

AERONAUTICS (B.S.) - COMMERCIAL/CORPORATE - RESIDENT

Important: This degree plan is effective for those starting 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

Code	Title	Hours
Communication & Information Literacy ¹		
ENGL 101	Composition and Rhetoric	3
	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
	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		40-43

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 and EVAN 101 waived; Students transferring in 60 or more UG credit hours will also have the requirements of THEO 201 and THEO 202 waived

Major Requirements

Code	Title	Hours
Major Foundational Courses		
MATH 201	Introduction to Probability and Statistics ¹	3
PHYS 101	Elements of Physics ¹	3

Code	Title	Hours
PHYS 103	Elements of Physics Lab ¹	1
Total Hours		7

¹ Course may fulfill select general education requirements

Code	Title	Hours
Major Core		
AVIA 102	Aviation Foundations	3
AVIA 104	Flight Operations Orientation ¹	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
<i>Aeronautics, Science, & Systems</i>		
AVIA 230	Unmanned Aerial Systems	3
AVIA 305	Airplane Aerodynamics	3
AVIA 340	Aviation Weather	3
AVIA 342	GPS Navigation	3
AVIA 430	Multi-Engine Ground	3
AVIA 455	Turbine Engines and Jet Transports	3
MATH 130	Advanced Technical Mathematics	3
<i>Leadership, Management, & Safety</i>		
AVIA 245	Aviation Leadership	3
AVIA 300	Aviation Safety	3
AVIA 360	Corporate and Business Aviation	3
AVIA 400	Aviation Human Factors	3
AVIA 460	Professional Pilot Career Strategies	3
AVIA 491	Aeronautics Capstone: Advanced Research Concepts	3
Total Hours		63-66

¹ AVIA 104 is required for students who do not complete private pilot training at Liberty University's residential campus.

Code	Title	Hours
Concentration		
AVIA 322	Commercial Flight I: Accelerated	3
AVIA 324	Commercial Flight II: Accelerated	3
AVIA 350	Airline Operations	3
AVIA 435	Advanced Jet Systems	3
AVIA 436	Advanced Jet Training	3
AVIA 440	Multi-Engine Flight	1
	Elective ¹	3
Total Hours		19

¹ Choose 3 credit hours from the following: AVMX 418 and/or any 300-400 level AVIA courses not already required in the major

All applicable prerequisites must be met

Graduation Requirements

- 127 Total hours
- 2.0 Overall grade point average
- 31.75 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 concentration taken through Liberty University
- 31.75 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

Course Sequence

Course	Title	Hours
Freshman Year		
First Semester		
ENGL 101	Composition and Rhetoric	3
INQR 101	Inquiry	1
RLGN 105	Introduction to Biblical Worldview	2
UNIV 101	Foundational Skills	1
Math Elective	MATH 201 ¹	3
AVIA 102	Aviation Foundations	3
AVIA 230	Unmanned Aerial Systems	3
CSER		0
Hours		16
Second Semester		
BIBL 105	Old Testament Survey	2
PHYS 103	Elements of Physics Lab	1
Natural Science Elective	PHYS 101 ¹	3
Technology Competency	²	0-3
AVIA 210	Private Ground I	3
AVIA 245	Aviation Leadership	3
CSER		0
Hours		12-15
Third Semester		
AVIA 215	Private Ground II	3
AVIA 220	Private Flight I	3
Hours		6
Sophomore Year		
First Semester		
BIBL 110	New Testament Survey	2
MATH 130	Advanced Technical Mathematics	3
RSCH 201	Research	3
Cultural Studies Elective	¹	3
Information Literacy Elective	¹	3
AVIA 225	Private Flight II ³	3
CSER		0
Hours		17
Second Semester		
EVAN 101	Evangelism and the Christian Life	2

Course	Title	Hours
THEO 201	Theology Survey I	2
AVIA 310	Instrument Ground	3
AVIA 322	Commercial Flight I: Accelerated	3
AVIA 340	Aviation Weather	3
AVIA 342	GPS Navigation	3
CSER		0
Hours		16
Third Semester		
AVIA 315	Commercial Ground	3
AVIA 320	Instrument Flight	3
Hours		6
Junior Year		
First Semester		
THEO 202	Theology Survey II	2
Information Literacy Elective	¹	3
AVIA 300	Aviation Safety	3
AVIA 324	Commercial Flight II: Accelerated	3
AVIA 430	Multi-Engine Ground	3
CSER		0
Hours		14
Second Semester		
Communications Elective	¹	3
Critical Thinking Elective	¹	3
AVIA 350	Airline Operations	3
AVIA 360	Corporate and Business Aviation	3
AVIA 440	Multi-Engine Flight	1
CSER		0
Hours		13
Senior Year		
First Semester		
AVIA 305	Airplane Aerodynamics	3
AVIA 400	Aviation Human Factors	3
AVIA 435	Advanced Jet Systems	3
AVIA 455	Turbine Engines and Jet Transports	3
AVIA 460	Professional Pilot Career Strategies	3
CSER		0
Hours		15
Second Semester		
Social Science Elective	¹	3
AVIA 436	Advanced Jet Training	3
AVIA 491	Aeronautics Capstone: Advanced Research Concepts	3
Aviation Elective	⁴	3
CSER		0
Hours		12
Total Hours		127-130

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 3 credits from the following: AVMX 418 and/or any 300-400 level AVIA course not already required in the major

* 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