

Bachelor of Science in Aeronautics

Military 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/

| Course | 1PETENCY REQUIREMENTS (44- | Hrs Sem | Grade | Course | | Hrs | Sem | Grae |
|--|---|---------|-------|--|---|-----|-----|------|
| Communica | tion (6 hours) ¹ | | | Major Found | dational Courses (1-7 hours) ⁴ | | | |
| ENGL 101 | Composition & Rhetoric | 3 | | MATH 201 | Introduction to Probability & Statistics | 3 | | |
| | Communications Elective | 3 | | PHYS 101 | Elements of Physics | 3 | | |
| | | | | PHYS 103 | Elements of Physics Lab | 1 | | |
| Math, Scien | ce & Technology (7-10 hours) ¹ | | | | | | | |
| MATH | Math Elective (MATH 114 or higher) | 3 | | MAJOR | | | | |
| | Natural Science Elective | 3 | | | Core (65 hours) | | | |
| | Technology Competency ² | 0-3 | | AVIA 102 | Aviation Foundations | 3 | | |
| JNIV 101 | University Core Competencies | 1 | | AVIA 210 | Private Ground I | 3 | | |
| | | | | AVIA 215 | Private Ground II | 3 | | |
| nformation | Literacy (7 hours) ¹ | | | AVIA 220 | Private Flight I | 3 | | |
| NQR 101 | Inquiry 101 | 1 | | AVIA 225 | Private Flight II | 3 | | |
| | Composition Elective | 3 | | AVIA 310 | Instrument Ground | 3 | | |
| | Information Literacy Elective | 3 | | AVIA 315 | Commercial Ground | 3 | | |
| | • | | | AVIA 320 | Instrument Flight | 3 | | |
| Critical Thi | nking (12 hours) ¹ | | | Aeronautics, Science, & Systems | | | | |
| SCH 201 | Research 201 | 3 | | AVIA 230 | Unmanned Aerial Systems | 3 | | |
| | Literature OR Philosophy Elective | 3 | | AVIA 240 | GPS Navigation | 1 | | |
| | Social Science Elective | | | AVIA 241 | GPS Instrument Navigation | 1 | | |
| | Cultural Studies Elective | 3 | | AVIA 305 | Airplane Aerodynamics | 3 | | |
| | | | | AVIA 340 | Aviation Weather | 3 | | |
| Christian Life & Thought (12 hours) ^{1,3} | | | | AVIA 430 | Multi-Eng. Theo. & Adv. Aircraft Sys. | 3 | | |
| BIBL 105 | Old Testament Survey | 2 | | AVIA 455 | Turbine Engines & Jet Transports | 3 | | |
| BIBL 110 | New Testament Survey | 2 | | MATH 130 | Advanced Technical Mathematics | 3 | | |
| EVAN 101 | Evangelism & Christian Life | 2 | | Leadership, Management, Education & Safety | | | | |
| RLGN 105 | Intr Bwvw/Contemp Moral Issues | 2 | | AVIA 245 | Aviation Leadership | 3 | | |
| THEO 201 | Theology Survey I | 2 | | AVIA 300 | Aviation Safety | 3 | | |
| THEO 202 | Theology Survey II | 2 | | 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 (15 hours) | | | |
| | | | | AVIA 250 | Introduction to Space Flight | 3 | | |
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Graduation Requirements

125 Total Hours

2.0 Overall grade point average

31.25 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

31.25 Hours must be completed through Liberty University

Grad App Submission of Graduation 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 on second page

Notes

All applicable prerequisites must be met

 1 Refer to the list of approved general education electives at $\underline{www.liberty.edu/gened}$ before enrolling in core competency requirements

²All students must pass the Computer Assessment OR complete applicable INFT course; refer to www.liberty.edu/computerassessment for more information

³Students 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

Major Foundational Courses can also fulfill General Education/Core Competency requirements as applicable

⁵Choose 12 credits from: AIRS, MISC, AVIA 335, 409, 419, 446, 447, 472, 492, 499, AVMX 418, CSIS 340, GOVT 200, 380,381, 383, 483 or 484

