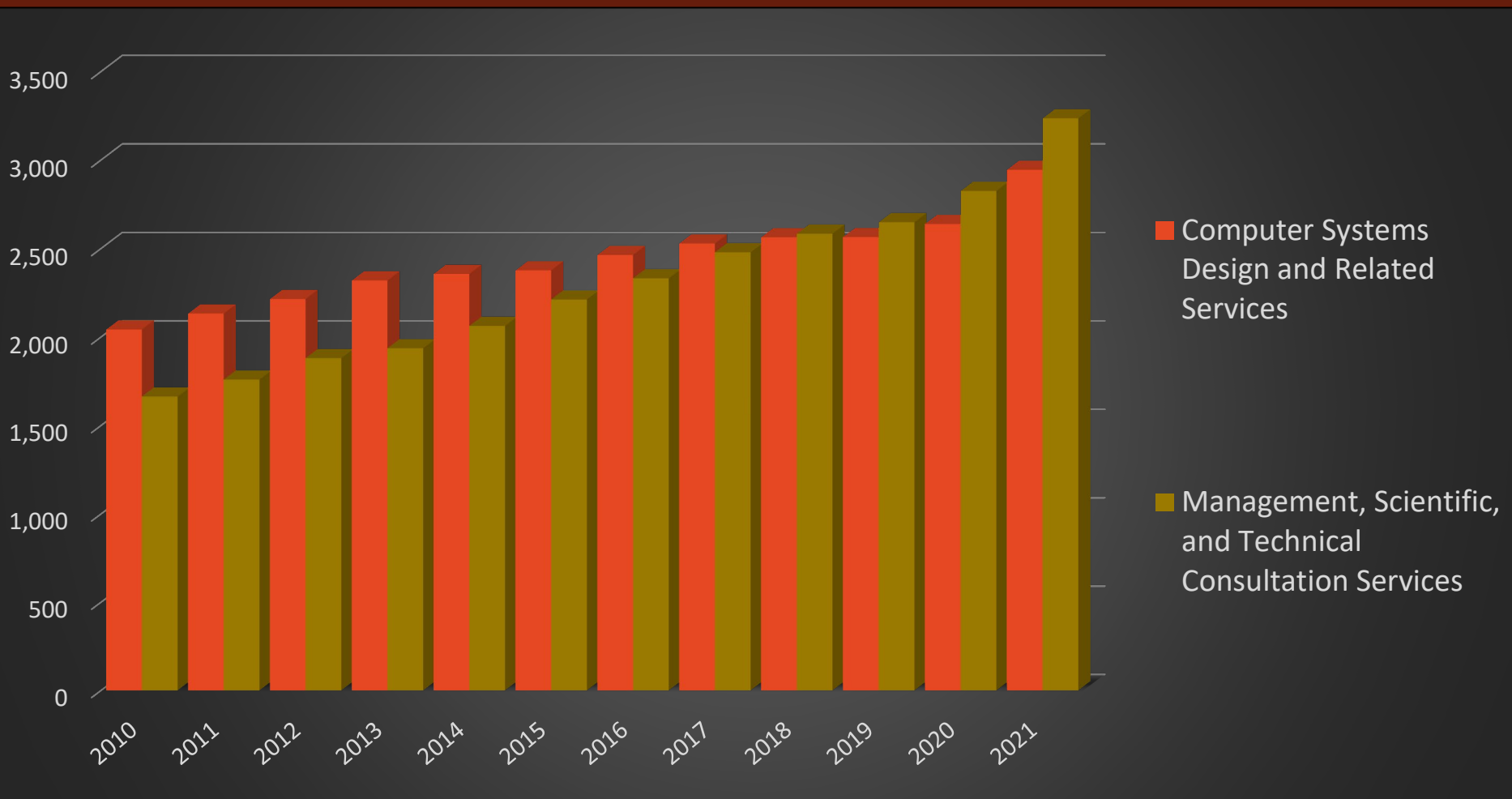
Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	480	\$5,478	\$4,701	18.4%
2 – 3 Years	667	\$5,674	\$4,424	11.3%
4 – 5 Years	804	\$5,891	\$4,862	11.6%
6 – 10 Years	1,632	\$5,850	\$4,082	12.7%
11+ Years	8,079	\$7,017	\$5,319	10.7%
All Firm Ages	11,660	\$6,635	\$5,010	11.4%

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 Information Technology Industry by Company

