

# Associate of Applied Science in Aviation Maintenance Technology

## Sample Plan

The academic plan below is one pathway through the degree/certificate. It includes all requirements, taking into account recommendations from program faculty. Each student's plan may vary according to their initial course placement (<https://catalog.uaa.alaska.edu/academicpoliciesprocesses/academicstandardsregulations/courseplacement/>), intended course load, additional majors and/or minors, and their placement into required prerequisite courses. Any change in the plan below can have an unforeseen impact on the rest of the plan. **Therefore, it is very important to meet with your academic advisor to verify your personal academic plan.**

**Please review the following terms, definitions, and resources associated with the sample academic plan below.**

- Each course in the far left column links to a pop-up bubble with a course description, prerequisite requirements, and associations with university requirements. For example, if a course fulfills a general education requirement, you will see that in the pop-up bubble.
- GER:** indicates a General Education Requirement (<https://catalog.uaa.alaska.edu/undergraduateprograms/baccalaureaterequirements/gers/>). GERs that also count toward degree/certificate requirements appear as a specific course in the plan. For these courses, "GER" is not indicated explicitly in the table, but if you click on the course, you will see the course's GER status in the pop-up bubble.
- Program Elective:** indicates a specific course selection determined by program faculty to fulfill a degree/certificate requirement. Students should seek assistance from their academic advisor.
- Elective:** indicates an open selection of 100-400 level university courses to fulfill elective credits needed to meet the minimum total credits toward the degree/certificate.
- Upper Division Program Elective:** indicates a specific 300-400 level course selection determined by the program faculty to fulfill a degree/certificate requirement. Students should seek assistance from their academic advisor.
- Upper Division Elective:** indicates an open selection of 300-400 level courses to fulfill elective credits needed to meet the minimum total credits toward the degree/certificate. These courses must be upper division in order to meet General University Requirements for the particular degree/certificate type.

## Sample Plan - Airframe Concentration

### First Year

Spring		Credits
AMT A170	Aircraft Ground Operations and Safety <sup>1</sup>	1
AMT A171	Basic Aerodynamics <sup>1</sup>	2
AMT A172	Aircraft Publications, Regulations, and Records <sup>1</sup>	2
AMT A174 & A174L	Fundamentals of Aircraft Electronics and Fundamentals of Aircraft Electronics Lab <sup>1</sup>	4
AMT A175	Drawing and Precision Measurement <sup>1</sup>	1
AMT A176	Aircraft Materials and Processes I <sup>1</sup>	2
WRTG A111	Writing Across Contexts	3
<b>Credits</b>		<b>15</b>

### Second Year

#### Fall

AMT A273 & A273L	Aircraft Fluid Power Systems and Aircraft Fluid Power Systems Lab	3
AMT A274 & A274L	Aircraft Electronic Systems and Instruments and Aircraft Electronic Systems and Instruments Lab	5
MATH A104 or MATH A105	Technical Mathematics or Intermediate Algebra	3-4
WRTG A212	Writing and the Professions	3
<b>Credits</b>		<b>14-15</b>

#### Spring

AMT A181 & A181L	Aircraft Fuel Systems and Aircraft Fuel Systems Lab	4
AMT A185 & A185L	Aircraft Sheetmetal Structures and Aircraft Sheetmetal Structures Lab	4
AMT A186	Aircraft Non-Destructive Inspection Methods	2
GER Oral Communication Skills		3
<b>Credits</b>		<b>13</b>

### Third Year

#### Fall

AMT A283 & A283L	Aircraft Auxiliary and Avionics Systems and Aircraft Auxiliary and Avionics Systems Lab	3
AMT A285 & A285L	Aircraft Bonded Structures and Aircraft Bonded Structures Lab	3
AMT A286	Aircraft Materials and Processes II	1
AMT A288 & A288L	Airframe Assembly and Inspections and Airframe Assembly and Inspections Lab	5
Electives		6-7
<b>Credits</b>		<b>18-19</b>
<b>Total Credits</b>		<b>60-62</b>

<sup>1</sup> Spring start due to course offerings and sequencing.

## Sample Plan - Powerplant Concentration

### First Year

Fall		Credits
AMT A170	Aircraft Ground Operations and Safety <sup>2</sup>	1
AMT A171	Basic Aerodynamics <sup>2</sup>	2
AMT A172	Aircraft Publications, Regulations, and Records <sup>2</sup>	2
AMT A174 & A174L	Fundamentals of Aircraft Electronics and Fundamentals of Aircraft Electronics Lab <sup>2</sup>	4
AMT A175	Drawing and Precision Measurement <sup>2</sup>	1
AMT A176	Aircraft Materials and Processes I <sup>2</sup>	2
AMT A177	Aircraft Powerplant Theory <sup>2</sup>	3
<b>Credits</b>		<b>15</b>

### Spring

AMT A181 & A181L	Aircraft Fuel Systems and Aircraft Fuel Systems Lab	4
AMT A186	Aircraft Non-Destructive Inspection Methods	2
AMT A187 & A187L	Aircraft Powerplant Repair and Overhaul and Aircraft Reciprocating Engine Overhaul Lab	5
WRTG A111	Writing Across Contexts	3
<b>Credits</b>		<b>14</b>

### Second Year

#### Fall

AMT A184 & A184L	Aircraft Electrical Machinery and Aircraft Electrical Machinery Lab	3
AMT A274 & A274L	Aircraft Electronic Systems and Instruments and Aircraft Electronic Systems and Instruments Lab	5
AMT A279L	Aircraft Turbine Engine Repair and Overhaul Lab	1
MATH A104 or MATH A105	Technical Mathematics or Intermediate Algebra	3-4
WRTG A212	Writing and the Professions	3
<b>Credits</b>		<b>15-16</b>

#### Spring

AMT A282	Aircraft Propeller Systems	1
AMT A287 & A287L	Aircraft Powerplant Installation and Operation and Aircraft Powerplant Installation and Operation Lab	5

Electives	6-7
<b>Credits</b>	<b>12-13</b>
<b>Total Credits</b>	<b>56-58</b>

<sup>2</sup> Fall start due to course offerings and sequencing.