

AVIATION MAINTENANCE (B.S.) - UNMANNED AERIAL SYSTEMS - RESIDENT

Important: This degree plan is effective for those starting this degree program in fall 2022 through summer 2023. 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
INQR 101	Inquiry	1
	Communications Elective	3
	Information Literacy Elective	3
	Information Literacy Elective	3
Technological Solutions & Quantitative Reasoning ¹		
UNIV 101	Foundational Skills	1
	Math Elective MATH 114 or higher	3
	Technology Competency ²	0-3
Critical Thinking ¹		
RLGN 105	Introduction to Biblical Worldview ³	2
RSCH 201	Research	3
	Critical Thinking Elective	3
Civic & Global Engagement ¹		
EVAN 101	Evangelism and the Christian Life ³	2
	Cultural Studies Elective	3
Social & Scientific Inquiry ¹		
	Natural Science Elective	3
	Social Science Elective	3
Christianity & Contexts ¹		
BIBL 105	Old Testament Survey	2
BIBL 110	New Testament Survey	2
THEO 201	Theology Survey I ³	2
THEO 202	Theology Survey II ³	2
Total Hours		44-47

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

² All students must pass the Computer Assessment OR complete applicable INFT course

³ Students transferring in 45 or more UG credit hours will have the requirements of RLGN 105 Introduction to Biblical Worldview (2 c.h.) and EVAN 101 Evangelism and the Christian Life (2 c.h.) waived; Students transferring in 60 or more UG credit hours will also have the requirements of THEO 201 Theology Survey I (2 c.h.) and THEO 202 Theology Survey II (2 c.h.) 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		
AVIA 102	Aviation Foundations	3
AVIA 245	Aviation Leadership	3
AVIA 300	Aviation Safety	3
AVIA 461	Aviation Career Strategies	3
AVIA 491	Capstone: Advanced Research Concepts	3
	Aviation Elective ¹	3
AVMT 101	Maintenance Mathematics	1
AVMT 102	Aircraft Sciences II	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	1
AVMT 204	Airframe Structures I	3
AVMT 205	Airframe Auxiliary Systems III	1
AVMT 206	Airframe Structures II	3
AVMT 207	Hydraulic and Pneumatic Systems	2
AVMT 208	Airframe Assembly and Inspection	3
AVMT 209	Landing Gear Systems	1
AVMT 213	Powerplant Fuel Systems	2
AVMT 214	Engine Electrical Systems	3
AVMT 215	Powerplant Lubrication Systems	1
AVMT 217	Powerplant Auxiliary Systems I	1
AVMT 219	Powerplant Auxiliary Systems II	1
AVMT 221	Propeller Systems	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
Total Hours		69

¹ Choose one of the following courses: AVIA 312 Aviation Safety Programs (3 c.h.), AVIA 409 Safety Management Systems (3 c.h.), or AVIA 419 Aviation Safety Data Analysis (3 c.h.)

Code	Title	Hours
Cognate		
AVIA 323	UAS Avionics & Powerplants	3

Code	Title	Hours
AVIA 335	Medium UAS Ground and Flight I	3
AVIA 446	Medium UAS Ground and Flight II	3
AVIA 447	Medium UAS Ground and Flight III	3
AVMX 445	Medium UAS Maintenance I	3
Total Hours		15

All applicable prerequisites must be met

Graduation Requirements

- **128** 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
- **25%** Of major and cognate 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
- **CSER** All requirements must be satisfied before a degree will be awarded