

The Technical Certificate (T.C.) in Aviation Mechanic prepares students for entry into the aviation maintenance industry.

The program produces qualified Aviation Mechanics ready to perform aviation maintenance through practical training and education on Federal Aviation Administration standard methods, techniques, and skills via realistic experience with aircraft, avionics, engines, and their subsystems.

<input checked="" type="checkbox"/> Task
<input type="checkbox"/> Explore career resources at fscj.edu/student-services/career-development .
<input type="checkbox"/> Meet with your advisor each term.
<input type="checkbox"/> Satisfy the technical certificate graduation requirements.

Certification/Licensing

Instruction consists of academic as well as laboratory training designed to prepare you for the FAA written, oral and practical certificate examinations for the Airframe or Powerplant Mechanic rating.

Note: If you are considering employment in a state other than Florida, please visit <https://www.fscj.edu/academics/license-disclose> to determine if this program will meet the selected state's requirements to sit for licensure or certification testing.

Program Accreditation

The AMT Professional courses comply with Federal Aviation Regulation (FAR) Part 147 and are FAA certified.

Application Procedure

This is a Selective Access program. Students must follow the application procedure outlined in the current College Catalog.

Articulation

Upon successful completion of the program students may receive articulated College credit toward the Aviation Maintenance Management (2150) (A.S.) degree. Contact an advisor to determine the career education path that is best for you.

Advising

(904) 317-3824 or patricia.h.conway@fscj.edu.

Sample Roadmap

This roadmap provides general guidance about required courses. For specific guidance about your individual academic degree plan, please see an advisor. Also refer to the College Catalog and class schedules for additional information. **Full-time students will refer to the term-by-term recommendations, and part-time students will take courses in the order listed.**

A minimum grade of C or higher must be achieved in all professional courses.

Term 1

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	AMT 1751C: Aviation Maintenance Technology General I	6	All
<input type="checkbox"/>	AMT 1752C: Aviation Maintenance Technology General II	6	All

Total Program Credit Hours

The **Aviation Powerplant Mechanic** T.C. program requires a **minimum of 12 credit hours**. Total program hours may vary based on the student's individual degree plan. Please see an advisor for individual guidance. This program **is eligible** for financial aid.

Important for You to Know

This academic roadmap does not include developmental education courses in reading, writing, and/or mathematics that you may be required to take. Students who place into developmental education courses are required to complete designated developmental education courses with a grade of C or higher regardless of program of study. In addition, it does not include MAT 1033: Intermediate Algebra, which, for many students, is a prerequisite course for MAC 1105.

Program Learning Outcomes

Upon completing this program, students will be able to demonstrate proficiency in the following program learning outcomes:

- Apply general shop safety principles in daily work
- Demonstrate ability to read, comprehend, and apply data in FAA documents and regulations
- Perform mathematical operations through elementary Algebra, Geometry and trigonometry
- Understand basic laws of motion, thermodynamics and fluid dynamics
- Understand the relationship between voltage, current and resistance
- Service Lead-Acid and Nickel-Cadmium batteries
- Demonstrate voltmeter usage in AC/DC circuits
- Construct circuits using solid-state components