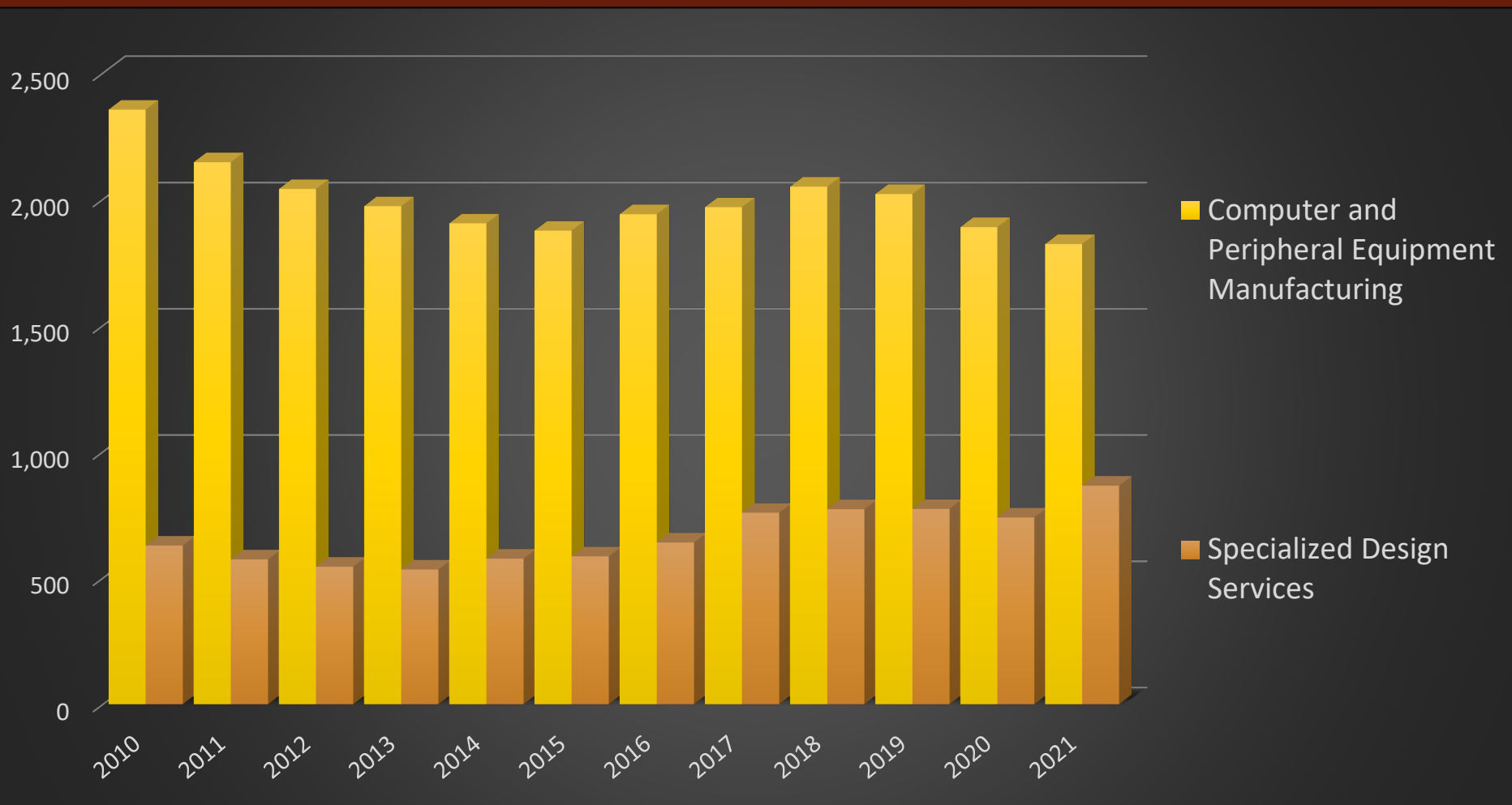


# Development of Alabama's Information Technology Industry by Company



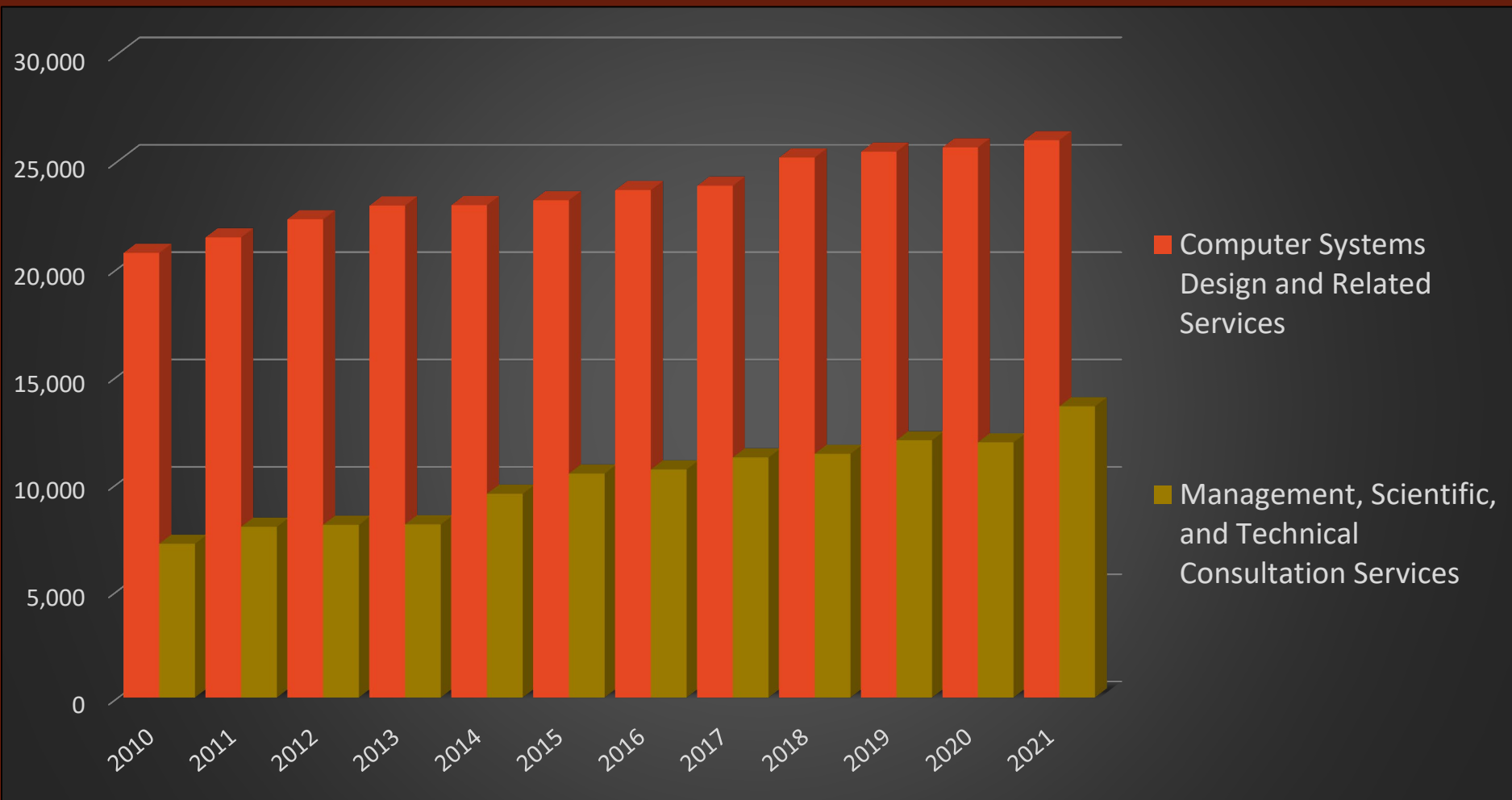
Source: Alabama Department of Labor, Quarterly Census of Employment and Wages.

