

Utility Industry Education Report

CIP 46.0303

Cochise, Pima, Santa Cruz

Lineworker

CIP 2010: A program that prepares individuals to apply technical knowledge and skills to install, operate, maintain and repair local, long-distance, and rural electric power cables and communication lines; erect and construct pole and tower lines; and install underground lines and cables. Includes instruction in cable installation and repair, fibre-optic technology, trenching, mobile equipment and crane operation, high-voltage installations, maintenance and inspection, safety, remote communications, and applicable codes and standards

Target Occupations


2,295 Jobs (2016) 0% below National average		-1.4% % Change (2017-2022) Nation: 3.4%		\$24.91/hr Median Hourly Earnings Nation: \$28.83/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
Electrical Power-Line Installers and Repairers	188	9	\$36.61/hr	-1.06%	0.50

* Target Occupations – Settings

Programs by Institution				
CIP Code	Title	Institution	Award Level	Completions (2015)
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	0
46.0401	Building/Property Maintenance	Pima Community College	Award of less than 1 academic year	9
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						
10.00	195.00	41.00				
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
46.0201	Carpentry/Carpenter	0	5	16	7	3
46.0399	Electrical and Power Transmission Installers, Other	0	7	16	7	5
46.0303	Lineworker	0	0	2	3	1
46.0301	Electrical and Power Transmission Installation/Installer, General	0	0	0	1	61
46.0412	Building/Construction Site Management/Manager	0	0	0	0	0
46.0101	Mason/Masonry	0	0	0	0	0

Regional Completions by Award Level

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

* 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