

Go to <http://www.onetonline.org>

Under “**Occupation Quick Search**”, enter keyword(s) of occupation title and then either press “**enter**” or click the arrow immediately to the right.

For this example we want to find Aircraft Mechanics, so the keyword “**Aircraft Mechanic**” was entered.



In the list of returns, find the link that most closely matches your interest.

For this example “**Aircraft Mechanics and Service Technicians**” is our best match; click the link.

We will use this title when we perform our search on the FREIDA website later.

Quick Search for: Aircraft Mechanic

Showing top 20 occupations for **Aircraft Mechanic**. Closest matches are shown first.

| How do they match? | Code | Occupation | |
|------------------------------------|------------|---|----------------|
| | 49-3011.00 | Aircraft Mechanics and Service Technicians | |
| | 51-2011.00 | Aircraft Structure, Surfaces, Rigging, and Systems Assemblers | Green |
| | 53-6051.01 | Aviation Inspectors | |
| | 49-2091.00 | Avionics Technicians | |
| | 53-1011.00 | Aircraft Cargo Handling Supervisors | |
| | 53-2012.00 | Commercial Pilots | |
| | 55-3012.00 | Aircraft Launch and Recovery Specialists | |
| | 17-3024.00 | Electro-Mechanical Technicians | |
| | 53-2011.00 | Airline Pilots, Copilots, and Flight Engineers | |
| | 17-2011.00 | Aerospace Engineers | |
| | 53-2022.00 | Airfield Operations Specialists | |
| | 55-3011.00 | Air Crew Members | |
| | 55-3014.00 | Artillery and Missile Crew Members | |
| | 49-1011.00 | First-Line Supervisors of Mechanics, Installers, and Repairers | Bright Outlook |
| | 49-9061.00 | Camera and Photographic Equipment Repairers | |
| | 51-4041.00 | Machinists | |
| | 55-1012.00 | Aircraft Launch and Recovery Officers | |
| | 53-2021.00 | Air Traffic Controllers | |
| | 49-9043.00 | Maintenance Workers, Machinery | |
| | 49-2094.00 | Electrical and Electronics Repairers, Commercial and Industrial Equipment | |

Under “**Sources of Additional Information**”, click on the occupational link (“**Aircraft Mechanics and Service Technicians**” for this example)

Sources of Additional Information

All 1 displayed

Disclaimer: Sources are listed to provide additional information on related jobs, specialties, and/or industries. Links to non-DOL Internet sites are provided for your convenience and do not constitute an endorsement.

[Aircraft and avionics equipment mechanics and technicians](#), Bureau of Labor Statistics, U.S. Department of Labor. *Occupational Outlook Handbook, 2016-17 Edition*.

This will open a Bureau of Labor Statistics link summary page, providing National “**Quick Facts**” about the selected vocation. After reviewing the information, click on “**How to Become One**” to learn about the Education, Training, Licenses, Certifications, Registrations, Etc. requirements specific to that vocation.

BUREAU OF LABOR STATISTICS

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OCCUPATIONAL OUTLOOK HANDBOOK

Search Handbook Go

Installation, Maintenance, and Repair >

Aircraft and Avionics Equipment Mechanics and Technicians

EN ESPAÑOL PRINTER-FRIENDLY

Summary | What They Do | Work Environment | **How to Become One** | Pay | Job Outlook | State & Area Data | Similar Occupations | More Info


Summary

Quick Facts: Aircraft and Avionics Equipment Mechanics and Technicians

| | |
|---|---------------------------------------|
| 2015 Median Pay | \$58,390 per year \$28.07 per hour |
| Typical Entry-Level Education | See How to Become One |
| Work Experience in a Related Occupation | None |
| On-the-job Training | None |
| Number of Jobs, 2014 | 137,300 |
| Job Outlook, 2014-24 | 1% (Little or no change) |
| Employment Change, 2014-24 | 1,600 |

What Aircraft and Avionics Equipment Mechanics and Technicians Do

Aircraft and avionics equipment mechanics and technicians repair and perform scheduled maintenance on aircraft. They also may perform aircraft inspections as required by the Federal Aviation Administration (FAA).



