

Building Construction Technology Education Report

CIP 46.0415

Cochise, Pima, SC

Building Construction Technology

CIP 2010: A program that prepares individuals to apply technical knowledge and skills to residential and commercial building construction and remodeling. Includes instruction in construction equipment and safety; site preparation and layout; construction estimating; blueprint reading; building codes; framing; masonry; heating, ventilation, and air conditioning; electrical and mechanical systems; interior and exterior finishing; and plumbing.

Target Occupations

2,249 Jobs (2016) 4% above National average	-1.4% % Change (2017-2022) Nation: 2.6%	\$24.02/hr Median Hourly Earnings Nation: \$27.80/hr
--	--	---

Occupation	2017 Jobs	Annual Openings	Median Hourly Earnings	Growth (2017 - 2022)	Location Quotient (2017)
First-Line Supervisors of Construction Trades and Extraction Workers	2,055	26	\$23.97/hr	-1.41%	1.07
Civil Engineering Technicians	140	4	\$24.82/hr	0.00%	0.62


* Target Occupations - Settings

Programs by Institution				
CIP Code	Title	Institution	Award Level	Completions (2015)
15.0000	Engineering Technology, General	ITT Technical Institute-Tucson	Associates degree	0
15.0000	Engineering Technology, General	ITT Technical Institute-Tucson	Bachelors degree	0
15.1001	Construction Engineering Technology/Technician	Pima Community College	Associates degree	0
46.0000	Construction Trades, General	Cochise County Community College District	Award of less than 1 academic year	8
46.0000	Construction Trades, General	Tohono O'Odham Community College	Award of less than 1 academic year	0
46.0101	Mason/Masonry	Cochise County Community College District	Award of less than 1 academic year	0
46.0101	Mason/Masonry	Cochise County Community College District	Award of at least 1 but less than 2 academic years	0
46.0201	Carpentry/Carpenter	Cochise County Community College District	Award of less than 1 academic year	3
46.0201	Carpentry/Carpenter	Tohono O'Odham Community College	Award of at least 1 but less than 2 academic years	0
46.0301	Electrical and Power Transmission Installation/Installer, General	Pima Community College	Award of less than 1 academic year	61
46.0302	Electrician	Cochise County Community College District	Award of less than 1 academic year	3
46.0302	Electrician	Tucson College	Award of less than 1 academic year	0
46.0302	Electrician	Tucson College	Award of at least 1 but less than 2 academic years	80
46.0303	Lineworker	Cochise County Community College District	Award of less than 1 academic year	1
46.0399	Electrical and Power Transmission Installers, Other	Pima Community College	Award of less than 1 academic year	5
46.0401	Building/Property Maintenance	Cochise County Community College District	Award of less than 1 academic year	9
46.0401	Building/Property Maintenance	Pima Community College	Award of less than 1 academic year	0
46.0401	Building/Property Maintenance	Pima Community College	Award of at least 1 but less than 2 academic years	8
46.0401	Building/Property Maintenance	Cochise County Community College District	Award of at least 1 but less than 2 academic years	0
46.0401	Building/Property Maintenance	Pima Community College	Associates degree	14
46.0401	Building/Property Maintenance	Tohono O'Odham Community College	Award of at least 2 but less than 4 academic years	0

46.0412	Building/Construction Site Management/Manager	Pima Community College	Associates degree	0
46.0415	Building Construction Technology	Pima Community College	Award of at least 1 but less than 2 academic years	0
46.0415	Building Construction Technology	Cochise County Community College District	Associates degree	3

Occupational Programs						
12.00	195.00	21.00				
Programs (2015)	Completions (2015)	Openings (2015)				
CIP Code	Program	Completions (2011)	Completions (2012)	Completions (2013)	Completions (2014)	Completions (2015)
46.0401	Building/Property Maintenance	921	908	612	168	31
46.0302	Electrician	4	3	95	115	83
46.0000	Construction Trades, General	27	38	34	28	8
46.0415	Building Construction Technology	15	42	26	10	3
46.0399	Electrical and Power Transmission Installers, Other	0	7	16	7	5
46.0201	Carpentry/Carpenter	0	5	16	7	3
46.0303	Lineworker	0	0	2	3	1
46.0301	Electrical and Power Transmission Installation/Installer, General	0	0	0	1	61
15.1001	Construction Engineering Technology/Technician	1	0	0	0	0
46.0412	Building/Construction Site Management/Manager	0	0	0	0	0
46.0101	Mason/Masonry	0	0	0	0	0
15.0000	Engineering Technology, General	0	0	0	0	0

Regional Completions by Award Level

	Award Level	Completions (2015)	Percent
●	Associates degree	3	100.0% 
	Award of less than 1 academic year	0	0.0%
	Award of at least 1 but less than 2 academic years	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)
Cochise County Community College District	0	3	3
Pima Community College	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