

Welding Technology Education Report

CIP 48.0508

Cochise, Pima, SC

Welding Technology/Welder

CIP 2010: A program that prepares individuals to apply technical knowledge and skills to join or cut metal surfaces. Includes instruction in arc welding, resistance welding, brazing and soldering, cutting, high-energy beam welding and cutting, solid state welding, ferrous and non-ferrous materials, oxidation-reduction reactions, welding metallurgy, welding processes and heat treating, structural design, safety, and applicable codes and standards

Target Occupations



683 Jobs (2016) 51% below National average	6.0% % Change (2017-2022) Nation: 2.7%	\$17.58/hr Median Hourly Earnings Nation: \$18.51/hr				
Occupation	2017 Jobs	Annual Openings	Median Hourly Earnings	Growth (2017 - 2022)	Location Quotient (2017)	
Welders, Cutters, Solderers, and Brazers	658	28	\$17.65/hr	6.08%	0.53	
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	28	1	\$15.78/hr	7.14%	0.18	

* Target Occupations - Settings

Occupational Programs						
1.00	19.00	38.00				
Programs (2015)	Completions (2015)	Openings (2015)				
CIP Code	Program	Completions (2011)	(2012)	(2013)	(2014)	(2015)
48.0508	Welding Technology/Welder	13	17	18	17	19

Programs by Institution				
CIP Code	Title	Institution	Award Level	Completions (2015)
48.0508	Welding Technology/Welder	Cochise County Community College District	Award of less than 1 academic year	7
48.0508	Welding Technology/Welder	Cochise County Community College District	Award of at least 1 but less than 2 academic years	0
48.0508	Welding Technology/Welder	Pima Community College	Award of at least 1 but less than 2 academic years	0
48.0508	Welding Technology/Welder	Pima Community College	Associates degree	10
48.0508	Welding Technology/Welder	Cochise County Community College District	Associates degree	2

Regional Completions by Award Level

Award Level	Completions (2015)	Percent
• Award of less than 1 academic year	7	36.8% 
• Associates degree	12	63.2% 
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)
Pima Community College	0	10	10
Cochise County Community College District	7	2	9

* 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