

Computer-Aided Drafting Education Report

CIP 15.1302

Cochise, Pima, SC

Architectural and Civil Drafters

SOC 17-3011: Prepare detailed drawings of architectural and structural features of buildings or drawings and topographical relief maps used in civil engineering projects, such as highways, bridges, and public works. Use knowledge of building materials, engineering practices, and mathematics to complete drawings.

Target Occupations

193 Jobs (2016) 38% below National average	<b style="color: red;">-14.4% % Change (2017-2022) Nation: 0.5%	\$21.81/hr Median Hourly Earnings Nation: \$24.76/hr
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Occupation	2017 Jobs	Annual Openings	Median Hourly Earnings	Growth (2017 - 2022)	Location Quotient (2017)
Architectural and Civil Drafters	181	3	\$21.81/hr	-14.36%	0.59

* Target Occupations - Settings

Occupational Programs						
3.00	46.00	2.00				
Programs (2015)	Completions (2015)	Openings (2015)				
CIP Code	Program	Completions (2011)	(2012)	(2013)	(2014)	(2015)
15.1303	Architectural Drafting and Architectural CAD/CADD	23	38	41	32	21
15.1301	Drafting and Design Technology/Technician, General	0	0	5	13	15
15.1302	CAD/CADD Drafting and/or Design Technology/Technician	23	36	10	3	10

Programs by Institution				
CIP Code	Title	Institution	Award Level	Completions (2015)
15.1301	Drafting and Design Technology/Technician, General	Cochise County Community College District	Award of less than 1 academic year	1
15.1301	Drafting and Design Technology/Technician, General	Pima Community College	Award of less than 1 academic year	0
15.1301	Drafting and Design Technology/Technician, General	Cochise County Community College District	Award of at least 1 but less than 2 academic years	0
15.1301	Drafting and Design Technology/Technician, General	Pima Community College	Award of at least 1 but less than 2 academic years	0
15.1301	Drafting and Design Technology/Technician, General	ITT Technical Institute-Tucson	Associates degree	13
15.1301	Drafting and Design Technology/Technician, General	Cochise County Community College District	Associates degree	1
15.1302	CAD/CADD Drafting and/or Design Technology/Technician	Cochise County Community College District	Award of less than 1 academic year	0
15.1302	CAD/CADD Drafting and/or Design Technology/Technician	Pima Community College	Award of at least 1 but less than 2 academic years	10
15.1302	CAD/CADD Drafting and/or Design Technology/Technician	Cochise County Community College District	Award of at least 1 but less than 2 academic years	0
15.1302	CAD/CADD Drafting and/or Design Technology/Technician	ITT Technical Institute-Tucson	Associates degree	0
15.1303	Architectural Drafting and Architectural CAD/CADD	Pima Community College	Award of less than 1 academic year	4
15.1303	Architectural Drafting and Architectural CAD/CADD	Pima Community College	Award of at least 1 but less than 2 academic years	0
15.1303	Architectural Drafting and Architectural CAD/CADD	Pima Community College	Associates degree	17

Regional Completions by Award Level

Award Level	Completions (2015)	Percent
• Award of at least 1 but less than 2 academic years	10	100.0% 
Award of less than 1 academic year	0	0.0%
Associates degree	0	0.0%
Award of at least 2 but less than 4 academic years	0	0.0%
Bachelors degree	0	0.0%
Postbaccalaureate certificate	0	0.0%
Masters degree	0	0.0%
Post-masters certificate	0	0.0%
Doctors degree	0	0.0%

* Regional Completions by Award Level - Settings

Regional Completions by Institution

Institution	Certificates (2015)	Degrees (2015)	Total Completions (2015)
Pima Community College	10	0	10
Cochise County Community College District	0	0	0
ITT Technical Institute-Tucson	0	0	0

** Regional Completions by Institution - Settings*

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.

State Data Sources

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