

AVIATION MAINTENANCE MANAGEMENT (B.S.) - ONLINE

Important: This degree plan is effective for those starting this degree program in fall 2024 through summer 2025. This degree plan will remain in effect for students who do not break enrollment or who do not change degree programs, concentrations, or cognates.

General Education/Foundational Skills Requirements

Code	Title	Hours
Communication & Information Literacy ¹		
ENGL 101	Composition and Rhetoric	3
	Communications Elective	3
	Information Literacy Elective	3
	Information Literacy Elective	3
Technological Solutions & Quantitative Reasoning ¹		
UNIV 104	Instructional Technology for Successful Online Learning	0-3
	Math Elective MATH 114 or higher	3
Critical Thinking ¹		
RLGN 104	Christian Life and Biblical Worldview ²	4
	Critical Thinking Elective	3
Civic & Global Engagement ¹		
	Cultural Studies Elective	3
Social & Scientific Inquiry ¹		
	Natural Science Elective	3
	Social Science Elective	3
Christianity & Contexts ¹		
BIBL 104	Survey of Old and New Testament	4
THEO 104	Introduction to Theology Survey ²	4
Total Hours		39-42

¹ Refer to the list of approved general education electives before enrolling in foundational skill requirements

² Students transferring in 45 or more UG credit hours will have the requirement of RLGN 104 waived; Students transferring in 60 or more UG credit hours will also have the requirement of THEO 104 waived

Major Requirements

Code	Title	Hours
Major Foundational Courses		
MATH 201	Introduction to Probability and Statistics ¹	3
Total Hours		3

¹ Course may fulfill select general education requirements.

Code	Title	Hours
Major Core ¹		
AVIA 102	Aviation Foundations	3

Code	Title	Hours
AVIA 245	Aviation Leadership	3
AVIA 300	Aviation Safety	3
AVIA 314	Principles of Aviation Administration	3
AVIA 400	Aviation Human Factors	3
AVIA 448	Aviation Law	3
AVIA 472	Aviation Organizational Ethics	3
AVIA 491	Aeronautics Capstone: Advanced Research Concepts	3
AVMT 101	Maintenance Mathematics	1
AVMT 102	Aircraft Sciences	3
AVMT 103	Maintenance Physics	1
AVMT 104	Maintenance Practices I	3
AVMT 105	Aircraft Weight and Balance	1
AVMT 106	Maintenance Practices II	3
AVMT 150	General Curriculum Final	0
AVMT 201	Airframe Auxiliary Systems I	1
AVMT 202	Aircraft Electrical Systems	3
AVMT 203	Aircraft Auxiliary Systems II	2
AVMT 204	Airframe Structures I	3
AVMT 206	Airframe Structures II	2
AVMT 207	Hydraulic and Pneumatic Systems	1
AVMT 208	Airframe Assembly and Inspection	2
AVMT 209	Landing Gear Systems	2
AVMT 211	Fire Protection	1
AVMT 213	Powerplant Fuel Systems	2
AVMT 214	Engine Electrical Systems	3
AVMT 215	Powerplant Lubrication Systems	1
AVMT 219	Engine Instrument Systems	1
AVMT 221	Propeller Systems	2
AVMT 223	Engine Inspections	1
AVMT 250	Airframe Curriculum Final	0
AVMT 312	Reciprocating Engine Technology	3
AVMT 320	Turbine Engine Technology	3
AVMT 350	Powerplant Curriculum Final	0
AVMX 418	Principles of Troubleshooting	3
AVMX 428	Advanced Electronics	3
AVMX 451	Aviation Maintenance Operations	3
BUSI 310	Principles of Management	3
Total Hours		81

¹ Based on FAA requirements, the AVMT courses (45 hours) listed on this degree cannot be offered online and must be taken residually at Liberty University. You may complete FAA mechanic certification with Airframe and Powerplant ratings outside of Liberty University and Prior Learning Assessment (PLA) credit may be awarded for licensure to meet the requirements of the AVMT courses (45 hours)

All applicable prerequisites must be met

Graduation Requirements

- 120 Total hours
- 2.0 Overall grade point average
- 30 Hours must be upper-level courses (300-400 level)

- **Grade of 'C'** Minimum required for all upper-level courses in the major and all AVMT courses
- **25%** Of major taken through Liberty University
- **30 Hours** must be completed through Liberty University
- **Grad App** Submission of Degree Completion Application must be completed within the last semester of a student's anticipated graduation date

Course	Title	Hours
AVMX 451	Aviation Maintenance Operations	3
Hours		15
Total Hours		75-78

¹ Refer to the list of approved general education electives here before enrolling in foundational skills requirements

Course Sequence

Course	Title	Hours
Freshman Year		
First Semester		
BIBL 104	Survey of Old and New Testament	4
ENGL 101	Composition and Rhetoric	3
RLGN 104	Christian Life and Biblical Worldview	4
UNIV 104	Instructional Technology for Successful Online Learning	0-3
AVIA 105	Aviation Survey	3
Hours		14-17
Second Semester		
THEO 104	Introduction to Theology Survey	4
Communications Elective ¹		3
Information Literacy Elective ¹		3
Math Elective ^{MATH 201 1}		3
AVIA 245	Aviation Leadership	3
Hours		16
Sophomore Year		
First Semester		
AVIA 300	Aviation Safety	3
AVIA 314	Principles of Aviation Administration	3
AVMX 418	Principles of Troubleshooting	3
AVMT 150	General Curriculum Final	0
BUSI 300	Business Communications	3
BUSI 310	Principles of Management	3
Hours		15
Second Semester		
Critical Thinking Elective ¹		3
Information Literacy Elective ¹		3
Natural Science Elective ¹		3
AVIA 448	Aviation Law	3
AVMT 250	Airframe Curriculum Final	0
AVMX 428	Advanced Electronics	3
Hours		15
Junior Year		
First Semester		
Cultural Studies Elective ¹		3
Social Science Elective ¹		3
AVIA 400	Aviation Human Factors	3
AVIA 472	Aviation Organizational Ethics	3
AVMT 350	Powerplant Curriculum Final	0