

Computer-Aided Drafting Occupation Report



CIP 15.1302

Cochise, Pima, SC








CAD/CADD Drafting and/or Design Technology/Technician

CIP 2010: A program that prepares individuals to apply technical skills and advanced computer software and hardware to the creation of graphic representations and simulations in support of engineering projects. Includes instruction in engineering graphics, two-dimensional and three-dimensional engineering design, solids modeling, engineering animation, computer-aided drafting (CAD), computer-aided design (CADD), and auto-CAD techniques.

Occupation Gender Breakdown 2016

	Gender	Jobs	Percent
•	Males	185	81.7% 
•	Females	41	18.3% 

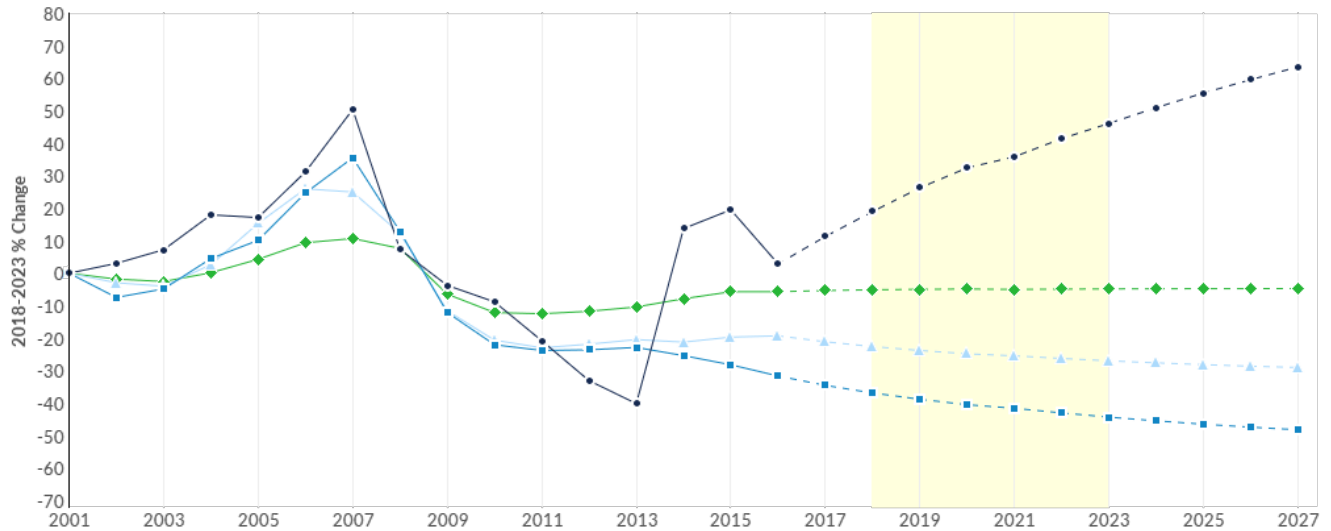
Occupation Age Breakdown 2016

	Age	Jobs	Percent
•	14-18	1	0.3% 
•	19-24	12	5.4% 
•	25-34	45	20.0% 
•	35-44	50	22.3% 
•	45-54	55	24.4% 
•	55-64	46	20.4% 
•	65+	16	7.1% 

Occupation Summary for 15.1302

226 Jobs (2016) 27% below National average	-12.0% % Change (2018-2023) Nation: 0.3%	\$26.27/hr Median Hourly Earnings Nation: \$24.54/hr
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Occupation Change Summary



	Region	2018 Jobs	2023 Jobs	Change	% Change	Median Hourly Earnings
●	Cochise County, AZ	23	29	6	26%	\$29.61
●	Cochise, Pima, SC	209	184	-25	-12%	\$26.27
●	Arizona (AZ)	1,896	1,788	-108	-6%	\$26.93
●	United States	104,180	104,476	296	0%	\$24.54

SOC	Description	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
17-3011	Architectural and Civil Drafters	Associate's degree	None	None

Occupation Breakdown - 2018 Jobs

Occupation	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
17-3011	Architectural and Civil Drafters	23	209	1,896	104,180
	Total	23	209	1,896	104,180

Occupation Breakdown - 2023 Jobs

Occupation	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
17-3011	Architectural and Civil Drafters	29	184	1,788	104,476
	Total	29	184	1,788	104,476

Occupation Breakdown - Change

Occupation	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
17-3011	Architectural and Civil Drafters	6	-25	-108	296
	Total	6	-25	-108	296

Occupation Breakdown - Median Hourly Earnings

Occupation	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
17-3011	Architectural and Civil Drafters	\$29.61	\$26.27	\$26.93	\$24.54
	Total	\$29.61	\$26.27	\$26.93	\$24.54

Top Industries – Change from 2018 - 2023

NAICS Code	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
541330	Engineering Services	5	-10	-28	349
541370	Surveying and Mapping (except Geophysical) Services	--	-1	-6	-172
236220	Commercial and Institutional Building Construction	--	--	-1	-17
236118	Residential Remodelers	--	--	3	93
541350	Building Inspection Services	--	--	-1	212
	Total	6	-11	-34	465

Source: QCEW Employees, Non-QCEW Employees & Self-Employed - Emsi 2017.3 Class of Worker

National Educational Attainment

Architectural and Civil Drafters (17-3011)

	Education Level	2016 Percent
●	Less than high school diploma	1.2%
●	High school diploma or equivalent	10.2% ■
●	Some college, no degree	28.4% ■■
●	Associate's degree	33.2% ■■■
●	Bachelor's degree	21.8% ■■
●	Master's degree	3.9% ■
●	Doctoral or professional degree	1.3%

Appendix A - Data Sources and Calculations

Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

Occupation Data

EMSI occupation employment data are based on final EMSI industry data and final EMSI staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level EMSI earnings by industry.

Completers Data

The completers data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Industry Data

EMSI industry data have various sources depending on the class of worker. (1) For QCEW Employees, EMSI primarily uses the QCEW (Quarterly Census of Employment and Wages), with supplemental estimates from County Business Patterns and Current Employment Statistics. (2) Non-QCEW employees data are based on a number of sources including QCEW, Current Employment Statistics, County Business Patterns, BEA State and Local Personal Income reports, the National Industry-Occupation Employment Matrix (NIOEM), the American Community Survey, and Railroad Retirement Board statistics. (3) Self-Employed and Extended Proprietor classes of worker data are primarily based on the American Community Survey, Nonemployer Statistics, and BEA State and Local Personal Income Reports. Projections for QCEW and Non-QCEW Employees are informed by NIOEM and long-term industry projections published by individual states.

Staffing Patterns Data

The staffing pattern data in this report are compiled from several sources using a specialized process. For QCEW and Non-QCEW Employees classes of worker, sources include Occupational Employment Statistics, the National Industry-Occupation Employment Matrix, and the American Community Survey. For the Self-Employed and Extended Proprietors classes of worker, the primary source is the American Community Survey, with a small amount of information from Occupational Employment Statistics.

State Data Sources

This report uses state data from the following agencies: Arizona Department of Administration, Office of Employment and Population Statistics