Aircraft and avionics equipment mechanics and technicians perform scheduled maintenance, make repairs, and complete inspections.

Below is an excerpt from the “How to Become One” for Aircraft and Avionics Equipment Mechanics and Technicians.

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Aircraft and Avionics Equipment Mechanics and Technicians

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Summary What They Do Work Environment **How to Become One** Pay Job Outlook State & Area Data Similar Occupations More Info

How to Become an Aircraft and Avionics Equipment Mechanic or Technician

About this section ?

Many aircraft and avionics equipment mechanics and technicians learn their trade at an FAA-approved aviation maintenance technician school. Others enter with a high school education or equivalent and are trained on the job. Some workers enter the occupation after getting training in the military. Aircraft mechanics and avionics technicians typically are certified by the FAA. See [Title 14 of the Code of Federal Regulations \(14 CFR\) part 65](#), subparts D and E, for the most current requirements for becoming a certified mechanic.

Education and Training

Aircraft mechanics and service technicians often enter the occupation after attending a Part 147 FAA-approved aviation maintenance technician school. These schools award a certificate of completion that the FAA recognizes as an alternative to the experience requirements stated in regulations. The schools also grant holders the right to take the relevant FAA exams.

Some aircraft mechanics and service technicians enter the occupation with a high school diploma or equivalent and receive on-the-job training to learn their skills and to be able to pass the FAA exams. Other workers enter the occupation after getting training in the military. Aviation maintenance personnel who are not certified by the FAA work under supervision until they have enough experience and knowledge and become certified.

Avionics technicians typically earn an associate's degree before entering the occupation. Aircraft controls, systems, and flight instruments have become increasingly digital and computerized. Maintenance workers who have the proper background in aviation flight instruments or computer repair are needed to maintain these complex systems.



Aircraft mechanics and avionics technicians are able to specialize in a wide range of systems, in maintenance, alterations, or inspections.

Licenses, Certifications, and Registrations

Although aircraft and avionics equipment mechanics and technicians are not required to get licenses or certifications, most do, because these credentials often improve a mechanic's wages and chances for employment. The FAA requires that aircraft maintenance be done either by a certified mechanic with the appropriate ratings or authorizations or under the supervision of such a mechanic.

The FAA offers separate certifications for bodywork (Airframe mechanics, or "A") and engine work (Powerplant mechanics, or "P"), but employers may prefer to hire mechanics who have both Airframe and Powerplant (A&P) ratings. The A&P ratings generally certify that aviation mechanics meet basic knowledge and ability standards.

Mechanics must be at least 18 years of age, be fluent in English, and have 30 months of experience to qualify for either the A or the P rating or both (the A&P rating). If only one rating is sought by the mechanic, 18 months' experience is required to take either the Airframe or the Powerplant exam. However, completion of a program at a Part 147 FAA-approved aviation maintenance technician school can substitute for the experience requirement and shorten the time requirements for becoming eligible to take the FAA exams.

Applicants must pass written, oral, and practical exams that demonstrate the required skills. Candidates must pass all the tests within a timeframe of 2 years.

To keep their certification, mechanics must have completed relevant repair or maintenance work within the previous 24 months. To fulfill this requirement, mechanics may take classes from their employer, a school, or an aircraft manufacturer.

Avionics technicians typically are certified through a repair station for the specific work being done, or else they hold the Airframe rating to work on an aircraft's electronic and flight instrument systems. An Aircraft Electronics Technician (AET) certification is available through the [National Center for Aerospace & Transportation Technologies \(NCATT\)](#). It certifies that aviation mechanics have a basic level of knowledge in the subject area, but it is not required by the FAA for any specific tasks. Avionics technicians who work on communications equipment may need to have the proper radiotelephone operator certification issued by the Federal Communications Commission (FCC).

Other licenses and certifications are available to mechanics who wish to increase their skill set or advance their careers. The Inspection Authorization (IA) is available to mechanics who have had their A&P ratings for at least 3 years and meet other requirements. These mechanics are able to sign off on many major repairs and alterations. Mechanics can get numerous other certifications, such as Repairmen of light-sport aircraft and Designated Airworthiness Representative (DAR).