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SUGGESTED COURSE SEQUENCE

FRESHMAN YEAR

| BIBL 105 | First Semester | | | Second Semester | | | | | | | | | | |
|--|--|-------|----------|---|-------|----------|--|--|--|--|--|--|--|--|
| INQR 101 | BIBL 105 | | 2 | | | | | | | | | | | |
| VINIV 101 | ENGL 101 | | 3 | PHYS 103 | | 1 | | | | | | | | |
| Math Elective¹ [MATH 201] 3 Natural Science Elective¹ [PHYS 101] 3 AVIA 102 3 AVIA 230 3 MATH 130 3 CSER 0 CSER 0 Total 1-1-15 Total 16 Total 1-1-1-15 SOPHOMORE VEAR RLGN 105 2 Total 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1- | INQR 101 | | 1 | Composition Elective ¹ | | 3 | | | | | | | | |
| AVIA 102 | UNIV 101 | | 1 | | | 0-3 | | | | | | | | |
| MATH 130 3 CSER 0 CSER 0 Total 12-15 TOTAL 16 SOPHOMORE VEAR RIGN 105 2 THEO 202 2 RSCH 201 3 Communications Elective¹ 3 THEO 201 2 Social Science Elective¹ 3 Information Literacy Elective¹ 3 AVIA 210 3 AVIA 245 3 AVIA 215 3 AVIA 305 3 AVIA 250 3 CSER 0 Total 17 JUNIOR YEAR EVAN 101 2 Cultural Studies Elective¹ 3 Literature OR Philosophy Elective¹ 3 AVIA 225 3 AVIA 220 3 AVIA 240 1 AVIA 340 3 AVIA 240 1 AVIA 360 3 AVIA 491 3 CSER 0 Total 17 CSER 0 Total 17 CSER <td< td=""><td>Math Elective¹ [MATH 201]</td><td></td><td>3</td><td>Natural Science Elective¹ [PHYS 10]</td><td>1]</td><td></td></td<> | Math Elective ¹ [MATH 201] | | 3 | Natural Science Elective ¹ [PHYS 10] | 1] | | | | | | | | | |
| Total 16 Total 16 Total 12-15 | AVIA 102 | | 3 | AVIA 230 | | 3 | | | | | | | | |
| Total 16 Total 17 Tot | MATH 130 | | 3 | CSER | | | | | | | | | | |
| RLGN 105 2 | CSER | | <u>0</u> | | Total | 12-15 | | | | | | | | |
| RLGN 105 | | Total | 16 | | | | | | | | | | | |
| RSCH 201 | SOPHOMORE YEAR | | | | | | | | | | | | | |
| RSCH 201 | RLGN 105 | | 2 | THEO 202 | | 2 | | | | | | | | |
| THEO 201 2 Social Science Elective¹ 3 Information Literacy Elective¹ 3 AVIA 210 3 AVIA 245 3 AVIA 215 3 AVIA 305 3 AVIA 250 3 CSER 0 0 CSER 0 JUNIOR YEAR EVAN 101 2 Cultural Studies Elective¹ 3 Literature OR Philosophy Elective¹ 3 AVIA 225 3 AVIA 220 3 AVIA 240 1 AVIA 340 3 AVIA 241 1 AVIA 360 3 AVIA 300 3 Aeronautics Elective³ 3 AVIA 491 3 CSER 0 Aeronautics Elective³ 3 SENIOR YEAR AVIA 310 3 AVIA 410 3 AVIA 315 3 AVIA 430 3 AVIA 320 3 AVIA 455 3 AVIA 400 3 Aeronautics Elective³ 3 AVIA 460 | RSCH 201 | | 3 | Communications Elective ¹ | | | | | | | | | | |
| AVIA 245 AVIA 305 CSER | | | | | | | | | | | | | | |
| AVIA 245 AVIA 305 CSER | Information Literacy Elective ¹ | | 3 | AVIA 210 | | 3 | | | | | | | | |
| AVIA 305 CSER | _ | | | AVIA 215 | | | | | | | | | | |
| CSER 0 CSER 0 Total 16 Total 17 INNIOR YEAR EVAN 101 2 Cultural Studies Elective¹ 3 Literature OR Philosophy Elective¹ 3 AVIA 225 3 AVIA 220 3 AVIA 240 1 AVIA 340 3 AVIA 241 1 AVIA 360 3 AVIA 300 3 Aeronautics Elective³ 3 AVIA 491 3 CSER 0 Aeronautics Elective³ 3 Total 17 CSER 0 Total 17 SENIOR YEAR AVIA 310 3 AVIA 410 3 AVIA 315 3 AVIA 430 3 AVIA 320 3 AVIA 455 3 AVIA 400 3 Aeronautics Elective³ 3 AVIA 460 3 CSER 0 Aeronautics Elective³ 3 Total 12 | AVIA 305 | | | | | | | | | | | | | |
| EVAN 101 2 Cultural Studies Elective1 3 | CSER | | 0 | CSER | | | | | | | | | | |
| EVAN 101 | | Total | 16 | | Total | 17 | | | | | | | | |
| Literature OR Philosophy Elective | JUNIOR YEAR | | | | | | | | | | | | | |
