

Computer Maintenance and Repair Education Report

CIP 47.0104

Cochise, Santa Cruz Pima

Computer Installation and Repair Technology/Technician

CIP 210: A program that prepares individuals to apply technical knowledge and skills to assemble, install, operate, maintain, and repair computers and related instruments. Includes instruction in power supplies, number systems, memory structure, buffers and registers, microprocessor design, peripheral equipment, programming, and networking.

Target Occupations


436 Jobs (2016) 30% below National average	0.0% % Change (2017-2022) Nation: 1.7%	\$19.94/hr Median Hourly Earnings Nation: \$20.68/hr			
Occupation	2017 Jobs	Annual Openings	Median Hourly Earnings	Growth (2017 - 2022)	Location Quotient (2017)
Computer, Automated Teller, and Office Machine Repairers	259	6	\$13.78/hr	-0.39%	0.63
Electrical and Electronics Repairers, Commercial and Industrial Equipment	173	3	\$29.20/hr	0.00%	0.80

* Target Occupations - Settings

Occupational Programs						
2.00	307.00	17.00				
Programs (2015)	Completions (2015)	Openings (2015)				
CIP Code	Program	Completions (2011)	(2012)	(2013)	(2014)	(2015)
47.0105	Industrial Electronics Technology/Technician	13	9	104	203	304
47.0104	Computer Installation and Repair Technology/Technician	4	9	20	7	3

Programs by Institution				
CIP Code	Title	Institution	Award Level	Completions (2015)
47.0104	Computer Installation and Repair Technology/Technician	Cochise County Community College District	Award of less than 1 academic year	3
47.0104	Computer Installation and Repair Technology/Technician	Brown Mackie College-Tucson	Award of less than 1 academic year	0
47.0104	Computer Installation and Repair Technology/Technician	Pima Community College	Award of less than 1 academic year	0
47.0104	Computer Installation and Repair Technology/Technician	Cochise County Community College District	Award of at least 1 but less than 2 academic years	0
47.0104	Computer Installation and Repair Technology/Technician	Pima Community College	Award of at least 1 but less than 2 academic years	0
47.0104	Computer Installation and Repair Technology/Technician	Pima Community College	Associates degree	0
47.0105	Industrial Electronics Technology/Technician	Pima Community College	Award of less than 1 academic year	253
47.0105	Industrial Electronics Technology/Technician	Pima Community College	Award of at least 1 but less than 2 academic years	40
47.0105	Industrial Electronics Technology/Technician	Pima Community College	Associates degree	11

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	3	0	3
Brown Mackie College-Tucson	0	0	0
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