Go to http://www.onetonline.org

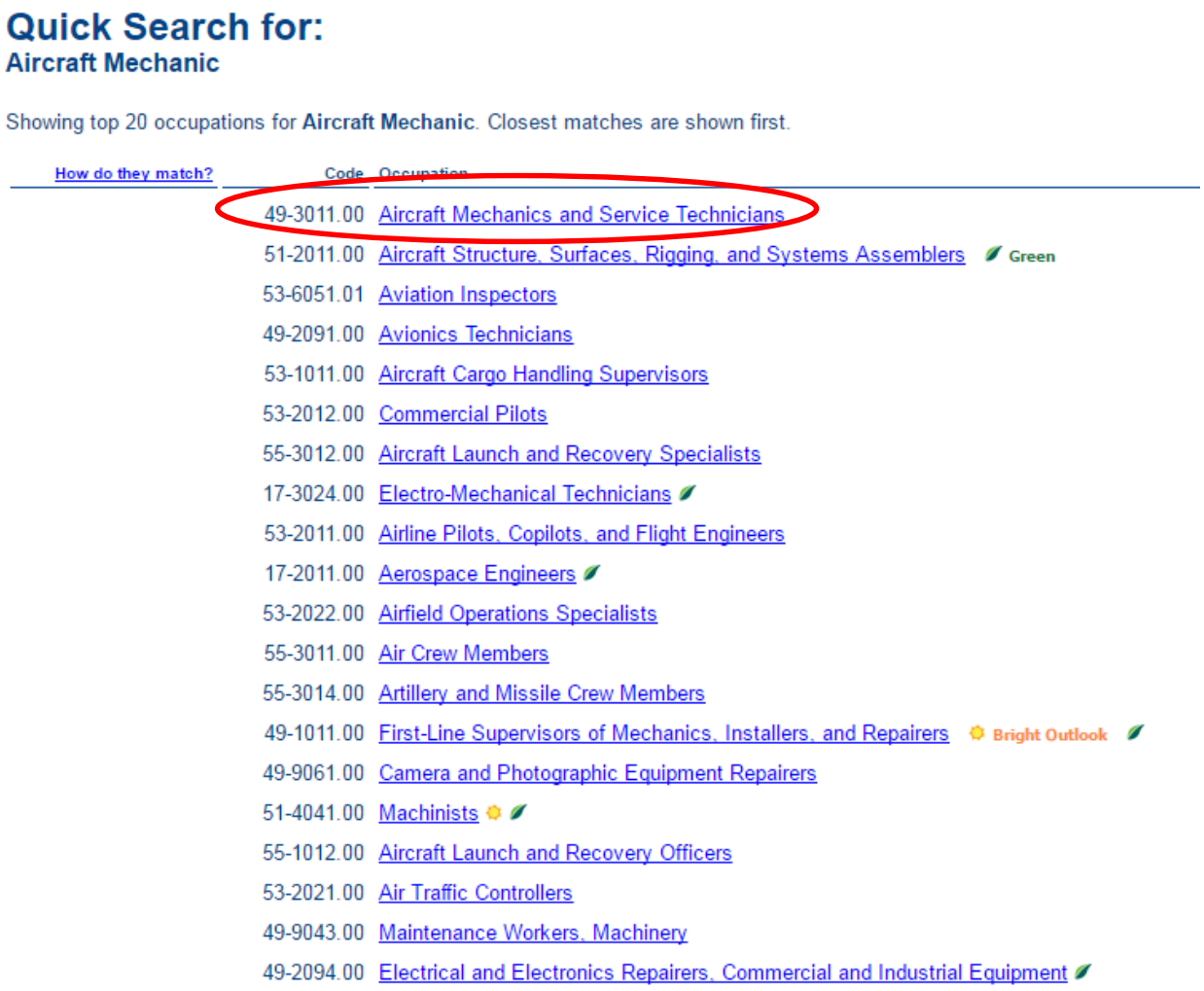
Under "**Occupation Quick Search**", enter keyword(s) of occupation title and then either press "**enter**" or click the arrow immediately to the right.

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.

