

# Aviation Maintenance Technology Powerplant Certificate *Pending Federal Aviation Administration approval.*

Students should consult with an advisor about the general education course requirements.

A candidate for the Aviation Maintenance Technology program must complete the following required course of study.

Course #	Course Title	Credits	Prerequisites
<b>First Semester</b>			
	General Education Course*	3	
AMT 101	General Module 1 (5 weeks)	6	ENL020 & ENL050 or Satisfactory basic skills assessment
AMT 102	General Module 2 (5 weeks)	6	AMT 101 with a grade of C or higher
<b>Second Semester</b>			
	General Education Course*	3	
<b>Third Semester</b>			
	General Education Course*	3	
AMT 203	Powerplant Module 1 (9.5 weeks)	9	AMT 102 with a grade of C or higher
AMT 204	Powerplant Module 2 (9.5 weeks)	9	AMT 203 with a grade of C or higher
<b>Total Credits</b>		<b>39</b>	

### Overview

The Aviation Maintenance Technology certificate develops students towards an Airframe & Powerplant license. The Powerplant Certificate requires a total of 39 credits for completion. Three general education courses are required for a certificate and can be taken at any time. The entire program develops students in a one year process as an Aviation Maintenance Technician.

### Career Outlook

Labor market data shows a strong need for aviation industry education targeting occupations like aviation maintenance technicians, inspectors, engineering & operating technicians, rigging & system assemblers, powerplant technicians, aviation managers, and directors of maintenance. The 12-month program will increase the number of aviation technicians and address the regional workforce gaps.

### Program Outcomes

Upon successful completion of the Aviation Maintenance Technology Concentration, students are able to:

- Receive Powerplant Certificate.
- Sit for FAA license exam.
- Demonstrate the knowledge of aviation maintenance and increase opportunities to enter an aviation career field.

\*General education courses may be chosen from a list in the college catalog. Three general education courses are required for this certificate program. Choose from the following list to stack for the Associate in Applied Science degree in Aviation Maintenance Technology:

- ENL101 English Composition I
- ENL102 English Composition II
- PHY151 Physics I
- GIT110 Microcomputer Applications Software
- 1 Mathematics:
  - MAT150 Elementary Statistics (or)
  - MAT175 College Algebra (or)
  - MAT180 Applied Calculus (or)
  - MAT240 Calculus I
- Recommended for transfer to Bridgewater State University:
  - PHI131 Logic
  - ECO117 Macroeconomics
  - MAT240 Calculus

The AMT curriculum will be offered eight hours a day for five days a week. The posted schedule will allow for a few holidays.

MA Aviation Workforce Development web site:  
[www.mass.gov/lwd/](http://www.mass.gov/lwd/)