

Powerplant Certificate

Degree Type Certificate

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.

Attendance at an [AMT Information Session](#) is **required** for all applicants to the program.

- For more information: [AMT Program Overview](#)
- The AMT program has special fees. For program costs visit [Tuition and Fees](#) - specific to Aviation Technology Maintenance Program.
- This program is located at our Plymouth Airport facility.
- Housing is available at Bridgewater State University.
- US Department of Labor Statistics website: [Aircraft Mechanics and Service Technicians](#)

Learn more about the program at [Powerplant Certificate](#)
Admissions Information: [AMT Admissions](#)

Requirements

First Semester

Item #	Title	Credits
AMT110	Aviation Maintenance Technology (AMT): General Module 1	6
AMT120	Aviation Maintenance Technology (AMT): General Module 2	6

Second Semester

Item #	Title	Credits
AMT230	Aviation Maintenance Technology: Powerplant Module 1	10
AMT240	Aviation Maintenance Technology: Powerplant Module 2	8

The AMT General Modules run Monday–Thursday; Airframe Modules run Monday–Friday.

Total Credits	30
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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.

This [occupational profile](#) is provided by O*NET.

Program Outcomes

Upon successful completion of the Aviation Maintenance Technology certificate, 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.

Technical Standards

In order to successfully complete the Aviation Maintenance Technology Program (AMT) and work in the field of aviation maintenance, certain physical capabilities are required throughout the program and in the industry. All AMT students must be able to satisfy the following standards without a reasonable accommodation.

Communication

- Communicate verbally in understandable English including the ability to hear and speak normally without electronic assistance.
- Must always wear hearing protection in areas of high noise levels.
- Contact the front desk and/or Instructor when tardy or late for class.
- Participate in classroom discussions and team projects during class including shop/lab time.

Vision

- See and accurately read all written assignments, texts, manuals, and other required materials.
- Have vision abilities including close vision, distance vision, and ability to adjust focus.
- Must always wear eye protection.

Physical

- Ability to lift 30–50 pounds unassisted in a safe manner.
- Be able to sit, walk, and stand for extended periods of time.
- Be able to kneel, crouch, stoop, crawl, reach, twist, lying down, handle, finger, and feel.
- Ability to raise arms over one's head.
- Use scaffolds, ladders, and aviation specific equipment.
- Use of hand, power tools and testing equipment.
- Have no disease or disability that does not allow the contact or use of required tools, chemicals, or equipment needed to perform essential duties and tasks.
- Work often outdoors or inside hangar in inclement weather conditions.

Behavioral/Mental Performance

- Function safely, effectively and calmly.
- Prioritize and manage tasks simultaneously.
- Exhibit social skills necessary to interact with classmates, faculty and staff, visitors, and industry.
- Maintain personal hygiene consistent with program dress code guidelines.
- Display ethical attitudes and actions consistent with professional behavior of the Aircraft Mechanic's Creed and FAA regulations.
- Display the social skills to behave with politeness, tact and sensitivity to others in all settings.
- Exhibit respect for cultural and ethnic differences of clients, peers and individuals in health care and classroom settings.
- Remain free from alcohol and/or chemical impairment in classroom and clinical settings at all times.

AMT Location

Plymouth Airport

246 South Meadow Road
Plymouth, MA 02360
Gate 6, Building S3-H1 & H2

Housing

Housing is available at Bridgewater State University

4Cs Aviation students housed at BSU have access to:

- All common area kitchen, lounge and recreation spaces within the assigned residence hall.
- All programs and activities offered by the residence hall staff within the assigned residence hall.
- Parking in resident student parking lots.
- Services provided by Counseling and Health Services.
- All BSU facilities, including the library and fitness facilities.

Bridgewater State University

131 Summer Street
Bridgewater, MA 02325

Only 30 minutes to:

Plymouth Airport

246 South Meadow Road
Plymouth, MA 02360

Housing costs cover:

- Room
- Meal Plan (optional)
- Parking
- ResNet (Cable, Internet, WEPA printing, Xfinity on Campus, ResNet Cinema movies, HBO Go and telephone)
- CONNECT Card

For more information on current costs and availability contact the Admissions Office:

Phone 774-330-4311
E-mail admiss@capecod.edu

Prerequisite Statement

To graduate within this program in the specified time, students must begin in the Fall semester and successfully place into required courses based on placement test results and/or high school GPA. Academic advisors can assist with questions.