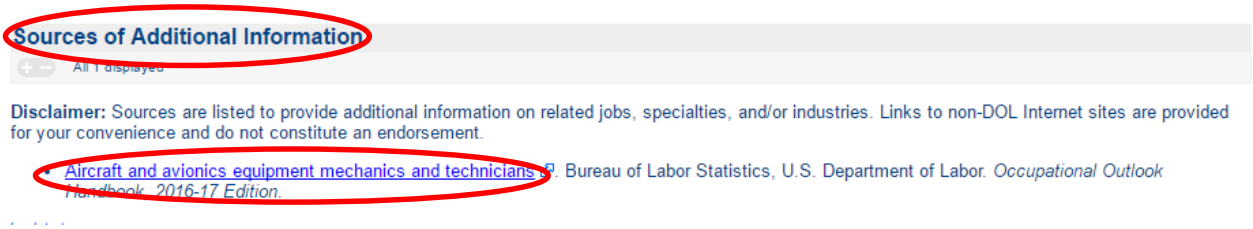


Quick Search for:
Aircraft Mechanic

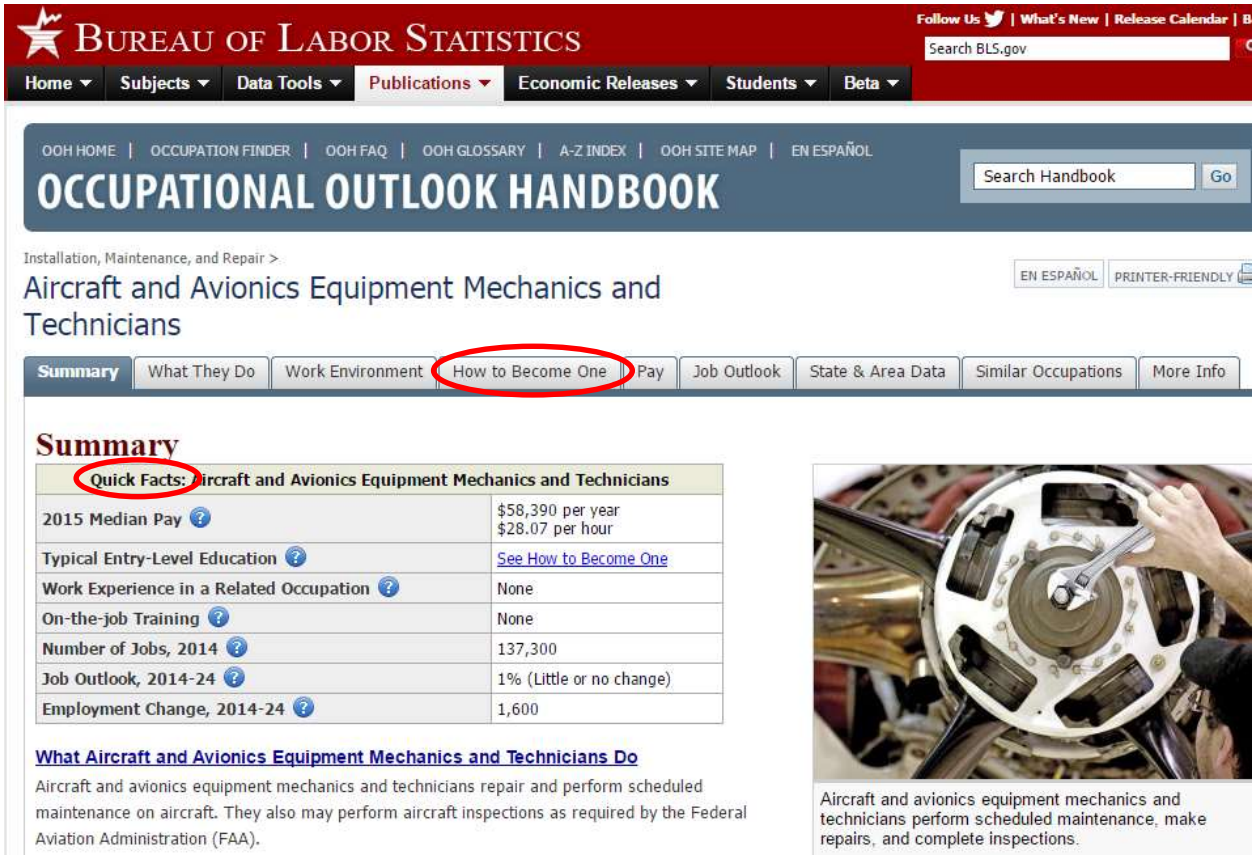
Showing top 20 occupations for **Aircraft Mechanic**. Closest matches are shown first.

