LIBERTY UNIVERSITY

Bachelor of Science in Aeronautics
Unmanned Aerial Systems Cognate
2018-2019 Degree Completion Plan

Important: This degree plan is effective for those starting this degree program in fall 2018 through summer 2019. 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/
CORE COMPETENCY REQUIREMENTS (44-47 hours)

Course		Hrs	Sem	Grade
Communication (6 hours)[1]				
ENGL 101	Composition & Rhetoric	3		
_____	Communications Elective	3		
Math, Science & Technology (7-10 hours)[1]				
MATH ____	Math Elective (MATH 114 or higher)	3		
_____	Natural Science Elective	3		
_____	Technology Competency[2]	0-3		
UNIV 101	University Core Competencies	1		
Information Literacy (7 hours)[1]				
INQR 101	Inquiry 101	1		
_____	Composition Elective	3		
_____	Information Literacy Elective	3		
Critical Thinking (12 hours)[1]				
RSCH 201	Research 201	3		
_____	Literature OR Philosophy Elective	3		
_____	Social Science Elective	3		
_____	Cultural Studies Elective	3		
Christian Life & Thought (12 hours)[1,3]				
BIBL 105	Old Testament Survey	2		
BIBL 110	New Testament Survey	2		
EVAN 101	Evangelism & Christian Life	2		
RLGN 105	Intr Bwvw/Contemp Moral Issues	2		
THEO 201	Theology Survey I	2		
THEO 202	Theology Survey II	2		

Course		Hrs	Sem	Grade
Major Foundational Courses (1-7 hours)[4]				
MATH 201	Introduction to Probability & Statistics	3		
PHYS 101	Elements of Physics	3		
PHYS 103	Elements of Physics Lab	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		

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 core competency 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]Major Foundational Courses can also fulfill General Education/Core Competency requirements as applicable
[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	INQR 101	1
UNIV 101	1	Composition Elective[1]	3
AVIA 102	3	Technology Competency[2]	0-3
AVIA 210	3	AVIA 225	3
AVIA 215	3	AVIA 240	1
AVIA 220	3	AVIA 241	1
CSER	0	MATH 130	3
Total	18	CSER	0
		Total	14-17

SOPHOMORE YEAR

THEO 201	2	THEO 202	2
PHYS 103	1	Communications Elective[1]	3
RSCH 201	3	Math Elective[1] [MATH 201]	3
Natural Science Elective[1] [PHYS 101]	3	AVIA 230	3
AVIA 245	3	AVIA 305	3
AVIA 310	3	AVIA 340	3
AVIA 320	3	CSER	0
CSER	0	Total	17
Total	18		

JUNIOR YEAR

EVAN 101	2	RLGN 105	2
Information Literacy Elective[1]	3	Literature OR Philosophy Elective[1]	3
AVIA 300	3	AVIA 235	3
AVIA 315	3	AVIA 236	1
AVIA 360	3	AVIA 323	3
AVIA 430	3	AVIA 400	3
CSER	0	CSER	0
Total	17	Total	15

SENIOR YEAR

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

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
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