| AVIA 220 3 AVIA 240 1 AVIA 340 3 AVIA 241 1 AVIA 360 3 AVIA 300 3 Aeronautics Elective³ 3 AVIA 491 3 CSER 0 Aeronautics Elective³ 3 Total 17 CSER 0 Total 17 SENIOR YEAR AVIA 310 3 AVIA 410 3 AVIA 315 3 AVIA 430 3 AVIA 320 3 AVIA 455 3 AVIA 320 3 AVIA 455 3 AVIA 400 3 Aeronautics Elective³ 3 AVIA 400 3 Aeronautics Elective³ 3 AVIA 460 3 CSER 0 Aeronautics Elective³ 3 CSER 0 Aeronautics Elective³ 3 AVIA 460 3 CSER 0 Aeronautics Elective³ 3 CSER 0 Aeronautics Elective³ 3 CSER 0 Aeronautics Elective³ 3 Total 12 CSER 0 | EVAN 101 | | 2 | Cultural Studies Elective ¹ | | 3 | | | | | | | | |
| AVIA 220 3 AVIA 240 1 AVIA 340 3 AVIA 241 1 AVIA 360 3 AVIA 300 3 Aeronautics Elective³ 3 AVIA 491 3 CSER 0 Aeronautics Elective³ 3 Total 17 CSER 0 Total 17 SENIOR YEAR AVIA 310 3 AVIA 410 3 AVIA 315 3 AVIA 430 3 AVIA 320 3 AVIA 455 3 AVIA 320 3 AVIA 455 3 AVIA 400 3 Aeronautics Elective³ 3 AVIA 400 3 Aeronautics Elective³ 3 AVIA 460 3 CSER 0 Aeronautics Elective³ 3 CSER 0 Aeronautics Elective³ 3 AVIA 460 3 CSER 0 Aeronautics Elective³ 3 CSER 0 Aeronautics Elective³ 3 CSER 0 Aeronautics Elective³ 3 Total 12 CSER 0 | Literature OR Philosophy Elective ¹ | | 3 | AVIA 225 | | 3 | | | | | | | | |
| AVIA 360 Aeronautics Elective³ 3 AVIA 491 3 CSER 0 Aeronautics Elective³ 3 Total 17 CSER 0 Total 17 SENIOR YEAR AVIA 310 AVIA 315 AVIA 320 AVIA 320 AVIA 320 AVIA 400 3 AVIA 400 3 AVIA 400 Aeronautics Elective³ AVIA 460 Aeronautics Elective³ 3 Total 12 CSER 0 | | | 3 | AVIA 240 | | 1 | | | | | | | | |
| Aeronautics Elective ³ CSER | AVIA 340 | | 3 | AVIA 241 | | 1 | | | | | | | | |
| CSER 0 / Total 17 Aeronautics Elective³ 3 / 0 / Total 17 SENIOR YEAR AVIA 310 3 / AVIA 410 3 / AVIA 430 3 / AVIA 430 3 / AVIA 455 3 / AVIA 455 3 / AVIA 400 3 / AVIA 455 3 / AVIA 400 3 / APIA 460 4 / APIA 46 | AVIA 360 | | 3 | AVIA 300 | | 3 | | | | | | | | |
| Total 17 CSER 0 Total 17 | Aeronautics Elective ³ | | 3 | AVIA 491 | | 3 | | | | | | | | |
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| SENIOR YEAR AVIA 310 3 AVIA 410 3 AVIA 315 3 AVIA 430 3 AVIA 320 3 AVIA 455 3 AVIA 400 3 Aeronautics Elective³ 3 AVIA 460 3 CSER 0 Aeronautics Elective³ 3 Total 12 CSER 0 Total 12 | | Total | 17 | CSER | | <u>0</u> | | | | | | | | |
| AVIA 310 3 AVIA 410 3 AVIA 315 3 AVIA 430 3 AVIA 320 3 AVIA 455 3 AVIA 400 3 Aeronautics Elective ³ 3 AVIA 460 3 CSER 0 Aeronautics Elective ³ 3 CSER 0 CSER 0 | | | | | Total | 17 | | | | | | | | |
| AVIA 315 AVIA 320 3 AVIA 455 3 AVIA 400 3 AVIA 460 3 CSER 0 Total 12 CSER | SENIOR YEAR | | | | | | | | | | | | | |
| AVIA 320 3 AVIA 455 3 AVIA 400 3 Aeronautics Elective³ 3 AVIA 460 3 CSER 0 Aeronautics Elective³ 3 Total 12 CSER 0 Total 12 | AVIA 310 | | 3 | AVIA 410 | | 3 | | | | | | | | |
| AVIA 320 3 AVIA 455 3 AVIA 400 3 Aeronautics Elective³ 3 AVIA 460 3 CSER 0 Aeronautics Elective³ 3 Total 12 CSER 0 Total 12 | AVIA 315 | | 3 | AVIA 430 | | | | | | | | | | |
| AVIA 400 3 Aeronautics Elective ³ 3 Aeronautics Elective ³ 0 OSER 0 OSER 12 OSER 0 OSER 12 OSER OSER 0 OSER 12 OSER OSER OSER OSER OSER OSER OSER OSER | AVIA 320 | | 3 | AVIA 455 | | | | | | | | | | |
| Aeronautics Elective ³ 3 Total $\frac{1}{2}$ CSER $\underline{0}$ | AVIA 400 | | 3 | Aeronautics Elective ³ | | 3 | | | | | | | | |
| CSER $\underline{0}$ | AVIA 460 | | 3 | CSER | | <u>0</u> | | | | | | | | |
| | Aeronautics Elective ³ | | 3 | | Total | 12 | | | | | | | | |
| | CSER | | <u>0</u> | | | | | | | | | | | |
| | | Total | | | | | | | | | | | | |

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³Choose from: AIRS, MISC, AVIA 335, 409, 419, 446, 447, 472, 492, 499, AVMX 418, CSIS 340, GOVT 200, 380,381, 383, 483 or 484