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)



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.



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

Aircraft and Avionics Equipment Mechanics and Technicians

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.

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

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.

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.

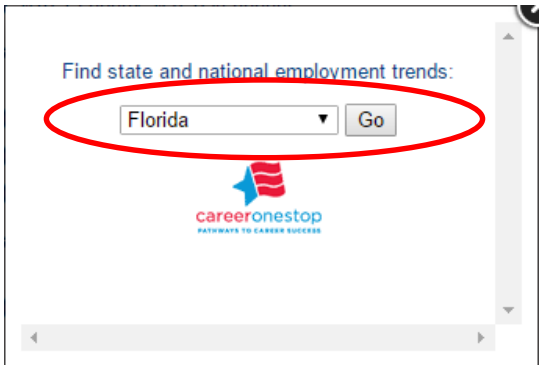
To keep their certification, mechanics must have completed relevant repair or maintenance work within the previous 24 months. To fulfill this requirement, mechanics may take classes from their employer, a school, or an aircraft manufacturer.

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**"

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

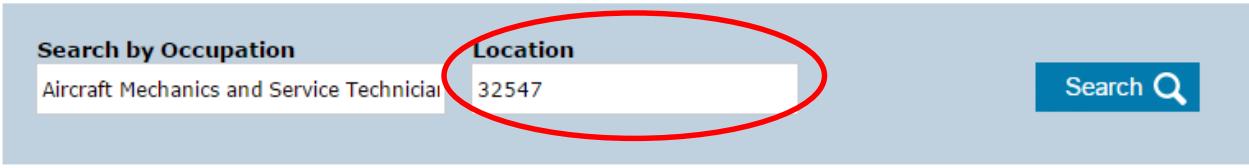


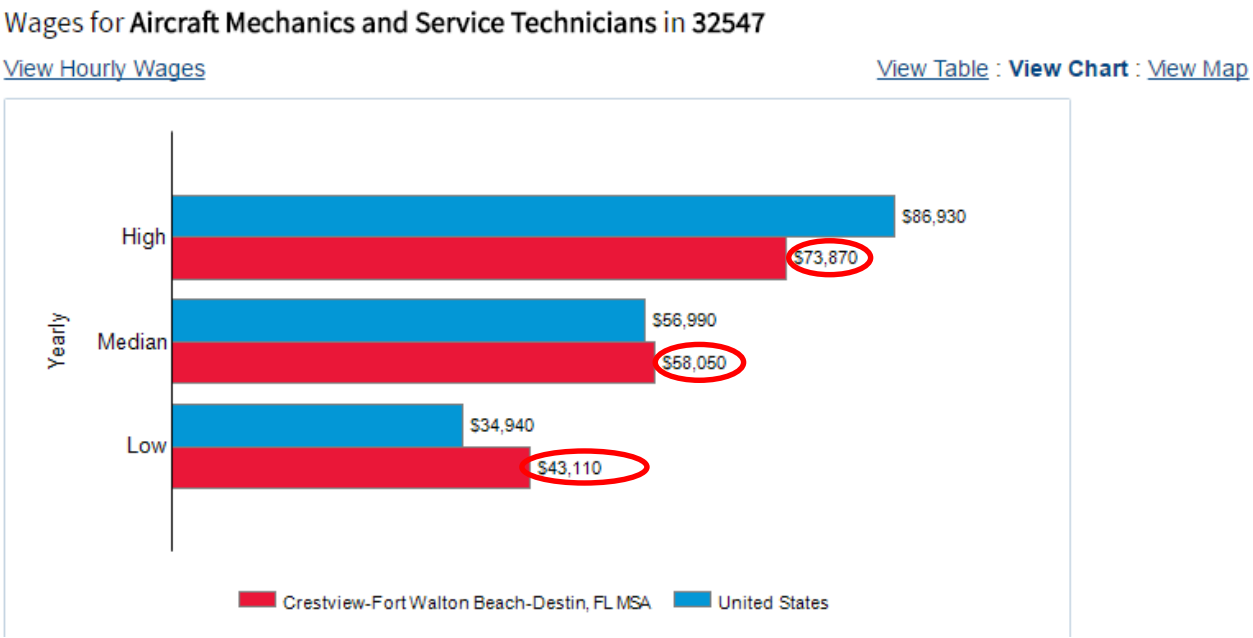
Click on "**Open in new tab**" at the bottom of the popup.

