

Aviation Maintenance Technology Program

Degree Type

Associate in Applied Science

Aviation maintenance technicians (AMT's) are the professionals who fix and maintain aircraft. AMT's repair and service nearly every part and system of an aircraft, including landing gear, aircraft structure and engine systems. AMT's are also called A&P mechanics because of their airframe and power plant certifications. The unique, 24-month airplane maintenance training program at 4Cs Plymouth Airport facility meets a critical need for highly skilled technicians in airframe and power plant repair and certification—including full FAA Certification. The Associates of Applied Science – Aviation Maintenance Technology program fosters student responsibility, accountability, and management skills.

Attendance at an AMT Information Session is **required** for all applicants to the program.

For program costs visit [Tuition and Fees](#) - specific to Aviation Technology Maintenance Program.

Additional information about the AMT program is available at [AMT Overview](#).

For information and to apply, visit [AMT Admissions](#).

Requirements

General Education

Item #	Title	Credits
ENL101	English Composition I	3
	MAT150 or MAT175 or MAT180 or MAT240	3-4
ENL102	English Composition II	3
PHY151	Physics I	4
	Behavioral & Social Sciences	3
	Behavioral & Social Sciences	3
	AMT Elective: choose BST110 (GIT110) or AMT100	3

Program Requirements

Item #	Title	Credits
AMT110	Aviation Maintenance Technology (AMT): General Module 1	6
AMT120	Aviation Maintenance Technology (AMT): General Module 2	6
AMT210	Aviation Maintenance Technology: Airframe Module 1	8
AMT220	Aviation Maintenance Technology: Airframe Module 2	10
AMT230	Aviation Maintenance Technology: Powerplant Module 1	10
AMT240	Aviation Maintenance Technology: Powerplant Module 2	8

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

Total Credits	70-71
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Career Outlook

The aviation labor market data shows a strong need for occupations such as aviation maintenance technicians, avionics, engineering & operating technicians, inspectors, aircraft structures, rigging & systems assemblers, aviation managers, and directors of maintenance. The AAS degree program prepares students for careers as aviation technicians in maintenance and repair and will allow growth for the technician and a pathway to management roles in the industry.

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

Program Outcomes

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

- Demonstrate knowledge of aviation maintenance and increase opportunities in an aviation career field.
- Excel in management, responsibility and leadership roles.
- Provide organizational influence and direction in aviation operations. The Aviation modules are divided into three main categories of instruction identified by the Federal Aviation Administration - General, Airframe, and Powerplant leading them to the FAA A&P Certification

Students must pass:

- [AMT110](#), [AMT120](#) and [AMT210](#) to sit for the FAA General Maintenance Certification Written Exam.
- [AMT110](#), [AMT120](#), [AMT210](#) and 750 Hours of [AMT110](#), [AMT120](#), [AMT210](#) and [AMT220](#) to sit for the FAA Certification Written Airframe, then FAA General and Airframe Oral & Practical Exams.
- [AMT120](#), [AMT120](#), [AMT210](#) and 750 Hours of [AMT220](#), [AMT230](#) and [AMT240](#) to sit for the FAA Certification Written Powerplant Exam, then General and Powerplant Oral & Practical Exams.

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

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.