

HVAC Education Report

CIP 47.0201

Cochise, Pima, SC

Heating, Air Conditioning, and Refrigeration Mechanics and Installers

SOC 49-9021: Install or repair heating, central air conditioning, or refrigeration systems, including oil burners, hot-air furnaces, and heating stoves.

Target Occupations

1,435 Jobs (2016) 43% above National average	13.4% % Change (2017-2022) Nation: 7.0%	\$21.97/hr Median Hourly Earnings Nation: \$21.47/hr
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Occupation	2017 Jobs	Annual Openings	Median Hourly Earnings	Growth (2017 - 2022)	Location Quotient (2017)
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1,459	66	\$21.97/hr	13.43%	1.44

* Target Occupations - Settings

Occupational Programs						
2.00	8.00	83.00				
Programs (2015)	Completions (2015)	Openings (2015)				
CIP Code	Program	Completions (2011)	Completions (2012)	Completions (2013)	Completions (2014)	Completions (2015)
47.0201	Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician	123	152	124	32	6
15.0505	Solar Energy Technology/Technician	0	0	0	1	2

Programs by Institution				
CIP Code	Title	Institution	Award Level	Completions (2015)
15.0505	Solar Energy Technology/Technician	Tucson College	Award of less than 1 academic year	2
47.0201	Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician	Cochise County Community College District	Award of less than 1 academic year	6
47.0201	Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician	Pima Community College	Award of less than 1 academic year	0
47.0201	Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician	Pima Community College	Award of at least 1 but less than 2 academic years	0
47.0201	Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician	Pima Community College	Associates degree	0

Regional Completions by Award Level

Award Level	Completions (2015)	Percent
Award of less than 1 academic year	6	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	6	0	6
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