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**".

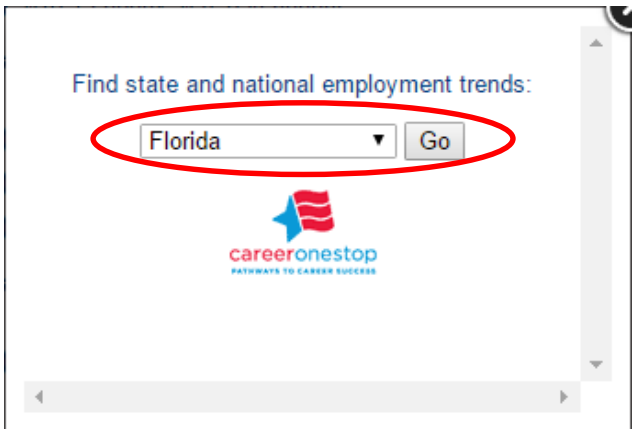
If there is wage data available for that location it will be displayed, otherwise "**No Data Available**" will be displayed .





From the previous O*NET page, under the "**Wages & Employment Trends**" heading and to the right of "**State trends**" click on "**Employment Trends**"

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



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

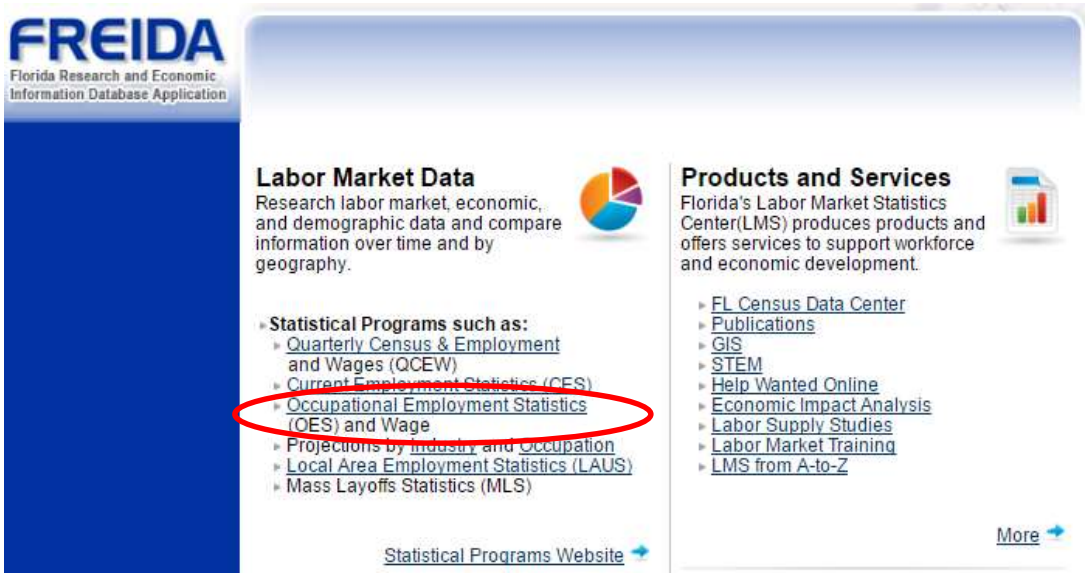
United States	Employment		Percent Change	Projected Annual Job Openings [1]
	2014	2024		
Aircraft Mechanics and Service Technicians	119,900	121,500	+1%	3,010
Florida	**Employment**		**Percent Change**	**Projected Annual Job Openings [1]**
	2012	**2022**		
Aircraft Mechanics and Service Technicians	10,110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

