

Career Clusters

Architecture & Construction is one of the 16 Career Clusters identified by the U.S. Department of Education and adopted by the State of Alabama. These Career Clusters represent more than 79 career pathways with the purpose of assisting students in navigating their way successfully in college and careers.

The Alabama Department of Labor further defines these career pathways by selecting common occupations with related education requirements, work experience, wages and typical training needed, as defined by the U.S. Bureau of Labor Statistics. Included in this pamphlet are the high skilled, high demand, and high wage occupations associated with Architecture & Construction.



Careers in designing, planning, managing, building, and maintaining the built environment.

Earnings

ALABAMA STATEWIDE SELECTED OCCUPATIONS		SALARY		
Occupation	Entry	Average	Experienced	
Landscaping and Groundskeeping Workers	\$16,781	\$22,526	\$25,399	
Painters, Construction and Maintenance	\$22,879	\$31,982	\$36,534	
Carpenters	\$22,920	\$32,267	\$36,941	
Electricians	\$31,398	\$43,197	\$49,096	
Plumbers, Pipefitters, and Steamfitters	\$28,323	\$40,175	\$46,101	
Structural Iron and Steel Workers	\$29,679	\$38,709	\$43,223	
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	\$28,390	\$39,170	\$44,561	
Mechanical Drafters	\$33,506	\$52,839	\$62,506	
Civil Engineering Technicians	\$26,512	\$36,542	\$41,557	
Cost Estimators	\$37,608	\$56,974	\$66,658	
Landscape Architects	\$48,692	\$72,760	\$84,794	
Surveyors	\$31,229	\$51,408	\$61,497	
Civil Engineers	\$47,226	\$71,869	\$84,231	
Interior Designers	\$24,983	\$46,540	\$57,318	

Employment

ALABAMA STATEWIDE SELECTED OCCUPATIONS		TOTAL EMPLOYMENT		
Occupation	2012	2022	Average Annual Openings	
Landscaping and Groundskeeping Workers	16,050	18,150	615	
Painters, Construction and Maintenance	3,970	4,800	145	
Carpenters	11,160	13,910	410	
Electricians	10,070	11,880	370	
Plumbers, Pipefitters, and Steamfitters	5,580	6,510	160	
Structural Iron and Steel Workers	1,040	1,240	55	
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	4,910	5,890	220	
Mechanical Drafters	730	760	15	
Civil Engineering Technicians	600	610	15	
Cost Estimators	2,590	3,220	145	
Landscape Architects	210	230	5	
Surveyors	580	630	15	
Civil Engineers	3,850	4,400	150	
Interior Designers	480	540	20	

Education

HIGH SCHOOL OR LESS

	Work Experience	Job Training
Landscaping and Groundskeeping Workers	■	●
Painters, Construction and Maintenance	■	●
Carpenters	■	◆
Electricians	■	◆
Plumbers, Pipefitters, and Steamfitters	■	◆
Structural Iron and Steel Workers	■	◆

SOME COLLEGE - ASSOCIATE'S DEGREE

Heating, Air Conditioning, and Refrigeration Mechanics and Installers	■	●
Mechanical Drafters	■	○
Civil Engineering Technicians	■	○

BACHELOR'S DEGREE AND ABOVE

Cost Estimators	■	○
Landscape Architects	■	▲
Surveyors	■	○
Civil Engineers	■	○
Interior Designers	■	○

Typical On-the-Job Training Needed to Attain Competency		Work Experience in a Related Occupation	
None	○	More than 5 years	▲
Short-term On-the-Job Training	●	1 to 5 years	▲
Moderate-term On-the-Job Training	●	Less than 1 year	▼
Long-term On-the-Job Training	●	None	■
Apprenticeship	◆		
Internship/Residency	▲		

Career Snapshot

The occupations reporting the highest average salaries require a Bachelor's degree or higher and prior no work experience in a related occupation. These occupations include Landscape Architects, Civil Engineers, and Cost Estimators. Landscape Architects require completion of an internship or residency in order to enter the occupation.

The occupations reporting the highest average annual openings require a high school degree or less and no prior work experience in a related occupation. These include Landscaping & Groundskeeping Workers, Carpenters, and Electricians. Landscaping & Groundskeeping Workers require short-term on-the-job training. Carpenters and Electricians require training in the form of an apprenticeship.

Occupation(s) also noted as High Demand: Carpenters & Cost Estimators

Career Clusters

Agriculture, Food & Natural Resources

Architecture & Construction

Arts, A/V Technology & Communications

Business Management & Administration

Education & Training

Finance

Government & Public Administration

Health Science

Hospitality & Tourism

Human Services

Information Technology

Law, Public Safety, Corrections & Security

Manufacturing

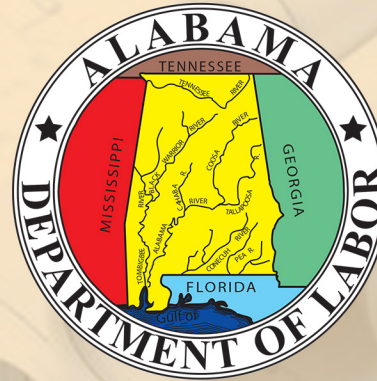
Marketing, Sales & Service

Science, Technology, Engineering & Mathematics

Transportation, Distribution & Logistics

For more information regarding
Career Clusters, visit:
www.careertech.org/career-clusters
www.altechprep.org/clusters.html

For Occupational Videos, visit:
www2.labor.alabama.gov/videos

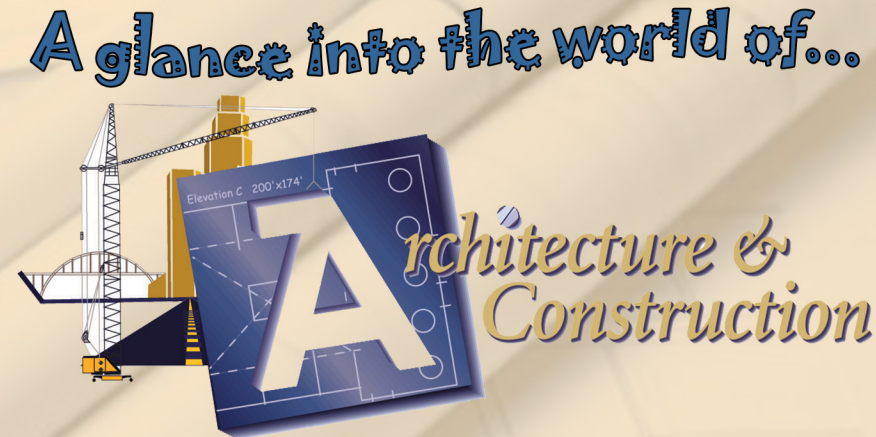


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*Average Annual Salary Source:

Wage data based on the May 2014 OES Employment & Wage File,
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Alabama Department of Labor
Labor Market Information Division

