

Electronics Technology Education Report

CIP 15.0303

Cochise, Pima, SC

Electrical and Electronics Engineering Technicians

SOC 17-3023: Apply electrical and electronic theory and related knowledge, usually under the direction of engineering staff, to design, build, repair, calibrate, and modify electrical components, circuitry, controls, and machinery for subsequent evaluation and use by engineering staff in making engineering design decisions. Excludes "Broadcast Technicians" (27-4012).

Target Occupations


408 Jobs (2016) 6% below National average	-1.7% % Change (2017-2022) Nation: 2.1%	\$27.82/hr Median Hourly Earnings Nation: \$29.39/hr			
Occupation	2017 Jobs	Annual Openings	Median Hourly Earnings	Growth (2017 - 2022)	Location Quotient (2017)
Electrical and Electronics Engineering Technicians	404	11	\$27.82/hr	-1.73%	0.93

* Target Occupations – Settings

Occupational Programs						
7.00	90.00	13.00				
Programs (2015)	Completions (2015)	Openings (2015)				
CIP Code	Program	Completions (2011)	(2012)	(2013)	(2014)	(2015)
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	156	159	117	109	77
15.0399	Electrical and Electronic Engineering Technologies/Technicians, Other	0	0	0	6	13
15.1201	Computer Engineering Technology/Technician	27	39	8	4	0
15.1202	Computer Technology/Computer Systems Technology	0	0	0	0	0
15.0306	Integrated Circuit Design	3	3	1	0	0
15.0305	Telecommunications Technology/Technician	0	0	0	0	0
15.0000	Engineering Technology, General	0	0	0	0	0

Programs by Institution				
CIP Code	Title	Institution	Award Level	Completions (2015)
15.0000	Engineering Technology, General	ITT Technical Institute-Tucson	Associates degree	0
15.0000	Engineering Technology, General	ITT Technical Institute-Tucson	Bachelors degree	0
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	Cochise County Community College District	Award of less than 1 academic year	0
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	Cochise County Community College District	Award of at least 1 but less than 2 academic years	0
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	Pima Community College	Award of at least 1 but less than 2 academic years	0
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	Cochise County Community College District	Associates degree	53
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	ITT Technical Institute-Tucson	Associates degree	24
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	Pima Community College	Associates degree	0
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	ITT Technical Institute-Tucson	Bachelors degree	0
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	University of Arizona	Bachelors degree	0
15.0305	Telecommunications Technology/Technician	Cochise County Community College District	Award of less than 1 academic year	0
15.0306	Integrated Circuit Design	Pima Community College	Award of less than 1 academic year	0
15.0399	Electrical and Electronic Engineering Technologies/Technicians, Other	Pima Community College	Associates degree	0
15.0399	Electrical and Electronic Engineering Technologies/Technicians, Other	ITT Technical Institute-Tucson	Bachelors degree	13
15.1201	Computer Engineering Technology/Technician	Pima Community College	Award of less than 1 academic year	0
15.1201	Computer Engineering Technology/Technician	Pima Community College	Award of at least 1 but less than 2 academic years	0
15.1201	Computer Engineering Technology/Technician	Pima Community College	Associates degree	0
15.1201	Computer Engineering Technology/Technician	University of Arizona	Bachelors degree	0
15.1202	Computer Technology/Computer Systems Technology	Cochise County Community College District	Award of at least 1 but less than 2 academic years	0

Regional Completions by Award Level

	Award Level	Completions (2015)	Percent
●	Associates degree	77	100.0% 
	Award of less than 1 academic year	0	0.0%
	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)
Cochise County Community College District	0	53	53
ITT Technical Institute-Tucson	0	24	24
University of Arizona	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

November 30, 2016