

**Aviation Powerplant Mechanics (5734) | Workforce Certificate**

**PROGRAM DESCRIPTION**

The Aviation Powerplant Mechanics Workforce Certificate (W.C.) program is approved by the Federal Aviation Administration (FAA) under 14 CFR Part 147. The program provides hands-on training by experienced professionals that gives students knowledge to maintain both reciprocating and turbine engines including engine fundamentals, ignition systems, fuel metering, fire protection, troubleshooting and FAA regulations. Upon successful completion of the program, the student is then eligible to take the FAA certification exams and become an FAA Certified Mechanic with the Powerplant rating.

**Mission/Purpose**

The mission of this program is to serve the air transportation industry with highly trained individuals who have the knowledge and skills for an entry-level position in the aviation maintenance industry. The program produces qualified powerplant technicians who are ready to perform aviation maintenance through practical training and education on Federal Aviation Administration standard methods, techniques and skills via realistic experience with aircraft, engines and their subsystems.

**Application**

Available online at [fscj.edu/admissions](http://fscj.edu/admissions)

**Entry Requirements**

- U.S. citizen or legal immigrant
- High school diploma or high school equivalency
- Test of Adult Basic Education (TABE) or ACT, SAT or PERT scores from within the past two years or an A.A, A.S. or bachelor's degree
- Background check and drug screening
- Check with program to learn about course or program prerequisites.

**Total Clock/Contact Hours: 1,440**

**JOB PROFILE**

Duval and Nassau Counties

**Aviation Mechanic**

Local employment (2016).....	1,485
Number of job openings.....	69/year
Job growth (2015-2025).....	18%

**Expected salaries:**

- \$14.70/hr. (entry)<sup>1</sup>
- \$21.51/hr. (average)
- \$24.20/hr. (10+ years)<sup>2</sup>

Source: EMSI Developer

**Potential employers:**

- AvMax
- Boeing
- Flight Star Aircraft Services
- M2 Services Corporation
- Northrop Grumman
- Team JAS

Source: Indeed.com

<sup>1</sup> Average of 10th & 25th percentile salaries  
<sup>2</sup> Average of 50th & 75th percentile salaries

As of 12/14/2016

## COURSES

*A minimum grade of a "C" or better is required*

- AMT 0701 - Aviation Maintenance Technology General I, Clock/Contact Hours: 120
- AMT 0702 - Aviation Maintenance Technology General II, Clock/Contact Hours: 120
- AMT 0703 - Aviation Maintenance Technology General III, Clock/Contact Hours: 120
- AMT 0704 - Aviation Maintenance Technology General IV, Clock/Contact Hours: 120
- AMT 0821 - Aviation Maintenance Technology Powerplant I, Clock/Contact Hours: 240
- AMT 0822 - Aviation Maintenance Technology Powerplant II, Clock/Contact Hours: 240
- AMT 0823 - Aviation Maintenance Technology Powerplant III, Clock/Contact Hours: 240
- AMT 0824 - Aviation Maintenance Technology Powerplant IV, Clock/Contact Hours: 240

**Total Clock/Contact Hours: 1,440**

## FREQUENTLY ASKED QUESTIONS

### What are the program completion requirements?

To earn a W.C. in Aviation Powerplant Mechanics, students must complete the following:

1. Fulfill all academic requirements for the chosen program of study as outlined in the Florida State College at Jacksonville catalog and curriculum.
2. Earn minimum prescribed Clock/Contact hours for the chosen program of study with a cumulative grade point average of 2.0 ("C") on a 4.0 scale on all courses that apply to the chosen program of study.
3. Complete a minimum of 25 percent of the total Clock/Contact hours required for a certificate's program requirements at Florida State College at Jacksonville.
4. Fulfill all obligations, financial or otherwise, to the College before they may graduate.
5. Earn a TABE (Test of Adult Basic Education) score that meets or exceeds the program's exit requirement, if applicable.

### Where are the educational courses held?

FSCJ Cecil Center, 13510 Aerospace Way, 32221

### When is enrollment?

Fall Term  
Spring Term  
Summer Term

### How long is the training?

Program Length: 12 Months  
Total Clock/Contact Hours: 1,440

### What other programs are related to this field?

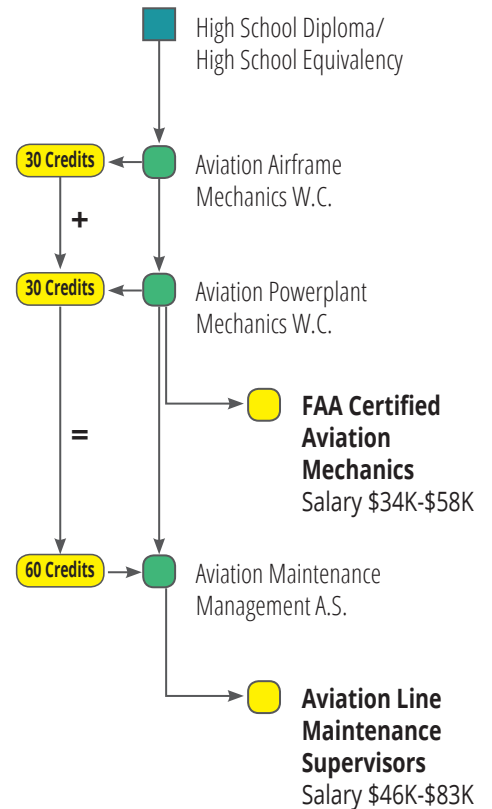
Aviation Airframe Mechanics W.C.  
Bridge Option: Aviation Maintenance Management A.S.

### What are the costs for the program?

The approximate cost of tuition and fees is \$5,883.\* Besides tuition and fees, students have to pay for things like living expenses, transportation, supplies and books. Book costs vary widely by program and course selection as well as choice of electives. Many students attending FSCJ qualify for financial aid, which can greatly reduce out-of-pocket expenses. This program is Federal financial aid eligible. Check our website to learn more about full cost of attendance and whether you may qualify for financial assistance.

*\*Tuition reflects Florida resident rates and are subject to change. Certain classes that require labs may have additional fees for lab supplies. Additional fees are published in the class schedule.*

## AVIATION MAINTENANCE CAREER PATHWAYS



Source: Payscale.com

### What certification(s) and/or license(s) will students be prepared to test for when they complete the program?

FAA Certified Mechanic with the Powerplant rating

### Where is the testing center located for the certification and/or license?

FSCJ Cecil Center, 5640 New World Ave., 32221

### What is the average program performance?

*(Based on previous program cohorts)*

Average Completion Rate: 77%

Average Placement Rate: 75%