[1]Projected 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

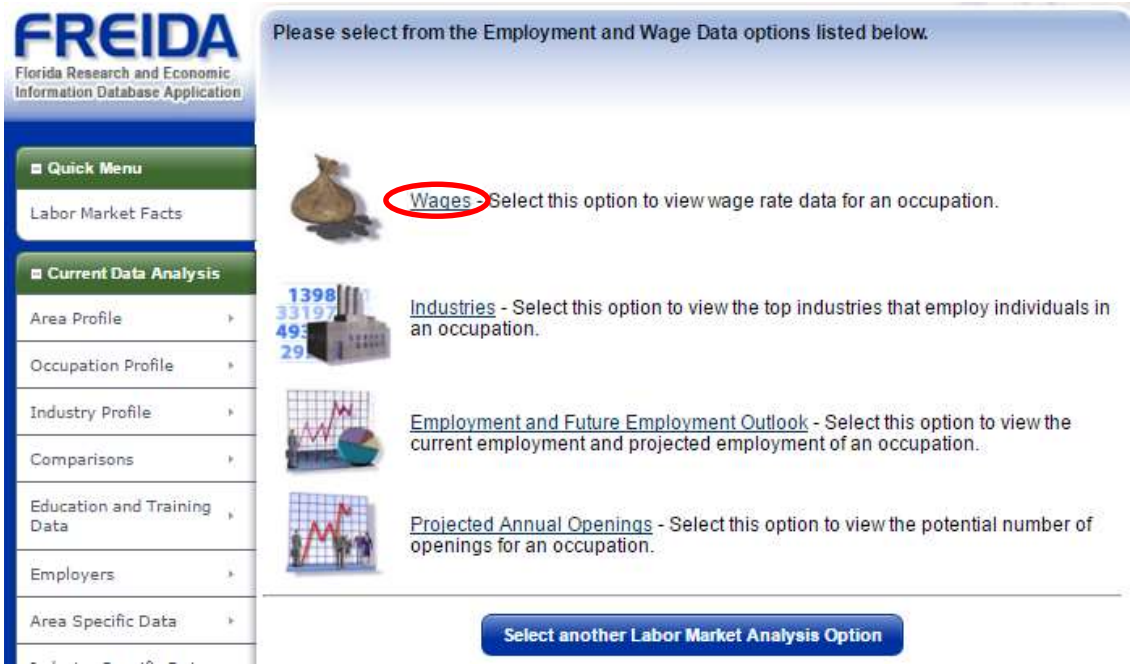
Under "**Labor Market Data"** click on "**Occupational Employment Statistics (OES) and Wage"**



Under "**Current Data Analysis**" click on "**Occupation Specific Data**"

Then Click on "**Employment and Wage Data**"

