LIBERTY UNIVERSITY

Bachelor of Science in Aeronautics
Military Cognate

2024-2025 Degree Completion Plan

...g 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 (40-43 hours)

Course		Hrs	Sem	Grade
Communication & Information Literacy (12 hours)[1]				
ENGL 101	Composition & Rhetoric	3		
_____	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 (5 hours)[1]				
RLGN 105	Intr Bwvw/Contemp Moral Issues[3]	2		
_____	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 (1-7 hours)				
MATH 201	Introduction to Probability & Statistics[4]	3		
PHYS 101	Elements of Physics[4]	3		
PHYS 103	Elements of Physics Lab[4]	1		
MAJOR				
	Core (63-66 hours)			
AVIA 102	Aviation Foundations	3		
AVIA 104	Flight Operations Orientation[5]	0-3		
AVIA 210	Private Ground I	3		
AVIA 215	Private Ground II	3		
AVIA 220	Private Flight I	3		
AVIA 225	Private Flight II	3		
AVIA 310	Instrument Ground	3		
AVIA 315	Commercial Ground	3		
AVIA 320	Instrument Flight	3		
Aeronautics, Science, & Systems				
AVIA 230	Unmanned Aerial Systems	3		
AVIA 305	Airplane Aerodynamics	3		
AVIA 340	Aviation Weather	3		
AVIA 342	GPS Navigation	3		
AVIA 430	Multi-Eng. Theo. & Adv. Aircraft Sys.	3		
AVIA 455	Turbine Engines & Jet Transports	3		
MATH 130	Advanced Technical Mathematics	3		
Leadership, Management, & Safety				
AVIA 245	Aviation Leadership	3		
AVIA 300	Aviation Safety	3		
AVIA 360	Corporate & Business Aviation	3		
AVIA 400	Aviation Human Factors	3		
AVIA 460	Professional Pilot Career Strategies	3		
AVIA 491	Aeronautics Capstone: Adv Res Concepts	3		
	Cognate (15 hours)			
AVIA 250	Introduction to Space Flight	3		
AVIA 322	Commercial Flight I: Accelerated	3		
AVIA 324	Commercial Flight II: Accelerated	3		
_____	_____[6]			
_____	_____[6]			

FREE ELECTIVES (0-1 hours)

_____	_____			

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]AVIA 104 is required for students who do not complete private pilot training at Liberty University's residential campus
[6]Choose 6 credits from: AIRS, MISC, any 300-400 level AVIA or AVMX course, CSCN 340, GOVT 200, 380, 381, 383, 483, or 484
Suggested Course Sequence on second page

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
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

SUGGESTED COURSE SEQUENCE***

FRESHMAN YEAR

First Semester			Second Semester	
ENGL 101	3		BIBL 105	2
RLGN 105	2		PHYS 103	1
UNIV 101	1		Natural Science Elective[1] [PHYS 101]	3
Math Elective[1] [MATH 201]	3		Technology Competency[2]	0-3
AVIA 102	3		AVIA 210	3
AVIA 230	3		AVIA 245	3
CSER	0		CSER	0
Total	15		Total	12-15

SUMMER SEMESTER*

AVIA 215	3
AVIA 220	3
Total	6

SOPHOMORE YEAR

BIBL 110	2		EVAN 101	2
MATH 130	3		THEO 201	2
Cultural Studies Elective[1]	3		AVIA 310	3
Information Literacy Elective[1]	3		AVIA 322	3
AVIA 225[3]	3		AVIA 340	3
Elective	3		AVIA 342	3
CSER	0		CSER	0
Total	17		Total	16

SUMMER SEMESTER*

AVIA 315	3
AVIA 320	3
Total	6

JUNIOR YEAR

THEO 202	2		Communications Elective[1]	3
Information Literacy Elective[1]	3		Critical Thinking Elective[1]	3
AVIA 250	3		AVIA 360	3
AVIA 300	3		Elective[4]	3
AVIA 324	3		CSER	0
CSER	0		Total	12
Total	14			

SENIOR YEAR

AVIA 305	3		Social Science Elective[1]	3
AVIA 400	3		AVIA 430	3
AVIA 455	3		AVIA 491	3
AVIA 460	3		Elective[4]	3
CSER	0		CSER	0
Total	15		Total	12

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]AVIA 104 is required for students who do not complete private pilot training at Liberty University's residential campus
[4]Choose 6 credits from: AIRS, MISC, any 300-400 level AVIA or AVMX course, CSCN 340, GOVT 200, 380, 381, 383, 483, or 484

*Summer flight and ground courses are highly encouraged
***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.