

The Associate in Science (A.S.) Degree in Aviation Maintenance Management provides a comprehensive hands-on education to fully prepare students for Airframe and Powerplant (A&P) certification.

Through practical training and education in Federal Aviation Administration standards on methods, techniques, and skills as well as through realistic experience with aircraft, avionics, engines and their subsystems, the program produces qualified airframe and powerplant technicians ready to perform and manage aviation maintenance.

<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"/> Fulfill the Civic Literacy requirement.
<input type="checkbox"/> Satisfy the A.S. degree graduation requirements.

Certification/Licensing

With the successful completion of this program, students will be prepared to take the FAA Airframe and Powerplant (A&P) Mechanic certification examinations.

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.

Career Options

Graduates of the Associate in Science in Aviation Maintenance Management degree have several career options, including general aviation maintenance, agricultural aviation maintenance, military aircraft repair and overhaul, transport or corporate aircraft maintenance and repair operation (MRO), and airline aircraft maintenance.

Application Deadline

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

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, as well as courses used to satisfy the general education and civic literacy requirements. A list of Professional Elective Coursework options is available at the end of this document.

Note: In lieu of students completing the professional AMT prefix courses included in the program, students may be awarded credit by providing valid proof of FAA A&P certification.

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
<input type="checkbox"/>	MAC 1105: College Algebra or higher-level MAC prefix course or MAP 2302: Differential Equations or MGF 1106: Topics in College Mathematics or MGF 1107: Explorations in Mathematics or STA 2023: Elementary Statistics	3-5	Varies

Term 2

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	AMT 1761C: Aviation Maintenance Technology Airframe I	6	All
<input type="checkbox"/>	AMT 1762C: Aviation Maintenance Technology Airframe II	6	All
<input type="checkbox"/>	ENC 1101: English Composition I or ENC 1101C: English Composition I Enhanced	3 or 4	Varies

Term 3

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	AMT 1763C: Aviation Maintenance Technology Airframe III	6	All
<input type="checkbox"/>	AMT 1764C: Aviation Maintenance Technology Airframe IV	6	All
<input type="checkbox"/>	ARH 2000: Art in the Humanities or PHI 2010: Philosophy in the Humanities or MUL 2010: Music in the Humanities or LIT 2000: Literature in the Humanities or HUM 2020: Topics in the Humanities or THE 2000: Theatre in the Humanities	3	Varies

Term 4

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	AMT 1771C: Aviation Maintenance Technology Powerplant I	4	All
<input type="checkbox"/>	AMT 1772C: Aviation Maintenance Technology Powerplant II	4	All
<input type="checkbox"/>	AMH 2020: United States History From 1877 to the Present or POS 2041: American Federal Government	3	Varies

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.

Related Roadmaps

Embedded Technical Certificate(s)

Technical certificates are available within this degree program. Contact an advisor to determine the career education path that is best for you. Embedded technical certificates include:

- Aviation Mechanic
- Aviation Airframe Mechanics
- Aviation Powerplant Mechanics

Term 5

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	AMT 1773C: Aviation Maintenance Technology Powerplant III	4	All
<input type="checkbox"/>	AMT 1774C: Aviation Maintenance Technology Powerplant IV	4	All
<input type="checkbox"/>	Professional Elective	3	Varies

Term 6

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	Professional Elective	3	Varies
<input type="checkbox"/>	AVM 1942: Aviation Internship or AVM 1931: Aviation Capstone	2	Varies
<input type="checkbox"/>	BSC 1005: Life in Its Biological Environment or BSC 2010C: Principles of Biology I or BSC 2085C: Human Anatomy and Physiology I or AST 1002: Introduction to Astronomy or CHM 1020: Chemistry for Liberal Arts or CHM 2045C: General Chemistry and Qualitative Analysis I or ESC 1000: Earth and Space Science or EVR 1001: Introduction to Environmental Science or PHY 1020C: Physics for Liberal Arts with Laboratory or PHY 2048C: Physics I With Calculus or PHY 2053C: General Physics I	3	Varies

Total Program Credit Hours

The **Aviation Maintenance Management A.S.** degree program requires a **minimum of 83 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.

Professional Elective Coursework Options

Minimum Credit Hours: 6

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	AVM 1010: Aviation Management	3	Fall
<input type="checkbox"/>	AMT 1261: Avionics Line Maintenance Fundamentals	3	Varies
<input type="checkbox"/>	AMT 1261L: Avionics Line Maintenance Fundamentals Lab	1	Varies
<input type="checkbox"/>	AMT 1231: Avionics Installation and Troubleshooting	3	Varies
<input type="checkbox"/>	AMT 1231L: Avionics Installation and Troubleshooting Lab	1	Varies
<input type="checkbox"/>	ENC 2210: Technical Report Writing	3	Varies
<input type="checkbox"/>	ETI 1121: Introduction to Non-Destructive Testing (NDT)	3	Varies
<input type="checkbox"/>	ETI 2123C: Liquid (Dye) Penetrant Inspection	4	Varies
<input type="checkbox"/>	ETI 2124C - Magnetic Particle (MT) Non-Destructive Testing (NDT)	2	Varies
<input type="checkbox"/>	ETI 2125C - Eddy Current (ET) Non-Destructive Testing (NDT)	4	Varies
<input type="checkbox"/>	ETI 2126C - Ultrasound (UT) Non-Destructive Testing (NDT)	4	Varies
<input type="checkbox"/>	ETI 2127C - Infrared Thermography (IR) Non-Destructive Testing (NDT)	2	Varies
<input type="checkbox"/>	FIN 2000: Principles of Finance	3	Varies

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
- Rig an aircraft flight control system, manufacture a honeycomb core composite structure
- Determine normal circuit operation using electrical schematics
- Inspect and repair electrical connectors, interpret circuit protector charts
- Apply and repair aircraft fabric, mix and apply aircraft paint finish
- Select and install sheet metal fasteners, fabricate and repair sheet metal structures
- Troubleshoot, repair, and service hydraulic systems, brake, and oxygen systems
- Inspect and repair fluid quantity indicating, fire detection, and deice systems
- Perform pitot-static check, radio check and 100-hour inspection
- Inspect and repair a magneto, carburetor, starter, alternator, and propeller
- Perform calculations to determine horsepower, select engine lubricants
- Remove overhaul and install a reciprocating and turbine engine
- Perform non-destructive methods of inspection
- Understand theory of operation and troubleshoot turbine engine systems
- Use manuals to inspect and repair turbine engine, and perform conformity inspection
- Complete 100-hour engine inspection and write engine logbook entries