

AVIATION MAINTENANCE TECHNOLOGY

Students who wish to pursue Federal Aviation Administration (FAA) Certification as a mechanic with either an airframe, powerplant, or airframe and powerplant rating may choose from four options. Students who wish to become light sport aircraft pilots or mechanics have an additional option.

Students may be eligible to receive credit for some courses in these curricula through the College's advanced standing process. Examples include credit by examination or by articulation agreement.

Aviation Maintenance Technology

Award: Associate of Applied Science Degree

Possible occupations for graduates are: entry-level positions in the maintenance, repair, overhaul and modification of aircraft (following Federal Aviation Administration certification as mechanic with airframe and powerplant ratings). Students who earn the Associate of Applied Science Degree in Aviation Maintenance Technology are additionally better qualified for positions in the industry as lead mechanics, shop foreman, and directors of maintenance.

The Aviation Maintenance Technology (Airframe and Powerplant) Associate of Applied Science Degree provides students with a background to qualify for the Federal Aviation Administration (FAA) mechanic's certificate with both airframe and powerplant ratings along with the general education skills to enhance their technical skills.

Curriculum

Course No.	Title	Credits
First Semester		
SDV	Student Development	1
MTH 103	Applied Technical Mathematics ^a	3
AMT 103	Basic Electricity and Lab ^a	2
AMT 105-106	Aviation Science for Mechanics and Lab	4
AMT 107	Aircraft Drawings	1
AMT 109-110	Materials and Processes and Lab	2
AMT 111	Federal Aviation Regulations	1
AMT 261-262	Aircraft Electrical Systems and Lab	<u>3</u>
		17
Second Semester		
HLT/PED	Health or Physical Education	1
AMT 221-222	Non-Metallic Structures and Lab	4
AMT 223-224	Metallic Structures and Lab	4
AMT 241-242	Reciprocating Engines and Lab	4
AMT 243-244	Turbine Engines and Lab	<u>4</u>
		17
Third Semester		
	Social Science Elective	3
AMT 231-232	Aircraft Landing Gear Systems and Lab	3
AMT 233-234	Communication/Navigation and Control Systems and Lab	3
AMT 253-254	Ignition Systems and Lab	2
AMT 255-256	Fuel Metering Systems and Lab	3
AMT 263-264	Aircraft Fuel, Fire, and Instrument Systems	<u>3</u>
		17

Course No.	Title	Credits
Fourth Semester		
ENG 111	College Composition I or	3
ENG 137	Communication Processes Humanities/Fine Arts Elective ^b	(3) 3
HLT/PED	Health or Physical Education	1
AMT 225-226	Assembly and Rigging and Lab	2
AMT 227-228	Airframe Inspection and Lab	2
AMT 245-246	Powerplant Inspections and Lab	2
AMT 251-252	Lubrication Systems and Propellers and Lab	<u>3</u>
		16
Total credits required		67

^a AMT 103 has a co-requisite of MTH 103

^b Please refer the list of Humanities/Fine Arts and Social/Behavioral Science electives that are approved to fulfill these requirements available in Admissions and Records.