

A.S. in Aviation Maintenance (Part 65)

The Associate in Science in Aviation Maintenance includes a curriculum that combines general education and aviation maintenance core courses. Faculty members have industry experience and provide instruction in the examination, repair, and maintenance of aircraft. The program develops competencies aligned with industry standards and regulatory requirements. Graduates are prepared for employment as aviation maintenance technicians. Applicants holding an FAA Airframe and Power Plant Maintenance Certificate may be awarded credit hours toward the degree.

At the **Worldwide & Online Campus**, the program is structured to allow flexible scheduling, enabling students to complete coursework in a range of settings and timeframes.

Program-Level Student Learning Outcomes

Students will:

- Apply aviation maintenance fundamentals, accepted practices, and global regulations in the industry.
- Communicate technical and non-technical information and concepts in written, digital, and oral forms.
- Synthesize concepts to define and solve problems in professional and personal environments.
- Analyze historical events, cultural artifacts, and philosophical concepts.
- Conduct research using appropriately cited primary and secondary sources.
- Examine skills that promote professional and personal lifelong learning.
- Use digitally-enabled technology and analysis techniques to interpret data and solve problems.
- Analyze scientific evidence about the physical world and its relation to human values and interests.

Worldwide Program Requirements

General Education Requirements	36
Core Requirements	18
Program Support Courses	6
Total Credits	60

Program Details

The Associate of Science in Aviation Maintenance requires successful completion of a minimum of 60 credit hours. Students enrolled in the Worldwide Undergraduate Online program may complete the degree in 10 terms, or approximately two years, assuming full-time enrollment and continuous progress. Students pursuing this undergraduate degree must earn a minimum cumulative grade point average (CGPA) of 2.00 for all work completed at the University. The courses required to earn this degree are listed below.

Students should be aware that many courses have prerequisites and/or corequisites. Students are responsible for ensuring that all prerequisite and degree requirements are satisfied prior to enrollment in advanced coursework. The suggested plan of study is provided as a guide. A student's actual plan of study may vary based on term of admission, course availability, transfer credit, and other academic considerations. Students should consult with their academic advisor to develop an individualized plan of study.

Students who hold a valid FAA Airframe and Powerplant (A&P) Maintenance Certificate may be awarded up to 18 credit hours toward the associate degree or up to 39 credit hours toward a related bachelor's

degree, in accordance with University policy. Students may also earn aviation maintenance credit as part of the overall curriculum, where applicable.

General Education Requirements

Communication	9
Any Communication above COMM 106	
Humanities - Lower or Upper Level	3
Social Sciences - Lower or Upper Level	6
Humanities/Social Sciences - Upper Level	3
Computer Science/Information Technology	3
Mathematics	6
Any College Algebra or Higher Math Series	
Physical/Life Sciences	6
Any Physical Science/Physics	
Total Credits	36

Core Requirements

AMNT 240	General Aeronautics and Applications	3
AMNT 260	Aircraft Electrical Systems Theory	3
AMNT 270	Airframe Structures and Applications	3
AMNT 271	Airframe Systems and Applications	3
AMNT 280	Reciprocating Engine Theory and Applications	3
AMNT 281	Turbine Engine Theory and Applications	3
Total Credits		18

Program Support Courses

ASCI 202	Introduction to Aeronautical Science	3
STAT 211	Statistics with Aviation Applications	3
Total Credits		6

Suggested Plan of Study

Year One

Requirements	Credits
Communication above COMM 106	3
College Algebra or Higher Math Series	3
Semester Hours	6

Requirements	Credits
Communication above COMM 106	3
College Algebra or Higher Math Series	3
Semester Hours	6

Requirements	Credits
Humanities - Lower or Upper Level	3
Physical Science/Physics	3
Semester Hours	6

Requirements	Credits
Social Sciences - Lower or Upper Level	3
Computer Science	3
Semester Hours	6

Requirements	Credits
Communication above COMM 106	3
ASCI 202 - Introduction to Aeronautical Science	3
Semester Hours	6

Total Credits

Total Hours for All Requirements: 30

Year Two

Requirements	Credits
STAT 211 - Statistics with Aviation Applications	3
Social Sciences - Lower or Upper Level	3
Semester Hours	6

Requirements	Credits
AMNT 240 - General Aeronautics and Applications	3
AMNT 260 - Aircraft Electrical Systems Theory	3
Semester Hours	6

Requirements	Credits
AMNT 270 - Airframe Structures and Applications	3
AMNT 271 - Airframe Systems and Applications	3
Semester Hours	6

Requirements	Credits
AMNT 280 - Reciprocating Engine Theory and Applications	3
AMNT 281 - Turbine Engine Theory and Applications	3
Semester Hours	6

Requirements	Credits
Physical Science/Physics	3
Humanities/Social Sciences - Upper Level	3
Semester Hours	6

Total Credits

Total Hours for All Requirements: 30

Estimated Cost of Attendance

Estimated Cost of Attendance: California Student Information (<https://catalog.erau.edu/student-life/student-affairs/california-student/>)