# Development of Alabama's Information Technology Industry by Employment



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

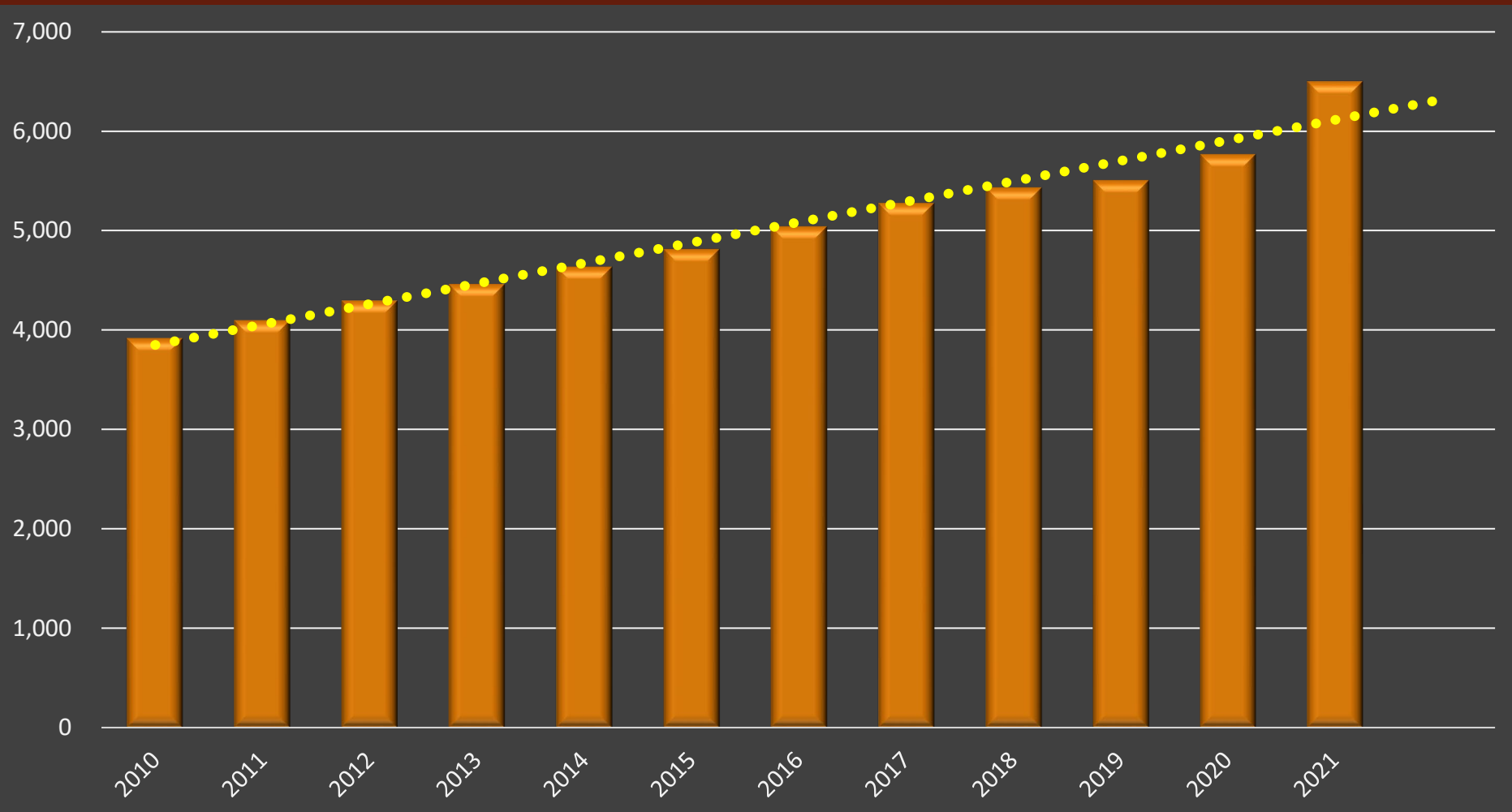
# Development of Alabama's Information Technology Industry by Employment



