

Occupation Overview

Emsi Q4 2017 Data Set

December 2017

Northeastern Workforce Development Board



512 South Church Street
Hertford, North Carolina 27944
252.426.5753

Parameters

Occupations

Code	Description
49-2091	Avionics Technicians
49-3011	Aircraft Mechanics and Service Technicians

Regions

33 items selected. See Appendix A for details.

Timeframe

2018 - 2027

Datarun

2017.4 – QCEW Employees, Non-QCEW Employees, and Self-Employed

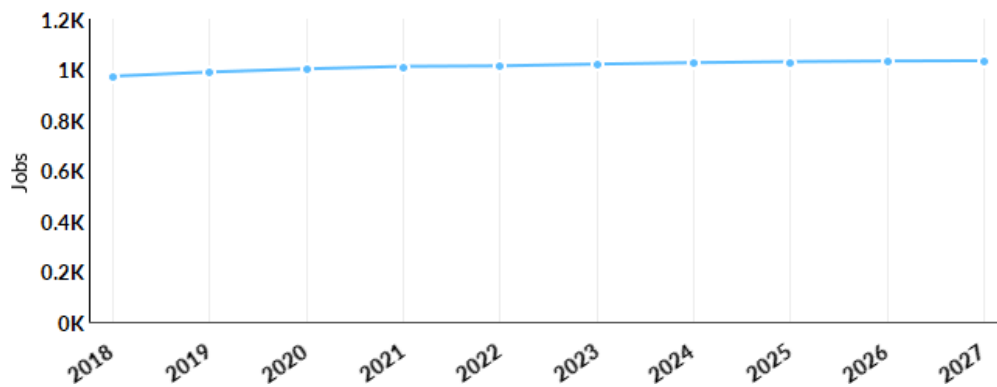
2 Installation, Maintenance, and Repair Occupations in 33 Counties

Occupation Summary for 2 Installation, Maintenance, and Repair Occupations

<p>973</p> <p>Jobs (2018)</p> <p>7% below National average</p>	<p>+6.3%</p> <p>% Change (2018-2027)</p> <p>Nation: +5.4%</p>	<p>\$27.18/hr</p> <p>Median Hourly Earnings</p> <p>Nation: \$28.92/hr</p>
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Growth

<p>973</p> <p>2018 Jobs</p>	<p>1,034</p> <p>2027 Jobs</p>	<p>61</p> <p>Change (2018-2027)</p>	<p>6.3%</p> <p>% Change (2018-2027)</p>
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Occupation	2018 Jobs	2027 Jobs	Change	% Change
Avionics Technicians (49-2091)	167	171	4	2%
Aircraft Mechanics and Service Technicians (49-3011)	806	863	57	7%

