

## Powerplant Maintenance

### Award: Certificate

Purpose: to provide students with the content and skills needed for entry-level positions as general aircraft engine-overhaul mechanic, accessory mechanic, electric-shop mechanic, and general engine mechanic. After obtaining experience and further training, certificate completers may advance to positions such as powerplant 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
<b>First Semester</b>		
MTH 103	Applied Technical Mathematics <sup>a</sup>	3
AMT 103	Basic Electricity and Lab <sup>a</sup>	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
<b>Second Semester</b>		
ENG 111	College Composition I or	3
ENG 137	Communication Processes I	(3)
AMT 241-242	Reciprocating Engines and Lab	4
AMT 243-244	Turbine Engines and Lab	<u>4</u>
		11
<b>Third Semester</b>		
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>
		8
<b>Fourth Semester</b>		
AMT 245-246	Powerplant Inspections and Lab	2
AMT 251-252	Lubrication Systems and Propellers and Lab	<u>3</u>
		5
<b>Total credits required</b>		<b>40</b>

<sup>a</sup> AMT 103 has a co-requisite of MTH 103