Associate of Applied Science in Aviation Maintenance Technology

The Associate of Applied Science in Aviation Maintenance is designed to prepare graduates for employment as maintenance technicians in general aviation, corporate aviation, airlines or aerospace manufacturers. In addition to traditional aircraft maintenance courses, the curriculum emphasizes modern aircraft systems.

Admission Requirements

- Satisfy the Application and Admission Requirements for Associate Degree Programs (http://catalog.uaa.alaska.edu/academicpoliciesprocesses/admissions/undergraduate).
- Apply for admission to the AMT program by contacting the Aviation Technology Division (ATD) at 2811 Merrill Field Drive in Anchorage, calling (907) 786-7200 or visiting www.uaa.alaska.edu/aviation (http://www.uaa.alaska.edu/aviation).

Advising

All students must meet with an ATD academic advisor prior to beginning any program of study and are encouraged to meet each semester for the purpose of reviewing their academic progress and planning future courses. It is particularly important for students to meet with their advisor whenever academic difficulties arise. Degree check sheets are available in the ATD office. See the ATD advisor for appropriate sequence of courses.

The AAS normally requires one semester of study beyond a certificate program. AMT students may elect to continue their studies while pursuing a Bachelor of Science in Aviation Technology or Bachelor of Science in Technology at UAA. Those intending to pursue a four-year degree must discuss their plans with an AMT faculty advisor for proper course sequence.

AAS degree candidates who have completed an FAA approved program in aviation maintenance at a nationally or regionally accredited institution, passed all courses in the major with a grade of C or better, and currently hold a valid FAA Mechanic’s Certificate may, with the approval of the department, use the certificate for a portion of the AAS major degree requirements. Individuals considering this option must discuss their plans with an AMT faculty advisor.

Computer Literacy

This degree requires computer competency, which may be demonstrated by any one of the following:

- A 3-credit course in computer language or an introductory course in data processing or microcomputers.
- Work-related experience verifying computer literacy as approved by the faculty advisor.
- Self-initiated computer literacy as approved by the faculty advisor.

Mathematics Proficiency

Demonstrate a proficiency in mathematics at or exceeding MATH A105 level, verified through transcripts or ACCUPLACER score.

Graduation Requirements

- Satisfy the General University Requirements for Associate of Applied Science Degrees (http://catalog.uaa.alaska.edu/undergraduateprograms/aasrequirements).
- Complete the General Course Requirements for Associate of Applied Science Degrees (http://catalog.uaa.alaska.edu/undergraduateprograms/aasrequirements/generalcourserequirements).
- Complete the Program Requirements below.

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>AMT A170</td>
<td>Aircraft Ground Operations and Safety</td>
<td>1</td>
</tr>
<tr>
<td>AMT A171</td>
<td>Basic Aerodynamics</td>
<td>3</td>
</tr>
<tr>
<td>AMT A172</td>
<td>Aircraft Publications, Regulations and Records</td>
<td>3</td>
</tr>
<tr>
<td>AMT A175</td>
<td>Drawing and Precision Measurement</td>
<td>2</td>
</tr>
<tr>
<td>AMT A176</td>
<td>Aircraft Materials and Processes I</td>
<td>2</td>
</tr>
<tr>
<td>AMT A181 &amp; A181L</td>
<td>Aircraft Fuel Systems and Aircraft Fuel Systems Lab</td>
<td>4</td>
</tr>
<tr>
<td>AMT A186</td>
<td>Aircraft Non-Destructive Inspection Methods</td>
<td>3</td>
</tr>
<tr>
<td>AMT A272</td>
<td>Aircraft Electrical Hardware and Systems</td>
<td>3</td>
</tr>
<tr>
<td>AMT A274 &amp; A274L</td>
<td>Aircraft Electronic Systems and Aircraft Electronic Systems Lab</td>
<td>6</td>
</tr>
</tbody>
</table>

Total Credits: 32

Complete one of the following concentration areas:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMT A185 &amp; A185L</td>
<td>Aircraft Sheetmetal Structures and Aircraft Sheetmetal Structures Lab</td>
<td>5</td>
</tr>
<tr>
<td>AMT A273 &amp; A273L</td>
<td>Aircraft Fluid Power Systems and Aircraft Fluid Power Systems Lab</td>
<td>4</td>
</tr>
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</table>
**Program Student Learning Outcomes**

At the completion of this program, graduates will be able to:

- Demonstrate proficient, entry-level aviation maintenance skills.
- Demonstrate proficiency in emphasis area skills: airframe or powerplant.
- Demonstrate knowledge of aircraft engines, structures, and systems, as well as appropriate FAA regulations.
- Demonstrate knowledge of industry information: current status, segments and opportunities.
- Demonstrate critical thinking, problem solving, and communication skills.

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**Code** | **Title** | **Credits**
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AMT A283 & A283L | Aircraft Auxiliary Systems and Aircraft Auxiliary Systems Lab | 4
AMT A285 & A285L | Aircraft Bonded Structures and Aircraft Bonded Structures Lab | 5
AMT A286 | Aircraft Materials and Processes II | 2
AMT A364 | Aircraft Avionics Systems | 3
AMT A369 & A369L | Airframe Assembly and Inspections and Airframe Assembly and Inspections Lab | 5

Total Credits | 28

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A total of 75 credits is required for the degree.

**Licensure and/or Certification**

Graduates of the Associate of Applied Science in Aviation Maintenance Technology are eligible to sit for the Federal Aviation Administration (FAA) national certification examination(s).

Students planning to seek a professional license or certificate in a state other than Alaska are required to contact the UAA offering department before enrolling to determine if the program meets the licensing/certification requirements of the state in which they wish to practice.