From the previous O*NET page, under the “**Wages & Employment Trends**” heading and to the right of “**State wages**” click on “**Local Salary Info**”

Wages & Employment Trends

Median wages (2015) \$28.06 hourly \$58,370 annual

State wages [Local Salary Info](#)

Employment (2014) 120,000 employees

Projected growth (2014-2024) Little or no change (-1% to 1%)


Projected job openings (2014-2024) 30,100

State trends [Employment Trends](#)

Top industries (2014) [Transportation and Warehousing](#)
[Manufacturing](#)

A Popup will appear, utilize the pull down menu to select “**Florida**” then click “**Go**”.

Find state and national employment trends:



Click on “**Open in new tab**” at the bottom of the popup.



A Full sized web page will open showing wage data for the selected occupation for both the United States and the state of Florida.


You may enter the zip code in the “**Location**” field and click “**Search**”.

If there is wage data available for that location it will be displayed, otherwise

“**No Data Available**” will be displayed .

Search by Occupation
Aircraft Mechanics and Service Technician

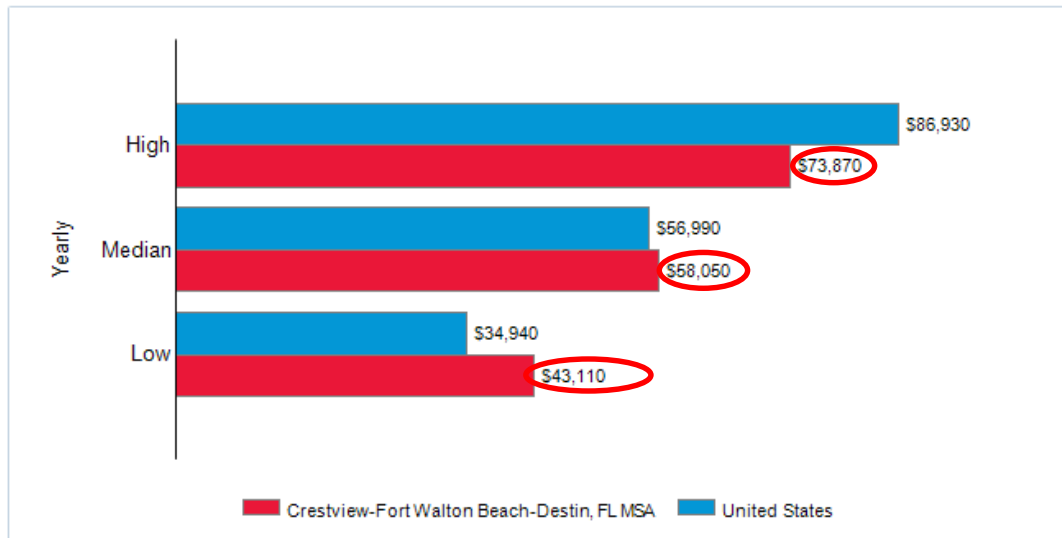
Location
32547

Search 

Wages for Aircraft Mechanics and Service Technicians in 32547

[View Hourly Wages](#)

[View Table](#) : [View Chart](#) : [View Map](#)



From the previous O*NET page, under the “**Wages & Employment Trends**”

heading and to the right of “**State trends**” click on “**Employment Trends**”

Wages & Employment Trends

Median wages (2015) \$28.06 hourly, \$58,370 annual

State wages



Employment (2014) 120,000 employees

Projected growth (2014-2024) Little or no change (-1% to 1%)

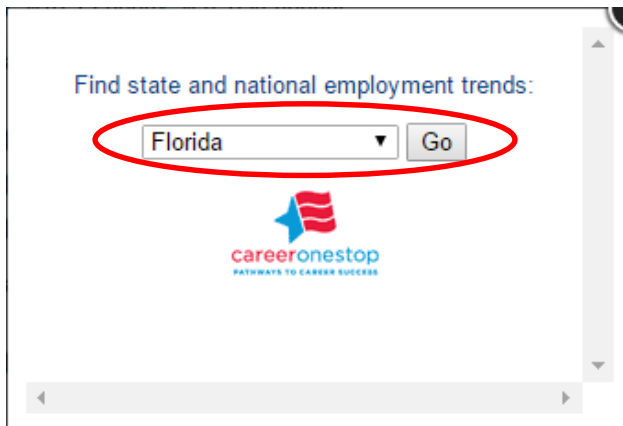
Projected job openings (2014-2024) 30,100

State trends



Top industries (2014) [Transportation and Warehousing](#)
[Manufacturing](#)

A Popup will appear; utilize the pull down menu to select “Florida” then click “Go”.



