

Fire Science Technology Education Report

CIP 43.0203

Cochise, Pima, SC

Fire Science/Fire-fighting

CIP 2010: A program focusing on the theory and practice of fires and fire-fighting. Includes instruction in fire chemistry and physics, combustible materials, computer science, building construction, fire codes and related laws, fire hydraulics, fire command, fire prevention/inspection, fire protection systems, fire suppression systems, fire/arson investigation, occupational safety, equipment operation, emergency medicine and communications.

* Program Description – Settings

Target Occupations



1,103 Jobs (2016) 7% above National average	3.0% % Change (2017-2022) Nation: 3.4%	\$18.87/hr Median Hourly Earnings Nation: \$24.01/hr			
Occupation	2017 Jobs	Annual Openings	Median Hourly Earnings	Growth (2017 - 2022)	Location Quotient (2017)
Firefighters	1,070	38	\$18.68/hr	2.90%	1.08
Fire Inspectors and Investigators	34	1	\$26.21/hr	2.94%	0.88
Forest Fire Inspectors and Prevention Specialists	<10	Insft. Data	Insft. Data	Insft. Data	Insft. Data

* Target Occupations - Settings

Occupational Programs						
2.00	113.00	49.00				
Programs (2015)	Completions (2015)	Openings (2015)				
CIP Code	Program	Completions (2011)	(2012)	(2013)	(2014)	(2015)
43.0203	Fire Science/Fire-fighting	56	66	135	91	113
43.0201	Fire Prevention and Safety Technology/Technician	0	0	0	0	0

Programs by Institution				
CIP Code	Title	Institution	Award Level	Completions (2015)
43.0201	Fire Prevention and Safety Technology/Technician	Cochise County Community College District	Award of less than 1 academic year	0
43.0201	Fire Prevention and Safety Technology/Technician	Cochise County Community College District	Award of at least 1 but less than 2 academic years	0
43.0201	Fire Prevention and Safety Technology/Technician	Cochise County Community College District	Associates degree	0
43.0203	Fire Science/Fire-fighting	Pima Community College	Award of less than 1 academic year	56
43.0203	Fire Science/Fire-fighting	Cochise County Community College District	Award of less than 1 academic year	29
43.0203	Fire Science/Fire-fighting	Cochise County Community College District	Award of at least 1 but less than 2 academic years	0
43.0203	Fire Science/Fire-fighting	Pima Community College	Associates degree	24
43.0203	Fire Science/Fire-fighting	Cochise County Community College District	Associates degree	4

Regional Completions by Award Level

Award Level	Completions (2015)	Percent
● Award of less than 1 academic year	85	75.2% 
● Associates degree	28	24.8% 
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	56	24	80
Cochise County Community College District	29	4	33

* 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