

# AERONAUTICS (B.S.) - MILITARY - RESIDENT

**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

Code	Title	Hours
<b>Communication &amp; Information Literacy</b> <sup>1</sup>		
ENGL 101	Composition and Rhetoric	3
INQR 101	Inquiry	1
Communications Elective		3
Information Literacy Elective		3
Information Literacy Elective		3
<b>Technological Solutions &amp; Quantitative Reasoning</b> <sup>1</sup>		
UNIV 101	Foundational Skills	1
Math Elective	MATH 114 or higher	3
Technology Competency <sup>2</sup>		0-3
<b>Critical Thinking</b> <sup>1</sup>		
RLGN 105	Introduction to Biblical Worldview <sup>3</sup>	2
RSCH 201	Research	3
Critical Thinking Elective		3
<b>Civic &amp; Global Engagement</b> <sup>1</sup>		
EVAN 101	Evangelism and the Christian Life <sup>3</sup>	2
Cultural Studies Elective		3
<b>Social &amp; Scientific Inquiry</b> <sup>1</sup>		
Natural Science Elective		3
Social Science Elective		3
<b>Christianity &amp; Contexts</b> <sup>1</sup>		
BIBL 105	Old Testament Survey	2
BIBL 110	New Testament Survey	2
THEO 201	Theology Survey I <sup>3</sup>	2
THEO 202	Theology Survey II <sup>3</sup>	2
<b>Total Hours</b>		<b>44-47</b>

<sup>1</sup> Refer to the list of approved general education electives before enrolling in foundational skill requirements

<sup>2</sup> All students must pass the Computer Assessment OR complete applicable INFT course

<sup>3</sup> Students transferring in 45 or more UG credit hours will have the requirements of RLGN 105 Introduction to Biblical Worldview (2 c.h.) and EVAN 101 Evangelism and the Christian Life (2 c.h.) waived; Students transferring in 60 or more UG credit hours will also have the requirements of THEO 201 Theology Survey I (2 c.h.) and THEO 202 Theology Survey II (2 c.h.) waived

## Major Requirements

Code	Title	Hours
<b>Major Foundational Courses</b>		
MATH 201	Introduction to Probability and Statistics <sup>1</sup>	3
PHYS 101	Elements of Physics <sup>1</sup>	3
PHYS 103	Elements of Physics Lab <sup>1</sup>	1
<b>Total Hours</b>		<b>7</b>

<sup>1</sup> Course may fulfill select general education requirements

Code	Title	Hours
<b>Major Core</b>		
AVIA 102	Aviation Foundations	3
AVIA 104	Flight Operations Orientation <sup>1</sup>	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, &amp; Systems</i>		
AVIA 230	Unmanned Aerial Systems	3
AVIA 305	Airplane Aerodynamics	3
AVIA 340	Aviation Weather	3
AVIA 342	Advanced 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, &amp; 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	Capstone: Advanced Research Concepts	3
<b>Total Hours</b>		<b>63-66</b>

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

Code	Title	Hours
<b>Cognate</b>		
AVIA 250	Introduction to Space Flight	3
AVIA 322	Commercial Flight I: Accelerated	3
AVIA 324	Commercial Flight II: Accelerated	3
Elective <sup>1</sup>		3
Elective <sup>1</sup>		3
<b>Total Hours</b>		<b>15</b>

<sup>1</sup> Choose from the following: Any AIRS MISC, 300-400 level AVIA or AVMX course, CSCN 340, GOVT 200, GOVT 380, GOVT 381, GOVT 383, GOVT 483, or GOVT 484

*All applicable prerequisites must be met*

## **Graduation Requirements**

- **123** Total hours
- **2.0** Overall grade point average
- **30.75** 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 cognate taken through Liberty University
- **30.75** 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