

# LIBERTY

## UNIVERSITY.

### ONLINE

## Bachelor of Science in Aviation Maintenance Management

### 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 (39-42 hours)

| Course                                                               |                               | Hrs | Sem   | Grade |
|----------------------------------------------------------------------|-------------------------------|-----|-------|-------|
| <b>Communication and Information Literacy (12 hours)<sup>1</sup></b> |                               |     |       |       |
| ENGL 101                                                             | Composition & Rhetoric        | 3   | _____ | _____ |
| _____                                                                | Communications Elective       | 3   | _____ | _____ |
| _____                                                                | Information Literacy Elective | 3   | _____ | _____ |
| _____                                                                | Information Literacy Elective | 3   | _____ | _____ |

#### Technological Solutions and Quantitative Reasoning (3-6 hours)<sup>1</sup>

|           |                                         |     |       |       |
|-----------|-----------------------------------------|-----|-------|-------|
| UNIV 104  | Instructional Tech. for Online Learning | 0-3 | _____ | _____ |
| MATH ____ | Math Elective (MATH 114 or higher)      | 3   | _____ | _____ |

#### Critical Thinking (7 hours)<sup>1</sup>

|          |                                                  |   |       |       |
|----------|--------------------------------------------------|---|-------|-------|
| RLGN 104 | Christian Life & Biblical Worldview <sup>2</sup> | 4 | _____ | _____ |
| _____    | Critical Thinking Elective                       | 3 | _____ | _____ |

#### Civic & Global Engagement (3 hours)<sup>1</sup>

|       |                           |   |       |       |
|-------|---------------------------|---|-------|-------|
| _____ | Cultural Studies Elective | 3 | _____ | _____ |
|-------|---------------------------|---|-------|-------|

#### Social & Scientific Inquiry (6 hours)<sup>1</sup>

|       |                          |   |       |       |
|-------|--------------------------|---|-------|-------|
| _____ | Natural Science Elective | 3 | _____ | _____ |
| _____ | Social Science Elective  | 3 | _____ | _____ |

#### Christian Life & Thought (8 hours)<sup>1</sup>

|          |                                              |   |       |       |
|----------|----------------------------------------------|---|-------|-------|
| BIBL 104 | Survey of Old & New Testament                | 4 | _____ | _____ |
| THEO 104 | Introduction to Theology Survey <sup>2</sup> | 4 | _____ | _____ |

| Course                                        |                                                       | Hrs | Sem   | Grade |
|-----------------------------------------------|-------------------------------------------------------|-----|-------|-------|
| <b>Major Foundational Courses (0-3 hours)</b> |                                                       |     |       |       |
| MATH 201                                      | Introduction to Probability & Statistics <sup>3</sup> | 3   | _____ | _____ |

#### MAJOR<sup>4</sup>

|                        |                                       |   |       |       |
|------------------------|---------------------------------------|---|-------|-------|
| <b>Core (81 hours)</b> |                                       |   |       |       |
| AVIA 105               | Aviation Survey                       | 3 | _____ | _____ |
| AVIA 245               | Aviation Leadership                   | 3 | _____ | _____ |
| AVIA 300               | Aviation Safety                       | 3 | _____ | _____ |
| AVIA 314               | Principles of Aviation Administration | 3 | _____ | _____ |
| AVIA 400               | Aviation Human Factors                | 3 | _____ | _____ |
| AVIA 472               | Aviation Organizational Ethics        | 3 | _____ | _____ |
| AVMT 101               | Maintenance Mathematics               | 1 | _____ | _____ |
| AVMT 102               | Aircraft Sciences II                  | 3 | _____ | _____ |
| AVMT 103               | Maintenance Physics                   | 1 | _____ | _____ |
| AVMT 104               | Maintenance Practices I               | 3 | _____ | _____ |
| AVMT 105               | Aircraft Weight & Balance             | 1 | _____ | _____ |
| AVMT 106               | Maintenance Practices II              | 3 | _____ | _____ |
| AVMT 201               | Airframe Auxiliary Systems I          | 1 | _____ | _____ |
| AVMT 202               | Aircraft Electrical Systems           | 3 | _____ | _____ |
| AVMT 203               | Airframe Auxiliary Systems II         | 1 | _____ | _____ |
| AVMT 204               | Airframe Structures I                 | 3 | _____ | _____ |
| AVMT 205               | Airframe Auxiliary Systems III        | 1 | _____ | _____ |
| AVMT 206               | Airframe Structures II                | 3 | _____ | _____ |
| AVMT 207               | Hydraulic & Pneumatic Systems         | 2 | _____ | _____ |
| AVMT 208               | Airframe Assembly & Inspection        | 3 | _____ | _____ |
| AVMT 209               | Landing Gear Systems                  | 1 | _____ | _____ |
| AVMT 213               | Powerplant Fuel Systems               | 2 | _____ | _____ |
| AVMT 214               | Engine Electrical Systems             | 3 | _____ | _____ |
| AVMT 215               | Powerplant Lubrication Systems        | 1 | _____ | _____ |
| AVMT 217               | Powerplant Auxiliary Systems I        | 1 | _____ | _____ |
| AVMT 219               | Powerplant Auxiliary Systems II       | 1 | _____ | _____ |
| AVMT 221               | Propeller Systems                     | 1 | _____ | _____ |
| AVMT 312               | Reciprocating Engines                 | 3 | _____ | _____ |
| AVMT 320               | Turbine Engines                       | 3 | _____ | _____ |
| AVMX 418               | Principles of Troubleshooting         | 3 | _____ | _____ |
| AVMX 428               | Advanced Electronics                  | 3 | _____ | _____ |
| AVMX 451               | Aviation Maintenance Operations       | 3 | _____ | _____ |
| BUSI 300               | Business Communications               | 3 | _____ | _____ |
| BUSI 301               | Business Law                          | 3 | _____ | _____ |
| BUSI 310               | Principles of Management              | 3 | _____ | _____ |