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

# Cluster Change Since 2010

## Total Establishment

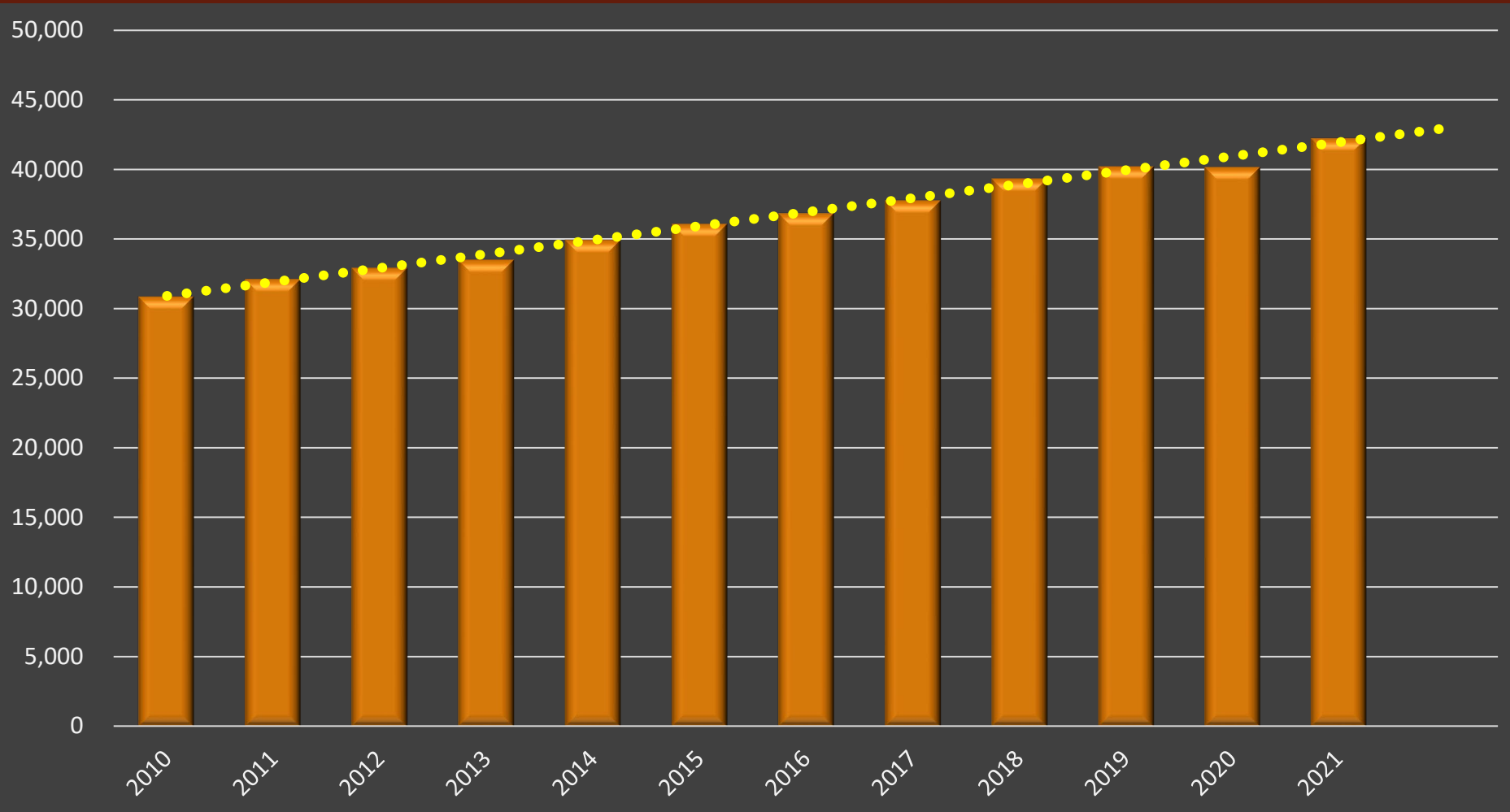


Source: Alabama Department of Labor, Quarterly Census of Employment and Wages.



# Cluster Change Since 2010

## Total Employment



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

# Top Occupations for Information Technology by Rounded Employment

Occupations	# of Jobs	% of Total
Software Developers and Software Quality Assurance Analysts and Testers	6,610	16.7%
Computer User Support Specialists	1,710	4.3%
Computer Programmers	1,650	4.2%
General and Operations Managers	1,610	4.1%
Management Analysts	1,480	3.7%
Computer and Information Systems Managers	1,450	3.7%
Customer Service Representatives	1,340	3.4%
Computer Systems Analysts	1,140	2.9%
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	1,060	2.7%
Remaining Occupations	21,440	54.3%

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

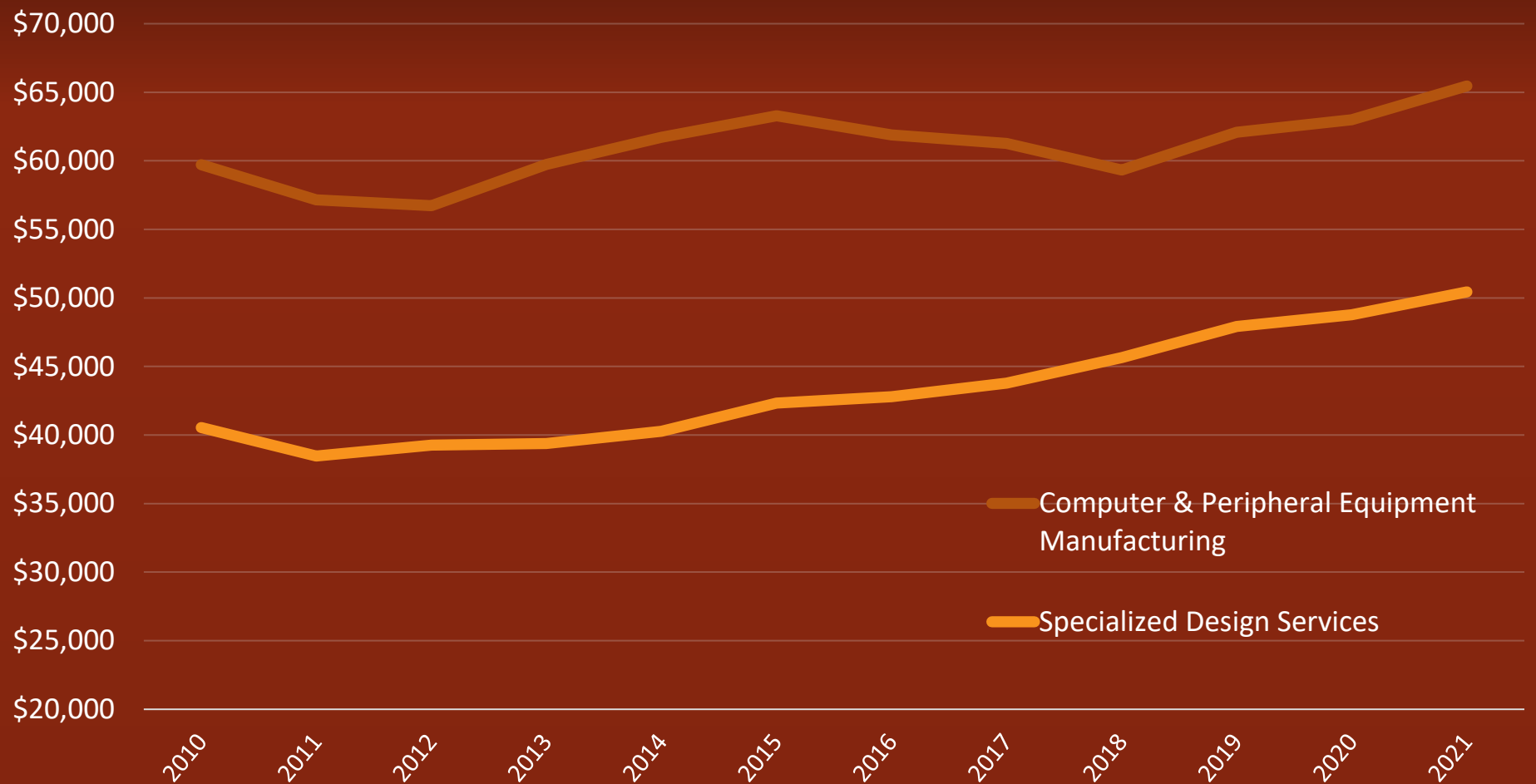
## Top 10 by Rounded Occupational Employment

