Avionics Technology
Occupation Report

CIP 47.0609

Cochise, Pima, SC

Avionics Maintenance Technology/Technician

CIP 2010: A program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of aircraft operating, control, and electronic systems. Includes instruction in flight instrumentation, aircraft communications and homing systems, radar and other sensory systems, navigation aids, and specialized systems for various types of civilian and military aircraft.* *Program Description – Settings*

Occupation Gender Breakdown

	Gender	2016 Jobs	Percent
●	Males	292	90.4%
●	Females	31	9.6%

Occupation Age Breakdown

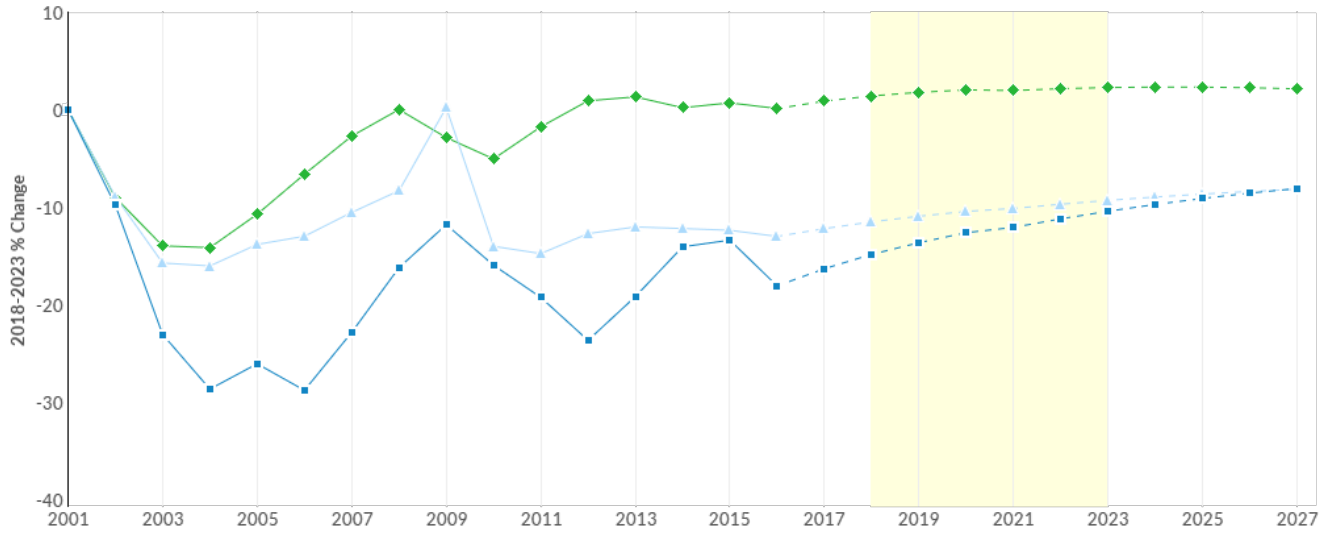
	Age	2016 Jobs	Percent
●	14-18	0	0.1%
●	19-24	29	8.9%
●	25-34	85	26.3%
●	35-44	66	20.3%
●	45-54	72	22.3%
●	55-64	64	19.8%
●	65+	8	2.3%

Occupation Summary for 47.0609

323	5.4%	$31.21/hr
Jobs (2016)	**% Change (2018-2023)**	**Median Hourly Earnings**
83% above National average	Nation: 0.8%	Nation: $25.99/hr

October 10, 2017

Occupation Change Summary



	Region	2018 Jobs	2023 Jobs	Change	% Change	Median Hourly Earnings
●	Cochise County, AZ	<10	<10	--	--	$20.04
●	Cochise, Pima, SC	336	354	18	5%	$31.21
●	Arizona (AZ)	1,405	1,440	35	2%	$27.64
●	United States	60,091	60,601	510	1%	$25.99

SOC	Description	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
49-2091	Avionics Technicians	Associate's degree	None	None
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	High school diploma or equivalent	None	Moderate-term on-the-job training

Occupation Breakdown - 2018 Jobs

Occupation	Description	Cochise, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	<10	26	683	41,784
49-2091	Avionics Technicians	<10	310	721	18,307
	Total	<10	336	1,405	60,091

Occupation Breakdown - 2023 Jobs

Occupation	Description	Cochise, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	<10	40	696	41,884
49-2091	Avionics Technicians	<10	314	743	18,716
	Total	<10	354	1,440	60,601

Occupation Breakdown - Change

Occupation	Description	Cochise, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
49-2091	Avionics Technicians	--	4	22	409
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	--	14	13	100
	Total	0	18	35	510

Occupation Breakdown - Median Hourly Earnings

Occupation	Description	Cochise, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
49-2091	Avionics Technicians	--	$31.48	$29.52	$29.21
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	--	$23.09	$25.52	$24.06
	Total	$0.00	$31.08	$27.57	$25.61

Top Industries – Change from 2018 - 2023

NAICS Code	Description	Cochise, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
336411	Aircraft Manufacturing	--	--	-4	-283
488119	Other Airport Operations	--	--	16	238
488190	Other Support Activities for Air Transportation	--	12	17	149
541330	Engineering Services	--	--	--	52
901199	Federal Government, Civilian, Excluding Postal Service	--	0	1	-51
	Total	0	11	30	106

Source: QCEW Employees, Non-QCEW Employees & Self-Employed - EMSI 2017.3 Class of Worker

National Educational Attainment

Avionics Technicians (49-2091)

Education Level	2016 Percent
Less than high school diploma	1.9%
High school diploma or equivalent	19.7%
Some college, no degree	44.3%
Associate's degree	26.2%
Bachelor's degree	7.5%
Master's degree	0.5%
Doctoral or professional degree	0.0%

** National Educational Attainment - Settings*

National Educational Attainment

Aircraft Structure, Surfaces, Rigging, and Systems Assemblers (51-2011)

Education Level	2016 Percent
Less than high school diploma	11.8%
High school diploma or equivalent	38.0%
Some college, no degree	40.0%
Associate's degree	6.2%
Bachelor's degree	3.3%
Master's degree	0.7%
Doctoral or professional degree	0.0%

** National Educational Attainment – 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.

Completers Data

The completers data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Industry Data

EMSI industry data have various sources depending on the class of worker. (1) For QCEW Employees, EMSI primarily uses the QCEW (Quarterly Census of Employment and Wages), with supplemental estimates from County Business Patterns and Current Employment Statistics. (2) Non-QCEW employees data are based on a number of sources including QCEW, Current Employment Statistics, County Business Patterns, BEA State and Local Personal Income reports, the National Industry-Occupation Employment Matrix (NIOEM), the American Community Survey, and Railroad Retirement Board statistics. (3) Self-Employed and Extended Proprietor classes of worker data are primarily based on the American Community Survey, Nonemployer Statistics, and BEA State and Local Personal Income Reports. Projections for QCEW and Non-QCEW Employees are informed by NIOEM and long-term industry projections published by individual states.

Staffing Patterns Data

The staffing pattern data in this report are compiled from several sources using a specialized process. For QCEW and Non-QCEW Employees classes of worker, sources include Occupational Employment Statistics, the National Industry-Occupation Employment Matrix, and the American Community Survey. For the Self-Employed and Extended Proprietors classes of worker, the primary source is the American Community Survey, with a small amount of information from Occupational Employment Statistics.

State Data Sources

This report uses state data from the following agencies: Arizona Department of Administration, Office of Employment and Population Statistics