Associate of Applied Science in Aviation Maintenance Technology

The Associate of Applied Science (AAS) in Aviation Maintenance Technology 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.

The AAS in Aviation Maintenance Technology prepares students for advancement beyond basic certification as maintenance technicians in general aviation, corporate aviation, airlines or aerospace manufacturing. The curriculum emphasizes critical thinking, problem solving, current aircraft technology and systems, as well as legacy aircraft.

The AAS in Aviation Maintenance Technology constitutes the first two years of the Bachelor of Science (BS) in Applied Technologies Leadership.

Admission Requirements

- Complete the Admission Requirements for Associate Degrees. (http://catalog.uaa.alaska.edu/academicpoliciesprocesses/admissions/undergraduate/)

Special Considerations

- Due to specific FAA requirements, all students must meet with an Aviation Technology Division (ATD) academic advisor prior to beginning any AMT program of study and are to meet each semester for the purpose of reviewing their academic progress and planning future courses.
- Students are required to have their own basic hand tools for work in AMT lab classes.

Graduation Requirements

- Complete the General University Requirements for Associate of Applied Science Degrees (http://catalog.uaa.alaska.edu/undergraduateprograms/aasrequirements/).
- Complete the General Education Requirements for Associate of Applied Science Degrees (http://catalog.uaa.alaska.edu/undergraduateprograms/aasrequirements/generaleducationrequirements/).
- Complete the following major requirements:

Code	Title	Credits
Core Courses		
AMT A170	Aircraft Ground Operations and Safety	1
AMT A171	Basic Aerodynamics	3
AMT A172	Aircraft Publications, Regulations, and Records	3
AMT A174 & A174L	Fundamentals of Aircraft Electronics and Fundamentals of Aircraft Electronics Lab	5
AMT A175	Drawing and Precision Measurement	2
AMT A176	Aircraft Materials and Processes I	2
AMT A181 & A181L	Aircraft Fuel Systems and Aircraft Fuel Systems Lab	4
AMT A186	Aircraft Non-Destructive Inspection Methods	3
AMT A272	Aircraft Electrical Hardware and Systems	3
AMT A274 & A274L	Aircraft Electronic Systems and Aircraft Electronic Systems Lab	6
Complete one of the following concentration areas:		**28**
Airframe Concentration		
AMT A185	Aircraft Sheetmetal Structures	
AMT A185L	Aircraft Sheetmetal Structures Lab	
AMT A273	Aircraft Fluid Power Systems	
AMT A273L	Aircraft Fluid Power Systems Lab	
AMT A283	Aircraft Auxiliary Systems	
AMT A283L	Aircraft Auxiliary Systems Lab	
AMT A285	Aircraft Bonded Structures	
AMT A285L	Aircraft Bonded Structures Lab	
AMT A286	Aircraft Materials and Processes II	
AMT A364	Aircraft Avionics Systems	
AMT A369	Airframe Assembly and Inspections	
AMT A369L	Airframe Assembly and Inspections Lab	
Powerplant Concentration		
AMT A177	Reciprocating Engine Theory	
AMT A178	Turbine Engine Theory	
AMT A187	Aircraft Reciprocating Engine Overhaul	
AMT A187L	Aircraft Reciprocating Engine Overhaul Lab	
AMT A279	Aircraft Turbine Engine Repair and Overhaul	
AMT A279L	Aircraft Turbine Engine Repair and Overhaul Lab	
AMT A282	Aircraft Propeller Systems	
AMT A284	Aircraft Electrical Machinery	
AMT A284L	Aircraft Electrical Machinery Lab	
AMT A287	Reciprocating Engine Installation and Operation	

AMT A287L	Reciprocating Engine Installation and Operation Lab	
AMT A289	Turbine Engine Installation and Operation	
AMT A289L	Turbine Engine Installation and Operation Lab	
Total		**60**

A minimum of 72 credits is required for the degree.