Occupation	Rounded Emp.	Entry Hourly	Entry Annual	Median Hourly	Median Annual	Experienced Hourly	Experienced Annual
Software Developers and Software Quality Assurance Analysts and Testers	6,610	\$30.10	\$62,615	\$47.37	\$98,524	\$59.17	\$123,066
Computer User Support Specialists	1,710	\$15.62	\$32,486	\$23.02	\$47,880	\$28.82	\$59,939
Computer Programmers	1,650	\$27.34	\$56,865	\$40.30	\$83,816	\$49.82	\$103,630
General and Operations Managers	1,610	\$26.83	\$55,799	\$48.64	\$101,174	\$74.42	\$154,798
Management Analysts	1,480	\$28.21	\$58,686	\$43.45	\$90,377	\$56.89	\$118,322
Computer and Information Systems Managers	1,450	\$40.12	\$83,455	\$59.24	\$123,215	\$73.26	\$152,390
Customer Service Representatives	1,340	\$11.41	\$23,723	\$15.59	\$32,417	\$19.74	\$41,053
Computer Systems Analysts	1,140	\$29.92	\$62,239	\$42.57	\$88,552	\$52.49	\$109,170
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	1,060	\$12.89	\$26,820	\$17.33	\$36,041	\$20.13	\$41,870
Inspectors, Testers, Sorters, Samplers, and Weighers	950	\$11.76	\$24,471	\$16.44	\$34,195	\$21.43	\$44,582

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.

