

# AVIATION MAINTENANCE TECHNICIAN (A.A.) - RESIDENT

**Important:** This degree plan is effective for those starting this degree program in fall 2025 through summer 2026. 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
	Communications 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
	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>37-40</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 & EVAN 101 waived; Students transferring in 60 or more UG credit hours will also have the requirements of THEO 201 & THEO 202 waived

## Major Requirements

Code	Title	Hours
<b>Major Courses</b>		
AVMT 101	Maintenance Mathematics	1
AVMT 102	Aircraft Sciences	3
AVMT 103	Maintenance Physics	1

Code	Title	Hours
AVMT 104	Maintenance Practices I	3
AVMT 105	Aircraft Weight and Balance	1
AVMT 106	Maintenance Practices II	3
AVMT 150	General Curriculum Final	0
AVMT 201	Airframe Auxiliary Systems I	1
AVMT 202	Aircraft Electrical Systems	3
AVMT 203	Aircraft Auxiliary Systems II	2
AVMT 204	Airframe Structures I	3
AVMT 206	Airframe Structures II	2
AVMT 207	Hydraulic and Pneumatic Systems	1
AVMT 208	Airframe Assembly and Inspection	2
AVMT 209	Landing Gear Systems	2
AVMT 211	Fire Protection	1
AVMT 213	Powerplant Fuel Systems	2
AVMT 214	Engine Electrical Systems	3
AVMT 215	Powerplant Lubrication Systems	1
AVMT 219	Engine Instrument Systems	1
AVMT 221	Propeller Systems	2
AVMT 223	Engine Inspections	1
AVMT 250	Airframe Curriculum Final	0
AVMT 312	Reciprocating Engine Technology	3
AVMT 320	Turbine Engine Technology	3
AVMT 350	Powerplant Curriculum Final	0
<b>Total Hours</b>		<b>45</b>

All applicable prerequisites must be met

## Graduation Requirements

- 82 total hours
- 2.0 Overall grade point average
- **Grade of 'C'** Minimum required for all upper-level courses in the major and all AVMT courses
- **25%** Of major taken through Liberty University
- **21** 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
<b>Freshman Year</b>		
<b>First Semester</b>		
ENGL 101	Composition and Rhetoric	3
THEO 201	Theology Survey I	2
UNIV 101	Foundational Skills	1
	Communication Elective <sup>1</sup>	3
	Natural Science Elective <sup>1</sup>	3
	Social Science Elective <sup>1</sup>	3
	Technology Competency <sup>2</sup>	0-3

Course	Title	Hours
CSER		0
<b>Hours</b>		<b>15-18</b>
<b>Second Semester</b>		
BIBL 105	Old Testament Survey	2
RLGN 105	Introduction to Biblical Worldview	2
THEO 202	Theology Survey II	2
Critical Thinking Elective <sup>1</sup>		3
Cultural Studies Elective <sup>1</sup>		3
Information Literacy Elective <sup>1</sup>		3
Math Elective <sup>1</sup>		3
CSER		0
<b>Hours</b>		<b>18</b>
<b>Sophomore Year</b>		
<b>First Semester</b>		
AVMT 101	Maintenance Mathematics	1
AVMT 102	Aircraft Sciences	3
AVMT 103	Maintenance Physics	1
AVMT 104	Maintenance Practices I	3
AVMT 105	Aircraft Weight and Balance	1
AVMT 106	Maintenance Practices II	3
AVMT 150	General Curriculum Final	0
AVMT 201	Airframe Auxiliary Systems I	1
AVMT 202	Aircraft Electrical Systems	3
AVMT 209	Landing Gear Systems	2
CSER		0
<b>Hours</b>		<b>18</b>
<b>Second Semester</b>		
BIBL 110	New Testament Survey	2
AVMT 204	Airframe Structures I <sup>3</sup>	3
AVMT 207	Hydraulic and Pneumatic Systems <sup>3</sup>	1
AVMT 203	Aircraft Auxiliary Systems II	2
AVMT 206	Airframe Structures II	2
AVMT 208	Airframe Assembly and Inspection	2
AVMT 211	Fire Protection	1
AVMT 219	Engine Instrument Systems	1
AVMT 221	Propeller Systems	2
AVMT 223	Engine Inspections	1
AVMT 250	Airframe Curriculum Final	0
CSER		0
<b>Hours</b>		<b>17</b>
<b>Third Semester</b>		
EVAN 101	Evangelism and the Christian Life	2
AVMT 213	Powerplant Fuel Systems	2
AVMT 214	Engine Electrical Systems	3
AVMT 215	Powerplant Lubrication Systems	1
AVMT 312	Reciprocating Engine Technology	3
AVMT 320	Turbine Engine Technology	3
AVMT 350	Powerplant Curriculum Final	0

Course	Title	Hours
CSER		0
<b>Hours</b>		<b>14</b>
<b>Total Hours</b>		<b>82-85</b>

<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> All students must pass the Computer Assessment OR complete applicable INFT course; refer to [www.liberty.edu/computerassessment](http://www.liberty.edu/computerassessment) for more information

<sup>3</sup> Spring Intensive

\*\*\*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