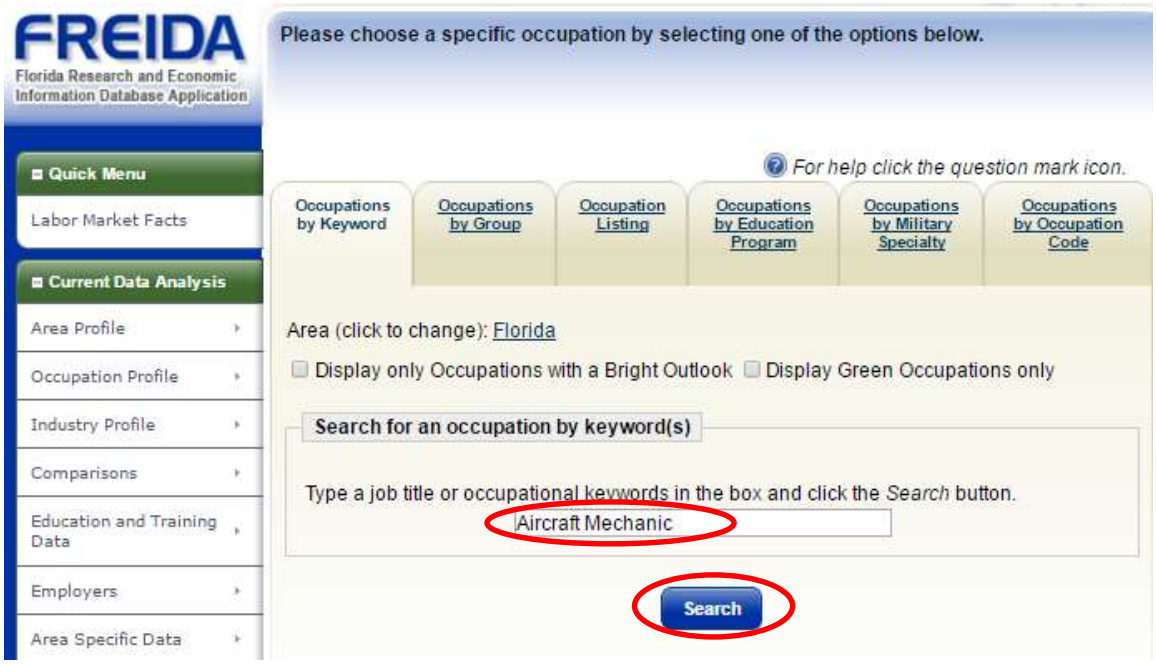
Next, click on "**Wages**"



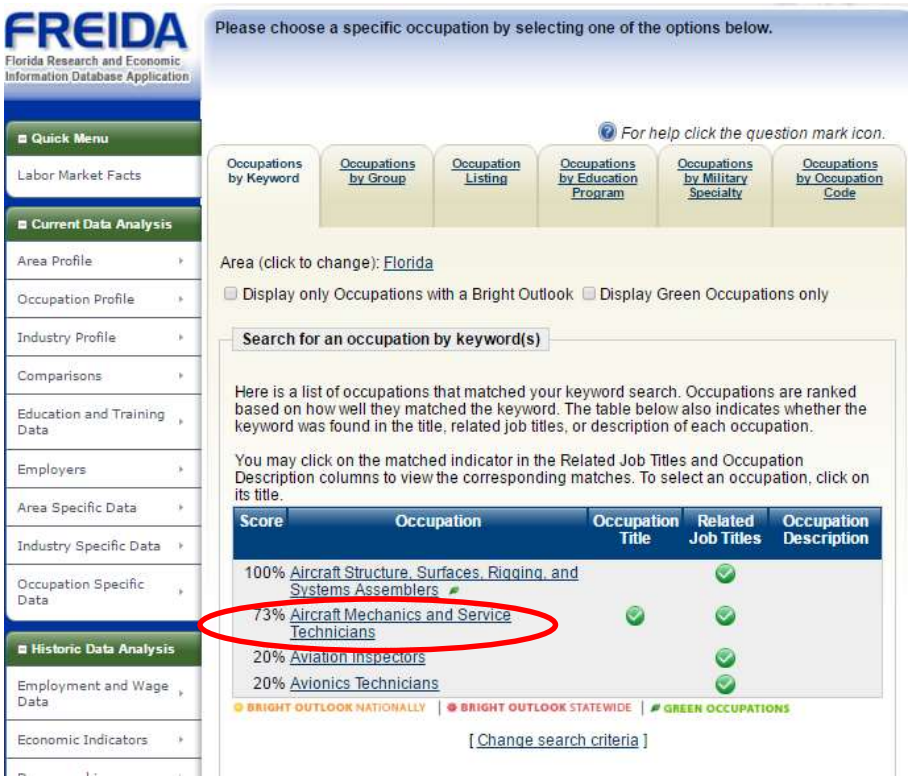
Next, under "**Search for an occupation by keyword(s)**" enter your keyword(s) then click on "**Search**".

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.



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



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.

Under "**Wage Rates Area Distribution**" Click on the "**+**" to the left of "**Show Display Options**"

Wage Rates Area Distribution

Show Display Options

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

[Top | Bottom]

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: County

Data item to display: Mean (Annual)

Number of Records: ALL

Records to Display: Highest

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
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]