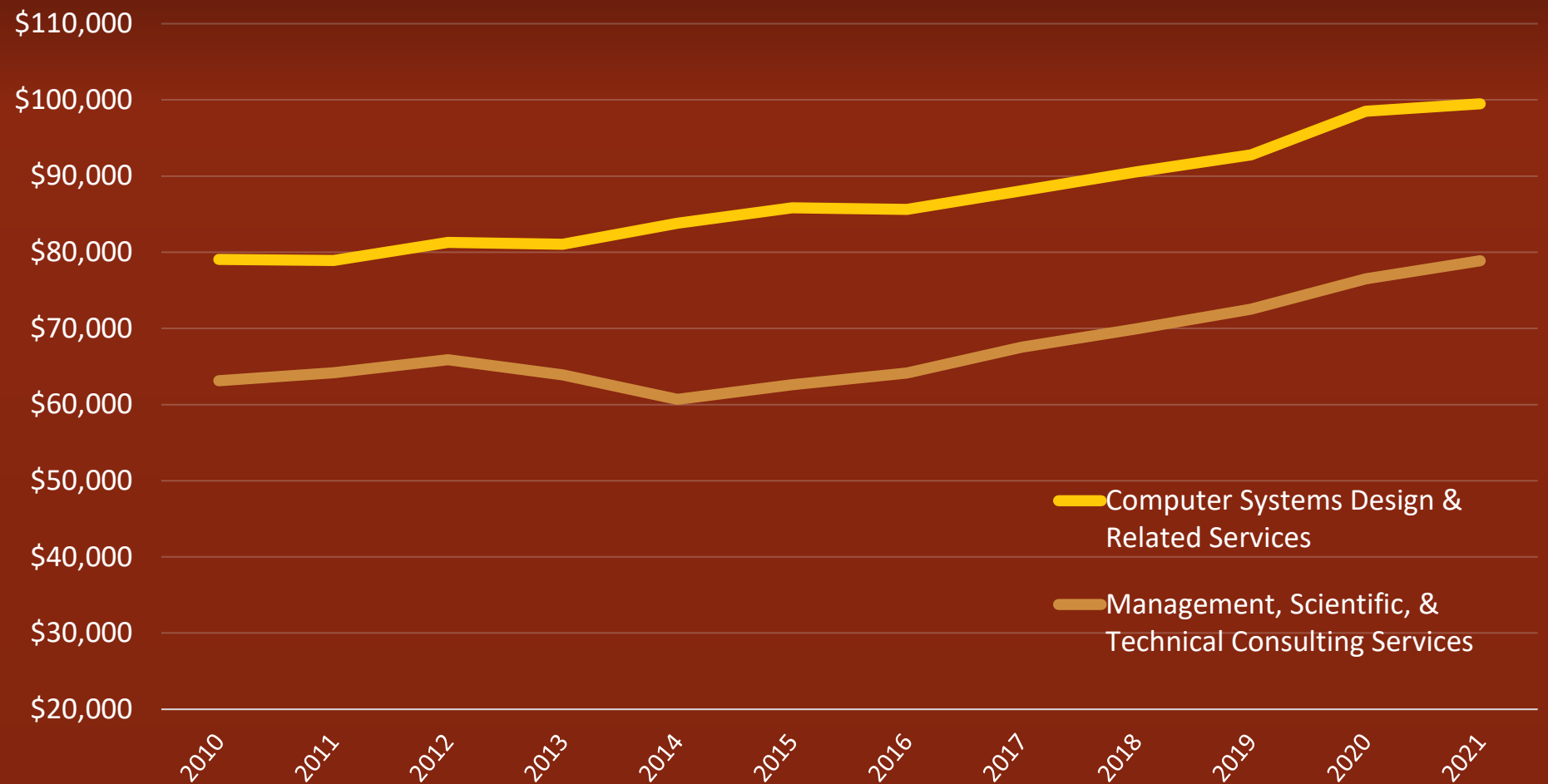
# Wage Information

## Total Wages by Industry



# Wage Information

## Total Wages by Industry



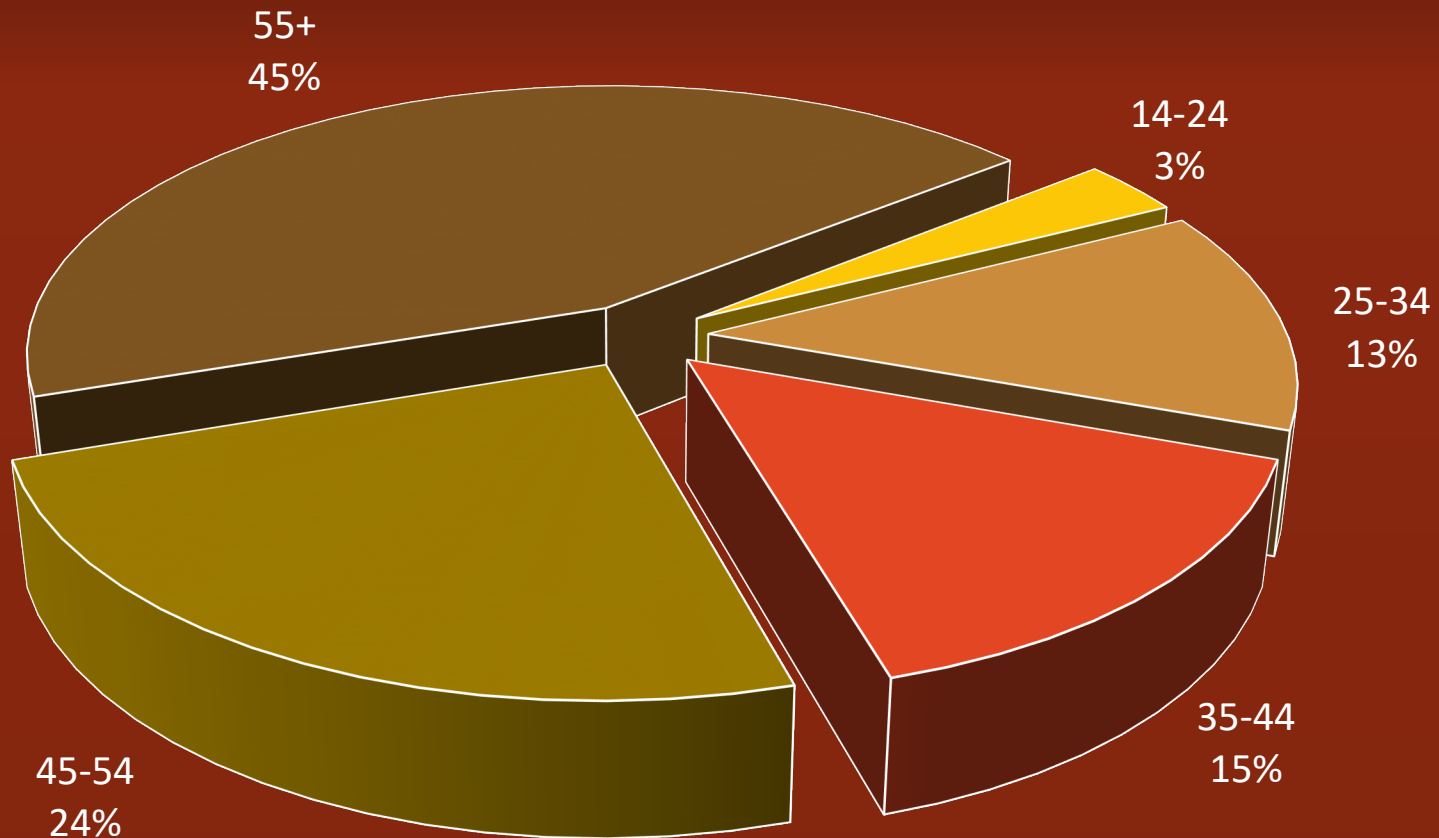
# 2021 Quarterly Workforce Indicators

NAICS	Industry	Average Turnover Rate	Average Job Gains	Average Net Job Flows	Average Monthly Earnings	Average Monthly Earnings – New Hires
3341	Computer and Peripheral Equipment Manufacturing	6.8%	29	-15	\$5,091	\$3,575
5414	Specialized Design Services	10.6%	70	36	\$4,316	\$3,483
5415	Computer Systems Design and Related Services	6.8%	812	5	\$8,136	\$6,423
5416	Management, Scientific, and Technical Consulting Services	11.4%	934	362	\$6,635	\$5,010

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. \*\* Data confidential according to Relative Standard Error (RSE).

