

Master of Aviation Maintenance

The program addresses the range of career opportunities in the aviation maintenance industry and emphasizes the knowledge, skills, and experience required for professional practice. Instruction is provided by faculty with expertise in aviation maintenance and reflects current practices and developments in the field. Students examine evolving requirements in aviation maintenance at domestic and global levels, including the application of advanced technologies and concepts. The curriculum includes emphasis on safety across maintenance and engineering operations, as well as the role of cybersecurity in protecting aviation systems.

The Master of Aviation Maintenance at the **Worldwide Campus** is designed for students with backgrounds in engineering, management, cybersecurity, or maintenance. The curriculum focuses on the acquisition and application of knowledge and skills relevant to the global aviation maintenance industry and supports preparation for supervisory and managerial roles in aviation maintenance programs. Coursework is offered online multiple times each year with no prerequisites required. The program also offers a combined pathway with a bachelor's degree, allowing students to begin advanced study earlier and progress through their academic programs in an accelerated sequence.

Program-Level Student Learning Outcomes

Students will:

- Analyze data to make decisions for gaining efficiencies within the global aviation maintenance organization.
- Integrate aviation maintenance within a global business environment.
- Integrate a safety culture into a global aviation maintenance environment.
- Develop strategies for managing the resources of global aviation maintenance.

Worldwide Program Requirements

Core Requirements	30
Total Credits	30

Program Details

The Master of Aviation Maintenance requires successful completion of a minimum of 30 credit hours. Students enrolled in the Worldwide Graduate Online program may complete the degree in six terms, or approximately two years, assuming full-time enrollment and continuous progress. Students pursuing this graduate degree must earn a minimum cumulative grade point average (CGPA) of 3.00 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.

Core Requirements

AMNT 601	Leadership in Global Aviation Maintenance Organizations	3
AMNT 605	Global Maintenance Resource Management	3
AMNT 609	Aircraft Maintenance Management	3
AMNT 615	Strategic Management of Global Maintenance, Repair and Overhaul (MRO) Operations	3

AMNT 625	Trends and Challenges for Global Aviation Maintenance Organizations	3
AMNT 644	Integrated Logistics In Aviation Management	3
AASI 635	Sustainable Aviation Techniques and Tools	3
ASCI 674	Project Management in Aviation/Aerospace	3
AVSF 611	Aviation/Aerospace System Safety	3
AVSF 612	Aviation/Aerospace Industrial Safety Management	3
Total Credits		30

Suggested Plans of Study

Two Year Plan

Year One

Requirements	Credits
AMNT 601 - Leadership in Global Aviation Maintenance Organizations	3
Semester Hours	3

Requirements	Credits
AMNT 605 - Global Maintenance Resource Management	3
Semester Hours	3

Requirements	Credits
AVSF 611 - Aviation/Aerospace System Safety	3
Semester Hours	3

Requirements	Credits
AMNT 609 - Aircraft Maintenance Management	3
Semester Hours	3

Requirements	Credits
AMNT 615 - Strategic Management of Global Maintenance, Repair and Overhaul (MRO) Operations	3
Semester Hours	3

Total Credits

Total Hours for All Requirements: 15

Year Two

Requirements	Credits
AASI 635 - Sustainable Aviation Techniques and Tools	3
Semester Hours	3

Requirements	Credits
AMNT 625 - Trends and Challenges for Global Aviation Maintenance Organizations	3
Semester Hours	3

Requirements	Credits
ASCI 674 - Project Management in Aviation/Aerospace	3
Semester Hours	3

Requirements	Credits
AVSF 612 - Aviation/Aerospace Industrial Safety Management	3
Semester Hours	3

Requirements	Credits
AMNT 644 - Integrated Logistics In Aviation Management	3
Semester Hours	3

Total Credits

Total Hours for All Requirements: 15

One Year Plan

Year One

Requirements	Credits
AMNT 601 - Leadership in Global Aviation Maintenance Organizations	3
AMNT 605 - Global Maintenance Resource Management	3
Semester Hours	6

Requirements	Credits
AVSF 611 - Aviation/Aerospace System Safety	3
AMNT 609 - Aircraft Maintenance Management	3
Semester Hours	6

Requirements	Credits
AMNT 615 - Strategic Management of Global Maintenance, Repair and Overhaul (MRO) Operations	3
AASI 635 - Sustainable Aviation Techniques and Tools	3
Semester Hours	6

Requirements	Credits
AMNT 625 - Trends and Challenges for Global Aviation Maintenance Organizations	3
ASCI 674 - Project Management in Aviation/Aerospace	3
Semester Hours	6

Requirements	Credits
AVSF 612 - Aviation/Aerospace Industrial Safety Management	3
AMNT 644 - Integrated Logistics In Aviation Management	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/>)