#### Notes

All applicable prerequisites must be met

<sup>1</sup>Refer to the list of approved general education electives at [www.liberty.edu/gened](http://www.liberty.edu/gened) before enrolling in foundational skills requirements

<sup>2</sup>Students transferring in 45 or more UG credit hours will have the requirement of RLGN 104 waived; Students transferring in 60 or more UG credit hours will also have the requirement of THEO 104 waived

<sup>3</sup>Courses may also fulfill select General Education Requirements. Please refer to the list of approved general education electives at [www.liberty.edu/gened](http://www.liberty.edu/gened)

<sup>4</sup>Based on FAA requirements, the AVMT courses (45 hours) listed on this degree cannot be offered online and must be taken residually at Liberty University. You may complete FAA mechanic certification with Airframe and Powerplant ratings outside of Liberty University and Prior Learning Assessment (PLA) credit may be awarded for licensure to meet the requirements of the AVMT courses (45 hours)

*Suggested Course Sequence on second page*

#### Graduation Requirements

120 Total Hours

2.0 Overall grade point average

30 Hours must be upper-level courses (300-400 level)

Grade of 'C' Minimum required for all upper-level courses in the major

40% Of major taken through Liberty University

30 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

## **SUGGESTED COURSE SEQUENCE**

### **FRESHMAN YEAR**

| <u>First Semester</u> |          | <u>Second Semester</u>                     |          |
|-----------------------|----------|--------------------------------------------|----------|
| BIBL 104              | 4        | THEO 104                                   | 4        |
| ENGL 101              | 3        | Communications Elective <sup>1</sup>       | 3        |
| RLGN 104              | 4        | Information Literacy Elective <sup>1</sup> | 3        |
| UNIV 104              | 0-3      | Math Elective <sup>1</sup> [MATH 201]      | 3        |
| AVIA 105              | <u>3</u> | AVIA 245                                   | <u>3</u> |
| Total 14-17           |          | Total 16                                   |          |

### **SOPHOMORE YEAR**

|          |          |                                            |          |
|----------|----------|--------------------------------------------|----------|
| AVIA 300 | 3        | Critical Thinking Elective <sup>1</sup>    | 3        |
| AVIA 314 | 3        | Information Literacy Elective <sup>1</sup> | 3        |
| AVMX 418 | 3        | Natural Science Elective <sup>1</sup>      | 3        |
| BUSI 300 | 3        | AVMX 428                                   | 3        |
| BUSI 310 | <u>3</u> | BUSI 301                                   | <u>3</u> |
| Total 15 |          | Total 15                                   |          |

### **JUNIOR YEAR**

|                                        |          |
|----------------------------------------|----------|
| Cultural Studies Elective <sup>1</sup> | 3        |
| Social Science Elective <sup>1</sup>   | 3        |
| AVIA 400                               | 3        |
| AVIA 472                               | 3        |
| AVMX 451                               | <u>3</u> |
| Total 15                               |          |

#### **Notes**

<sup>1</sup>Refer to the list of approved general education electives at [www.liberty.edu/gened](http://www.liberty.edu/gened) before enrolling in foundational skills requirements