# 3341 Computer and Peripheral Equipment Manufacturing

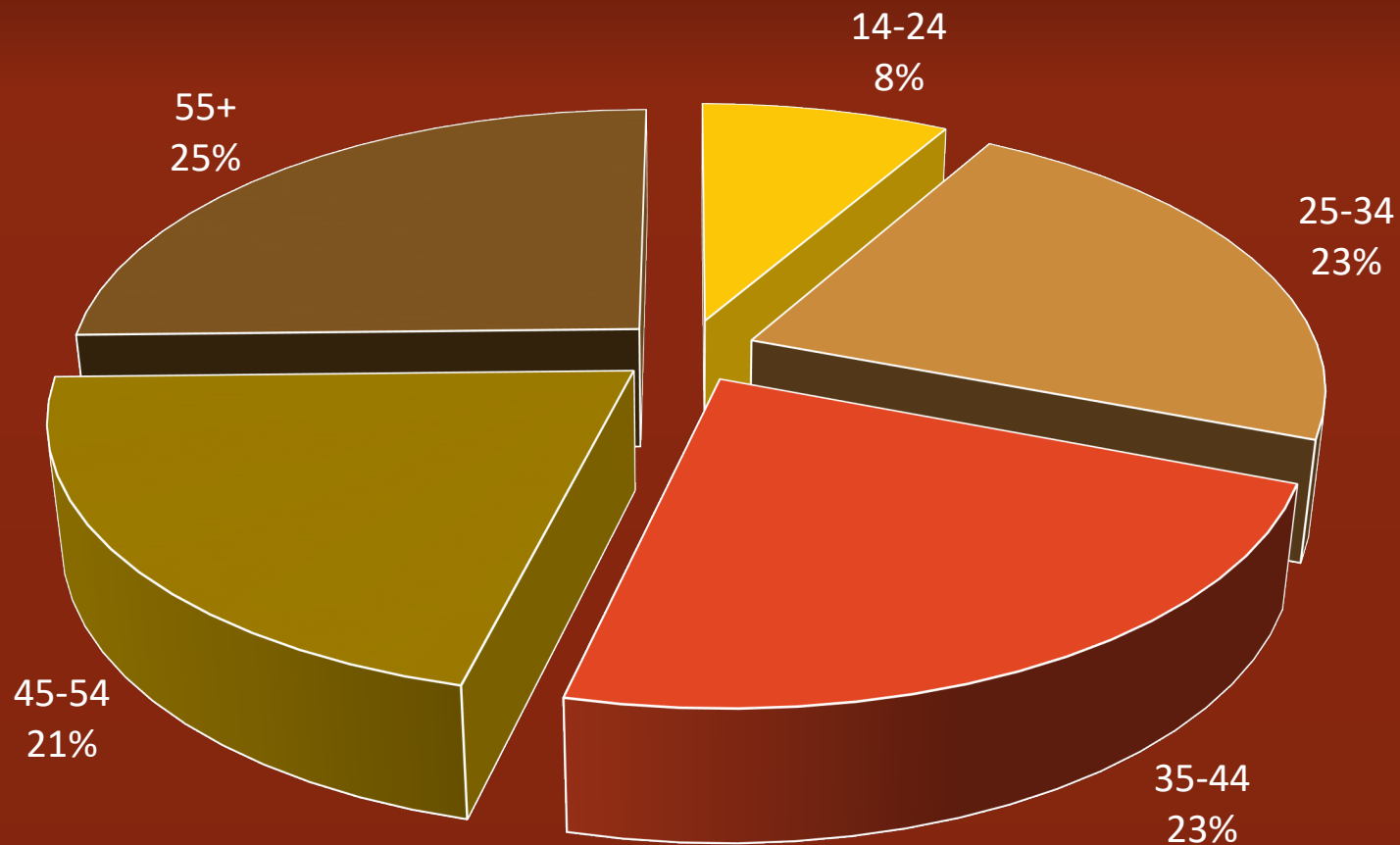
## 2021 Average Annual Employment by Age Group



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.

# 5414 Specialized Design Services

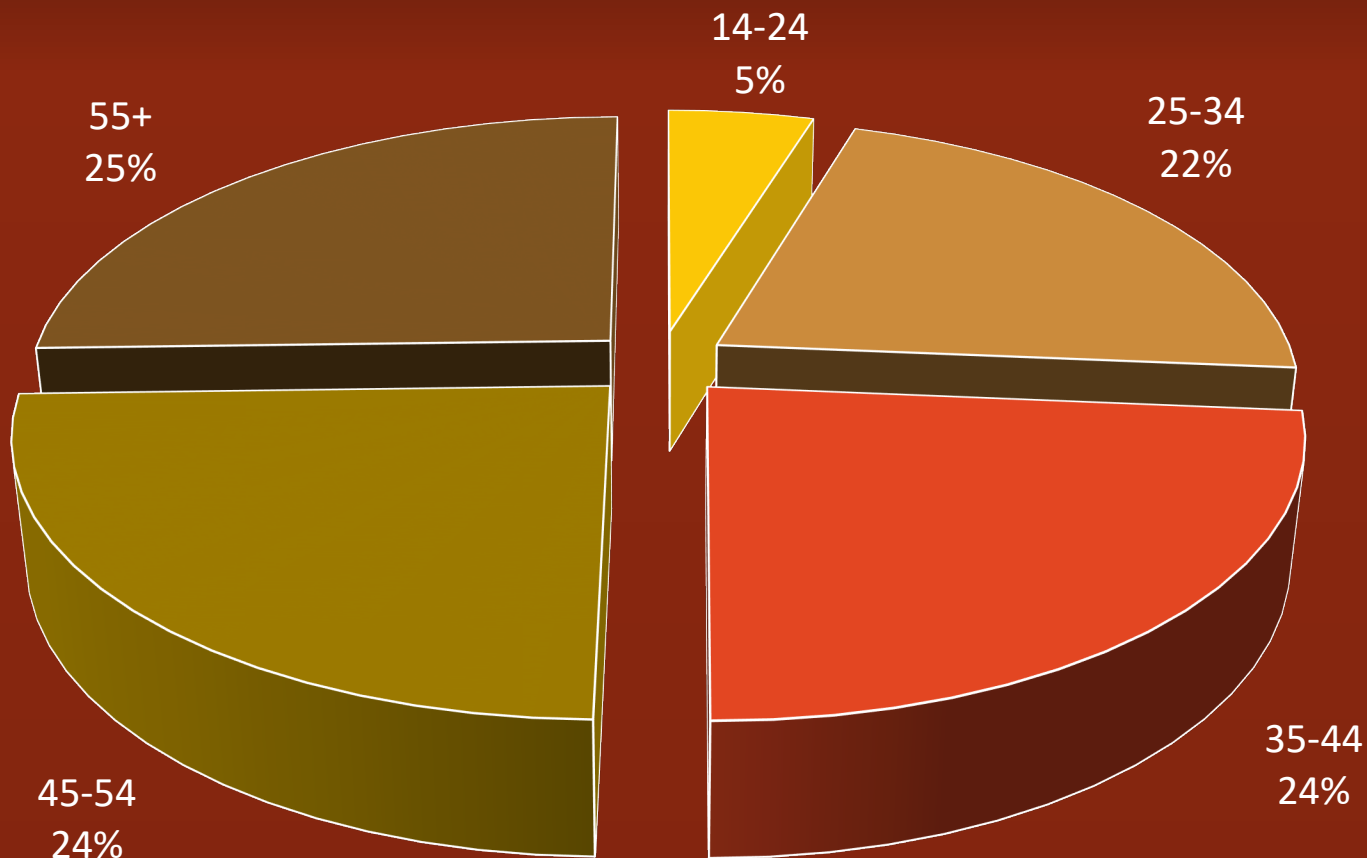
## 2021 Average Annual Employment by Age Group