Find state and national employment trends:

Florida Go

careeronestop
PATHWAYS TO CAREER SUCCESS

This will return “**State and National Trends**” for the occupation selected.

Note: Do not trust percentages alone; look at the actual number of jobs. In the example below a +10% growth rate is projected for Florida, suggesting 410 more jobs will be added per year.

State and National Trends

| United States | Employment | | Percent Change | Projected Annual Job Openings ¹ |
|--|------------|---------|----------------|--|
| | 2014 | 2024 | | |
| Aircraft Mechanics and Service Technicians | 119,900 | 121,500 | +1% | 3,010 |
| Florida | Employment | | Percent Change | Projected Annual Job Openings ¹ |
| | 2012 | 2022 | | |
| Aircraft Mechanics and Service Technicians | 10,110 | 11,140 | +10% | 410 |

¹Projected Annual Job Openings refers to the average annual job openings due to growth and net replacement.

Note: The data for the State Employment Trends and the National Employment Trends are not directly comparable.

The projections period for state data is 2012-2022, while the projections period for national data is 2014-2024.

Go to <http://freida.labormarketinfo.com/default.asp>

Under “Labor Market Data” click on “Occupational Employment Statistics (OES) and Wage”

FREIDA
Florida Research and Economic Information Database Application

Labor Market Data
Research labor market, economic, and demographic data and compare information over time and by geography.

- Statistical Programs such as:
 - Quarterly Census & Employment and Wages (QCEW)
 - Current Employment Statistics (CES)**
 - Occupational Employment Statistics (OES) and Wage**
 - Projections by Industry and Occupation
 - Local Area Employment Statistics (LAUS)
 - Mass Layoffs Statistics (MLS)

Products and Services
Florida's Labor Market Statistics Center(LMS) produces products and offers services to support workforce and economic development.

- FL Census Data Center
- Publications
- GIS
- STEM
- Help Wanted Online
- Economic Impact Analysis
- Labor Supply Studies
- Labor Market Training
- LMS from A-to-Z

Statistical Programs Website → More →

Under “Current Data Analysis” click on “Occupation Specific Data”

Then Click on “Employment and Wage Data”

FREIDA
Florida Research and Economic Information Database Application

Please select one of the session options below.

- Quick Menu**
 - Labor Market Facts
 - Current Data Analysis**
 - Area Profile
 - Occupation Profile
 - Industry Profile
 - Comparisons
 - Education and Training Data
 - Employers
 - Area Specific Data
 - Industry Specific Data
 - Occupation Specific Data**
 - Historic Data Analysis
 - Employment and Wage Data
 - Economic Indicators
 - Demographics
 - Other Services
 - Assistance Center

- Job Duties and Description** - Select this option to view the duties required for an occupation and a description of the work.
- Jobs, Employers and Candidates** - Select this option to view information on the jobs, employers, candidates and the supply and demand for an occupation.
- Education, Training and Work Experience** - Select this option to view information on the education, training and work experience required for an occupation and the programs and providers available.
- Employment and Wage Data** - Select this option to view the current and future employment, wage rates and major industries for an occupation.
- Nature of the Work** - Select this option to view detailed information on the nature of the work for an occupation including job duties, work activities, tasks, working conditions, work values and needs, tools and technologies and occupational videos.
- Job Requirements** - Select this option to view detailed information on the job requirements for an occupation including skills, licensing, knowledge, abilities, experience, work interests and styles.
- Other Information** - Select this option to view other information about an occupation including external web resources and related occupations.

