LIBERTY UNIVERSITY

Bachelor of Science in Aeronautics
Unmanned Aerial Systems Cognate
2019-2020 Degree Completion Plan

Important: This degree plan is effective for those starting this degree program in fall 2019 through summer 2020. 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	University Core Competencies	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 (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 (65 hours)			
AVIA 102	Aviation Foundations	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 240	GPS Navigation	1		
AVIA 241	GPS Instrument Navigation	1		
AVIA 305	Airplane Aerodynamics	3		
AVIA 340	Aviation Weather	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, Education & Safety				
AVIA 245	Aviation Leadership	3		
AVIA 300	Aviation Safety	3		
AVIA 360	Corporate & Business Aviation	3		
AVIA 400	Aviation Human Factors	3		
AVIA 410	Flight & Ground Instructor Theory	3		
AVIA 460	Aviation Interview	3		
AVIA 491	Capstone: Advanced Research Concepts	3		
	Cognate (16 hours)			
AVIA 235	Small UAS Ground	3		
AVIA 236	Small UAS Flight	1		
AVIA 323	UAS Avionics & Powerplants	3		
AVIA ____	Aviation Elective[5]	3		
AVIA ____	Aviation Elective[5]	3		
AVIA ____	Aviation Elective[5]	3		

Graduation Requirements

126	Total Hours
2.0	Overall grade point average
31.5	Hours must be upper-level courses (300-400 level)
Grade of 'C'	Minimum required for all upper-level courses in the major
50%	Of major and cognate taken through Liberty University
31.5	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 & 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 between Unmanned Aerial Systems Courses or Commercial Flight Courses: Unmanned Aerial Systems courses: AVIA 335, 446 and 447 Commercial Flight courses: AVIA 325, 326 and 327
Suggested Course Sequence on second page

SUGGESTED COURSE SEQUENCE***

FRESHMAN YEAR

First Semester		Second Semester	
BIBL 105	2	BIBL 110	2
ENGL 101	3	Communications Elective[1]	3
INQR 101	1	AVIA 210	3
PHYS 103	1	AVIA 215	3
UNIV 101	1	AVIA 240	1
Natural Science Elective[1] [PHYS 101]	3	MATH 130	3
Technology Competency[2]	0-3	CSER	0
AVIA 102	3		Total 15
CSER	0		
	Total 14-17		

SOPHOMORE YEAR

RSCH 201	3	THEO 202	2
THEO 201	2	Information Literacy Elective[1]	3
Math Elective[1] [MATH 201]	3	AVIA 230	3
AVIA 220	3	AVIA 235	3
AVIA 225	3	AVIA 236	1
AVIA 245	3	AVIA 241	1
CSER	0	AVIA 310	3
	Total 17	CSER	0
			Total 16

JUNIOR YEAR

EVAN 101	2	RLGN 105	2
AVIA 300	3	Critical Thinking Elective[1]	3
AVIA 315	3	AVIA 305	3
AVIA 320	3	AVIA 323	3
AVIA 340	3	AVIA 360	3
AVIA 400	3	AVIA 430	3
CSER	0	CSER	0
	Total 17		Total 17

SENIOR YEAR

Cultural Studies Elective[1]	3	Social Science Elective[1]	3
Information Literacy Elective[1]	3	AVIA 410	3
AVIA 455	3	AVIA Elective[3]	3
AVIA 460	3	AVIA Elective[3]	3
AVIA 491	3	CSER	0
CSER	0		Total 12
	Total 15		

SUMMER SEMESTER

AVIA Elective[3]	3	
	Total 3	

Notes

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[3]Choose between Unmanned Aerial Systems Courses or Commercial Flight Courses:
 Unmanned Aerial Systems courses: AVIA 335, 446 and 447
 Commercial Flight courses: AVIA 325, 326 and 327

***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.