# 5415 Computer Systems Design and Related Services

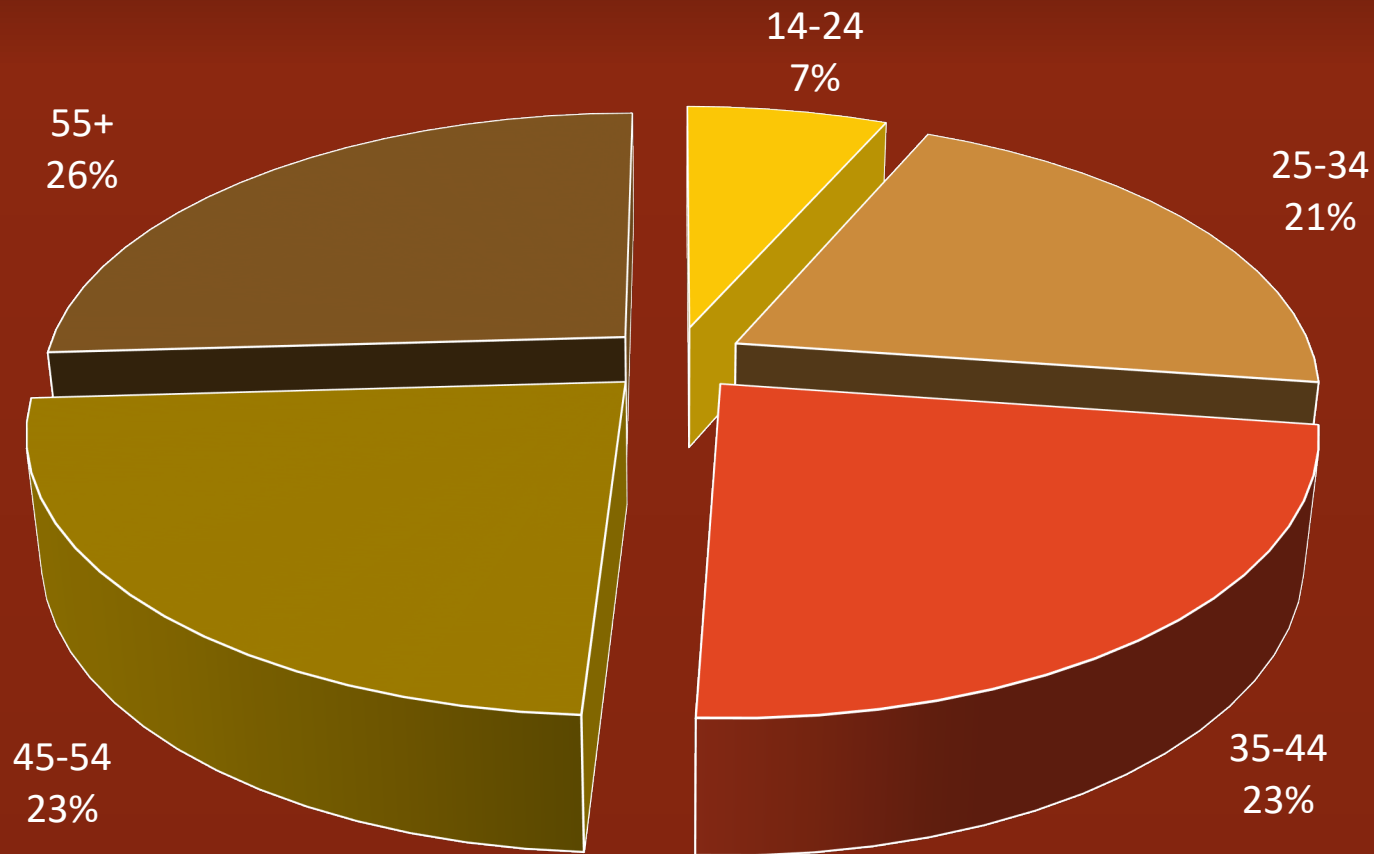
## 2021 Average Annual Employment by Age Group



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.

# 5416 Management, Scientific, and Technical Consultation 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
3341	Computer and Peripheral Equipment Manufacturing	1,890	1,870	-20	-0.95%	-0.1%	0.4%	0.84
5414	Specialized Design Services	740	810	70	9.04%	0.87%	0.68%	0.40
5415	Computer Systems Design and Related Services	25,630	29,420	3,790	14.78%	1.39%	2.15%	0.84
5416	Management, Scientific, and Technical Consulting Services	11,910	14,340	2,430	20.45%	1.88%	1.97%	0.56

Source: Industry Projections, produced by the Labor Market Information Division in cooperation with the Projections Managing Partnership (PMP).

# Major Information Technology Regions

Information Technology Industry Maps:

[Statewide](#)

[Region 1](#)

[Region 2](#)

[Region 3](#)

[Region 4](#)

[Region 5](#)

[Region 6](#)

[Region 7](#)