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Next, click on “Wages”

The screenshot shows the FREIDA (Florida Research and Economic Information Database Application) interface. On the left is a navigation menu with sections: 'Quick Menu' containing 'Labor Market Facts', and 'Current Data Analysis' containing 'Area Profile', 'Occupation Profile', 'Industry Profile', 'Comparisons', 'Education and Training Data', 'Employers', and 'Area Specific Data'. The main content area is titled 'Please select from the Employment and Wage Data options listed below.' It features four options, each with an icon and a description: 1. 'Wages' (icon of a money bag) - 'Select this option to view wage rate data for an occupation.' The word 'Wages' is circled in red. 2. 'Industries' (icon of a factory) - 'Select this option to view the top industries that employ individuals in an occupation.' 3. 'Employment and Future Employment Outlook' (icon of a line graph) - 'Select this option to view the current employment and projected employment of an occupation.' 4. 'Projected Annual Openings' (icon of a bar chart) - 'Select this option to view the potential number of openings for an occupation.' At the bottom of the main area is a blue button labeled 'Select another Labor Market Analysis Option'.

Next, under “Search for an occupation by keyword(s)” enter your keyword(s) then click on “Search”.

Note: Best practice is to use keyword(s) that matches the O*NET title for the job you are interested.

For this example, we are searching for “Aircraft Mechanics and Service Technicians” (O*NET Code 49-3011.00); “Aircraft Mechanic” was entered for the keyword search.

This screenshot shows the search interface of the FREIDA application. The left navigation menu is identical to the previous screenshot. The main content area is titled 'Please choose a specific occupation by selecting one of the options below.' It includes a help icon and the text 'For help click the question mark icon.' Below this are six tabs: 'Occupations by Keyword' (selected), 'Occupations by Group', 'Occupation Listing', 'Occupations by Education Program', 'Occupations by Military Specialty', and 'Occupations by Occupation Code'. Under the 'Occupations by Keyword' tab, the 'Area (click to change):' is set to 'Florida'. There are two unchecked checkboxes: 'Display only Occupations with a Bright Outlook' and 'Display Green Occupations only'. A search box is labeled 'Search for an occupation by keyword(s)'. Below the box is the instruction 'Type a job title or occupational keywords in the box and click the Search button.' The text 'Aircraft Mechanic' is entered into the search box and is circled in red. A blue 'Search' button is located below the search box and is also circled in red.

A list of returns will be presented, click on the link that you are interested in.

FREIDA
Florida Research and Economic Information Database Application

Please choose a specific occupation by selecting one of the options below.

For help click the question mark icon.

Occupations by Keyword | **Occupations by Group** | Occupation Listing | Occupations by Education Program | Occupations by Military Specialty | Occupations by Occupation Code

Area (click to change): [Florida](#)

☐ Display only Occupations with a Bright Outlook ☐ Display Green Occupations only

Search for an occupation by keyword(s)

Here is a list of occupations that matched your keyword search. Occupations are ranked based on how well they matched the keyword. The table below also indicates whether the keyword was found in the title, related job titles, or description of each occupation.

You may click on the matched indicator in the Related Job Titles and Occupation Description columns to view the corresponding matches. To select an occupation, click on its title.

| Score | Occupation | Occupation Title | Related Job Titles | Occupation Description |
|-------|---|------------------|--------------------|------------------------|
| 100% | Aircraft Structure, Surfaces, Rigging, and Systems Assemblers | | ✓ | |
| 73% | Aircraft Mechanics and Service Technicians | ✓ | ✓ | |
| 20% | Aviation Inspectors | | ✓ | |
| 20% | Avionics Technicians | | ✓ | |

● BRIGHT OUTLOOK NATIONALLY |
 ● BRIGHT OUTLOOK STATEWIDE |
 ● GREEN OCCUPATIONS

[\[Change search criteria \]](#)

Under “**Employment Wage Statistics**” you will see the Entry/Mean/Experienced wage data for the state of Florida

Note: Read the text displayed below the “**Show Display Options**” – there may not be state specific information available for the specified vocation. If not, FREIDA will substitute the most closely matching category.

