

AVIATION MAINTENANCE TECHNOLOGY

Airframe Maintenance

Award: Certificate

Purpose: to provide students with the content and skills needed for entry-level positions as general aircraft-overhaul mechanic, accessory mechanic, electric-shop mechanic, general cabin-equipment mechanic, maintenance-crew member, ramp-service crew member, and hangar-crew member. After obtaining experience and further training, certificate completers may advance to positions such as airframe technician (licensed), supervisor and inspector.

Students who wish to earn the Associate of Applied Science Degree in Aviation Maintenance Technology may apply all coursework from this certificate to the degree.

Course No.	Title	Credits
First Semester		
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>
		16
Second Semester		
ENG 111	College Composition I	3
	or	
ENG 137	Communication Processes I	(3)
AMT 221-222	Non-Metallic Structures and Lab	4
AMT 223-224	Metallic Structures and Lab	<u>4</u>
		11
Third Semester		
AMT 231/232	Aircraft Landing Gear Systems	3
AMT 233/234	Communication/Navigation and Control Systems	3
AMT 263/264	Aircraft Fuel, Fire, and Instrument Systems	<u>3</u>
		9
Fourth Semester		
AMT 225-226	Assembly and Rigging and Lab	2
AMT 227-228	Airframe Inspection and Lab	<u>2</u>
		4
Total credits required		40

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