Percentile Earnings

\$23.45/hr

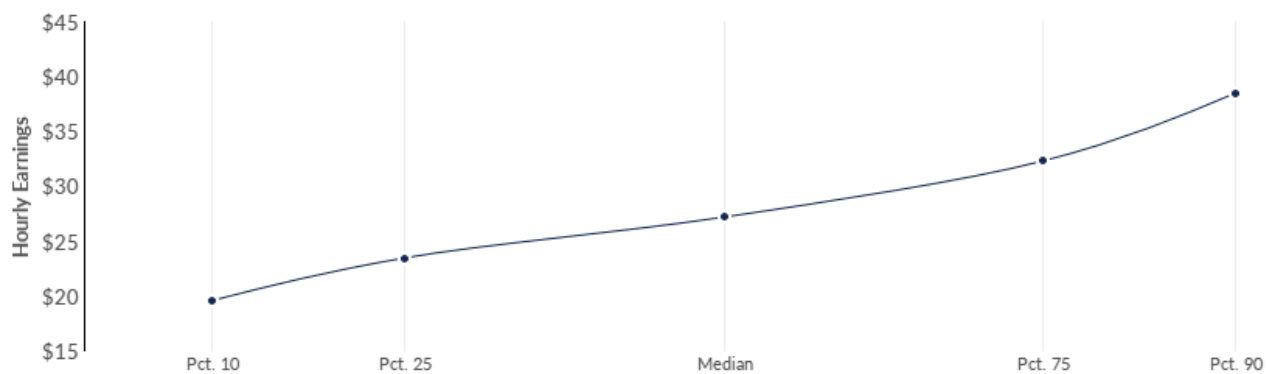
25th Percentile Earnings

\$27.18/hr

Median Earnings

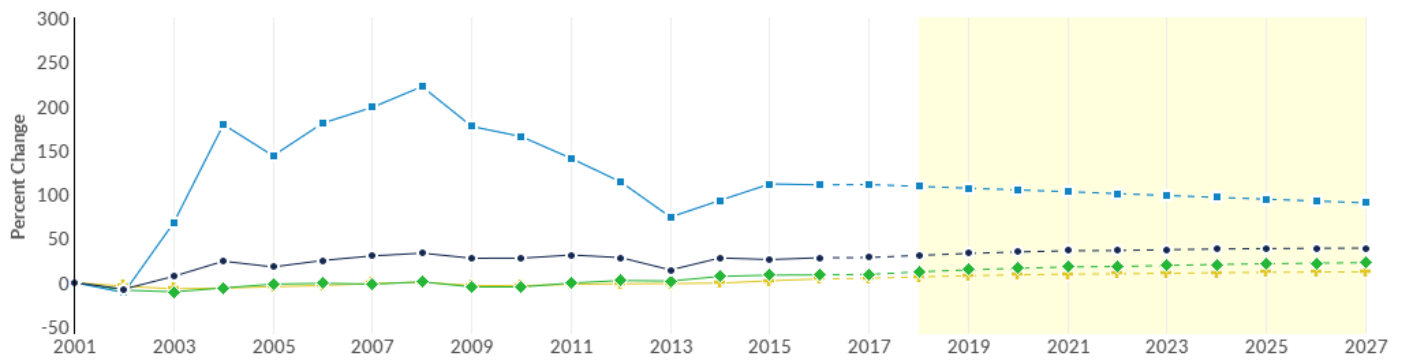
\$32.31/hr

75th Percentile Earnings



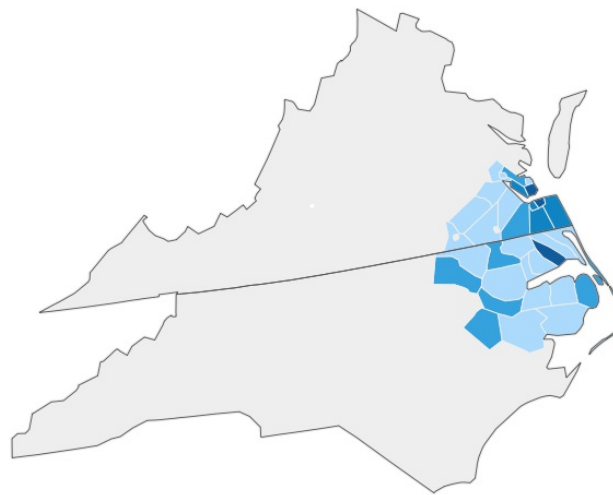
Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Avionics Technicians (49-2091)	\$21.91	\$24.99	\$28.28
Aircraft Mechanics and Service Technicians (49-3011)	\$23.85	\$27.85	\$33.38

Regional Trends



Region	2018 Jobs	2027 Jobs	Change	% Change
● Region	973	1,034	61	6.3%
■ Albemarle Region	269	245	-24	-8.9%
▲ NWDB Regions	269	245	-24	-8.9%
◆ State	7,965	8,705	740	9.3%
✚ Nation	153,484	161,742	8,258	5.4%

Regional Breakdown



County	2027 Jobs
Norfolk City County, VA	262
Pasquotank County, NC	223
Hampton City County, VA	181
Portsmouth City County, VA	99
Virginia Beach City County, VA	68

Occupation Gender Breakdown



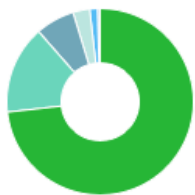
Gender	2017 Jobs	2017 Percent
● Males	903	94.7%
● Females	51	5.3%

Occupation Age Breakdown



Age	2017 Jobs	2017 Percent
14-18	1	0.1%
19-24	70	7.4%
25-34	213	22.3%
35-44	216	22.6%
45-54	271	28.4%
55-64	160	16.8%
65+	24	2.5%

Occupation Race/Ethnicity Breakdown



Race/Ethnicity	2017 Jobs	2017 Percent
White	699	73.2%
Black or African American	146	15.3%
Hispanic or Latino	65	6.8%
Asian	28	2.9%
Two or More Races	13	1.3%
American Indian or Alaska Native	3	0.3%
Native Hawaiian or Other Pacific Islander	2	0.2%

Occupational Programs

3 Programs (2016)	126 Completions (2016)	77 Openings (2016)
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CIP Code	Program	Completions (2016)
47.0607	Airframe Mechanics and Aircraft Maintenance Technology/Technician	109
47.0608	Aircraft Powerplant Technology/Technician	17
47.0609	Avionics Maintenance Technology/Technician	0

Industries Employing 2 Installation, Maintenance, and Repair Occupations

Industry	Occupation Group Jobs in Industry (2017)	% of Occupation Group in Industry (2017)	% of Total Jobs in Industry (2017)
Federal Government, Civilian, Excluding Postal Service	361	37.9%	0.6%
Other Support Activities for Air Transportation	360	37.7%	23.3%
Other Airport Operations	47	5.0%	12.5%
Scheduled Passenger Air Transportation	41	4.3%	4.6%
Engineering Services	12	1.3%	0.1%

Appendix A - Regions

Code	Description
37013	Beaufort County, NC
37015	Bertie County, NC
37029	Camden County, NC
37041	Chowan County, NC
37053	Currituck County, NC
37055	Dare County, NC
37073	Gates County, NC
37083	Halifax County, NC
37091	Hertford County, NC
37095	Hyde County, NC
37117	Martin County, NC
37131	Northampton County, NC
37139	Pasquotank County, NC
37143	Perquimans County, NC
37147	Pitt County, NC
37177	Tyrrell County, NC
37187	Washington County, NC
51081	Greensville County, VA
51093	Isle of Wight County, VA
51095	James City County, VA
51175	Southampton County, VA
51181	Surry County, VA
51183	Sussex County, VA
51199	York County, VA
51550	Chesapeake City County, VA
51650	Hampton City County, VA
51700	Newport News City County, VA
51710	Norfolk City County, VA
51735	Poquoson City County, VA
51740	Portsmouth City County, VA

Code	Description
51800	Suffolk City County, VA
51810	Virginia Beach City County, VA
51830	Williamsburg City County, VA

Appendix B - 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.

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.

State Data Sources

This report uses state data from the following agencies: North Carolina Department of Commerce, Labor and Economic Analysis Division; Virginia Employment Commission, Economic Information Services