Partial Occupational Profile for Aircraft Mechanics and Service Technicians in Florida

Occupational Wage Data

Employment Wage Statistics

[Show Display Options](#)

The table below shows the estimated 2016 Employment Wage Statistics for individuals employed as Aircraft Mechanics and Service Technicians in Florida.

| Rate Type / Statistical Type | Entry level | Mean | Experienced |
|------------------------------|-------------|----------|-------------|
| Annual wage or salary | \$35,868 | \$56,403 | \$66,670 |
| Hourly wage | \$17.24 | \$27.11 | \$32.05 |

Source: FL Labor Market Statistics, Occupational Employment Statistics & Wages Program

Entry level and experienced wage rates represent the means of the lower 1/3 and upper 2/3 of the wage distribution, respectively
Data is from an annual wage survey

[\[Top \]](#) [\[Bottom \]](#)

Under “Wage Rates Area Distribution” Click on the “+” to the left of “Show Display Options”

| Wage Rates Area Distribution | | |
|---|-------------------------------------|-----------------------|
| <div><div></div>Show Display Options</div> | | |
| The table below shows the distribution of the estimated 2016 mean annual labor market wage rates for individuals employed as Aircraft Mechanics and Service Technicians in Florida by County. | | |
| To sort on any column, click a column title. | | |
| Rank | Area Name | 2016 Mean Annual Wage |
| 1 | Marion County | \$71,933 |
| 2 | Collier County | \$64,888 |
| 3 | Okaloosa County | \$61,747 |
| 4 | Orange County | \$60,952 |
| 5 | Seminole County | \$60,952 |
| 6 | Pinellas County | \$60,150 |
| 7 | Hillsborough County | \$60,150 |
| 8 | Manatee County | \$59,722 |
| 9 | Sarasota County | \$59,722 |
| 10 | Brevard County | \$58,062 |
| Source: FL Labor Market Statistics, Occupational Employment Statistics & Wages Program | | |
| Entry level and experienced wage rates represent the means of the lower 1/3 and upper 2/3 of the wage distribution, respectively | | |
| Data is from an annual wage survey | | |
| <div>[Top Bottom]</div> | | |

Under “**Number of Records**” use the pull down menu to select “**All**”

You can now see the Mean Annual Salary for all reported counties.

Click on the county of interest to display their Entry/Mean/Experienced wage data.

For this example, we selected “**Okaloosa County**”.

Wage Rates Area Distribution

[Hide Display Options](#)

Wage distribution by: Data item to display: **Number of Records:**

Records to Display:

The table below shows the distribution of the estimated 2016 mean annual labor market wage rates for individuals employed as Aircraft Mechanics and Service Technicians in Florida by County.

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| 9 | Sarasota County | \$59,722 |
| 10 | Brevard County | \$58,062 |
| 11 | Palm Beach County | \$57,143 |
| 12 | Miami-Dade County | \$57,107 |
| 13 | Broward County | \$56,841 |
| 14 | Bay County | \$55,038 |
| 15 | Escambia County | \$53,156 |
| 16 | Lee County | \$52,748 |
| 17 | Duval County | \$49,514 |
| 18 | Polk County | \$47,202 |
| 19 | Volusia County | \$45,223 |

Source: FL Labor Market Statistics, Occupational Employment Statistics & Wages Program

Entry level and experienced wage rates represent the means of the lower 1/3 and upper 2/3 of the wage distribution, respectively

Data is from an annual wage survey

[[Top](#) | [Bottom](#)]

Under “**Employment Wage Statistics**” you will see the Entry/Mean/Experienced wage data for the county selected.

Note: Read the text displayed below the “**Show Display Options**” – there may not be county specific information available for the specified vocation. If not, FREIDA will substitute the most closely matching category.

Employment Wage Statistics

[+ Show Display Options](#)

The table below shows the estimated 2016 Employment Wage Statistics for individuals employed as Aircraft Mechanics and Service Technicians in Okaloosa County.

| Rate Type / Statistical Type | Entry level | Mean | Experienced |
|------------------------------|-------------|----------|-------------|
| Annual wage or salary | \$51,760 | \$61,747 | \$66,740 |
| Hourly wage | \$24.89 | \$29.68 | \$32.09 |

Source: FL Labor Market Statistics, Occupational Employment Statistics & Wages Program

Entry level and experienced wage rates represent the means of the lower 1/3 and upper 2/3 of the wage distribution, respectively

Data is from an annual wage survey

[[Top](#) | [Bottom](#)]