LIBERTY UNIVERSITY

Bachelor of Science in Aviation Maintenance
Unmanned Aerial Systems Cognate

2023-2024 Degree Completion Plan

Important: This degree plan is effective for those starting this degree program in fall 2023 through summer 2024. 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 (44-47 hours)

Course		Hrs	Sem	Grade
Communication & Information Literacy (13 hours)[1]				
ENGL 101	Composition & Rhetoric	3		
INQR 101	Inquiry 101	1		
_____	Communications Elective	3		
_____	Information Literacy Elective	3		
_____	Information Literacy Elective	3		
Technological Solutions & Quantitative Reasoning (4-7 hours)[1]				
UNIV 101	Foundational Skills	1		
MATH ____	Math Elective (MATH 114 or higher)	3		
_____	Technology Competency[2]	0-3		
Critical Thinking (8 hours)[1]				
RLGN 105	Intr Bwvw/Contemp Moral Issues[3]	2		
RSCH 201	Research 201	3		
_____	Critical Thinking Elective	3		
Civic & Global Engagement (5 hours)[1]				
EVAN 101	Evangelism & Christian Life[3]	2		
_____	Cultural Studies Elective	3		
Social & Scientific Inquiry (6 hours)[1]				
_____	Natural Science Elective	3		
_____	Social Science Elective	3		
Christianity & Contexts (8 hours)[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		

Course		Hrs	Sem	Grade
Major Foundational Courses (0-3 hours)				
MATH 201	Introduction to Probability & Statistics[4]	3		
MAJOR				
	Core (69 hours)			
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		
AVIA ____	_____[5]	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 & 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	Airframe Auxiliary Systems II	2		
AVMT 204	Airframe Structures I	3		
AVMT 206	Airframe Structures II	2		
AVMT 207	Hydraulic & Pneumatic Systems	1		
AVMT 208	Airframe Assembly & 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		
	Cognate (15 hours)			
AVIA 323	UAS Avionics & Powerplants	3		
AVIA 335	Medium UAS Ground & Flight I	3		
AVIA 446	Medium UAS Ground & Flight II	3		
AVIA 447	Medium UAS Ground & Flight III	3		
AVMX 445	Medium UAS Maintenance I	3		

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 and all AVMT courses
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

Notes

All applicable prerequisites must be met

[1] Refer to the list of approved general education electives at www.liberty.edu/gened before enrolling in foundational skills requirements

[2] All students must pass the Computer Assessment OR complete applicable INFT course; refer to www.liberty.edu/computerassessment for more information

[3] Students transferring in 45 or more UG credit hours will have the requirements of RLGN 105 & EVAN 101 waived; Students transferring in 60 or more UG credit hours will also have the requirements of THEO 201 and THEO 202 waived

[4] Courses may also fulfill select General Education Requirements. Please refer to the list of approved general education electives at www.liberty.edu/gened

[5] Choose from: AVIA 312, 409, or 419

Suggested Course Sequence on second page

SUGGESTED COURSE SEQUENCE***

FRESHMAN YEAR

First Semester		Second Semester	
BIBL 105	2	BIBL 110	2
ENGL 101	3	INQR 101	1
EVAN 101	2	RLGN 105	2
UNIV 101	1	Communications Elective[1]	3
Math Elective[1] [MATH 201]	3	Natural Science Elective[1]	3
Technology Competency[2]	0-3	AVIA 245	3
AVIA 102	3	CSER	0
CSER	0	Total	14
Total	14-17		

SOPHOMORE YEAR

AVMT 101	1	AVMT 203	2
AVMT 102	3	AVMT 204[3]	3
AVMT 103	1	AVMT 206	2
AVMT 104	3	AVMT 207[3]	1
AVMT 105	1	AVMT 208	2
AVMT 106	3	AVMT 211	1
AVMT 150	0	AVMT 219	1
AVMT 201	1	AVMT 221	2
AVMT 202	3	AVMT 223	1
AVMT 209	2	AVMT 250	0
CSER	0	CSER	0
Total	18	Total	15

SUMMER SEMESTER

AVMT 213	2
AVMT 214	3
AVMT 215	1
AVMT 312	3
AVMT 320	3
AVMT 350	0
Total	12

JUNIOR YEAR

RSCH 201	3	THEO 202	2
THEO 201	2	Critical Thinking Elective[1]	3
Information Literacy Elective[1]	3	Information Literacy Elective[1]	3
Social Science Elective[1]	3	AVIA 461	3
AVIA 300	3	AVMX 418	3
CSER	0	CSER	0
Total	14	Total	14

SENIOR YEAR

Cultural Studies Elective[1]	3	AVIA 335	3
AVIA 323	3	AVIA 446	3
AVIA 491	3	AVMX 445	3
AVMX 428	3	Aviation Safety Elective[4]	3
CSER	0	CSER	0
Total	12	Total	12

SUMMER SEMESTER

AVIA 447	3

Notes

[1]Refer to the list of approved general education electives at www.liberty.edu/gened before enrolling in foundational skills requirements

[2]All students must pass the Computer Assessment OR complete applicable INFT course; refer to www.liberty.edu/computerassessment for more information

[3]Spring Intensive

[4]Choose from: AVIA 312, 409, or 419

***Additional course sequences may be available for those students with Private Pilot Licenses and other certifications. Students should contact their Academic Advisor and the School of Aeronautics for further information.