

Associate in Applied Science Aviation Maintenance Technology Program *Pending Federal Aviation Administration approval.*

To graduate in the Aviation Maintenance Technology Program, a student must complete the following required course of study.

Course #	Course Title	Credits	Prerequisites	Semester Offered	Semester Taken	Grade Earned
General Education						
ENL101	English Composition I	3	Appropriate scores in Reading Comprehension & in Sentence Skills on CPT or grade of C or better in ENL020 & ENL050 or ESL201	Fall, Spring, Summer		
MAT150	Elementary Statistics (or)	3	MAT035 or MAT040 or satisfactory basic skills assessment score	Fall, Spring Summer Fall, Spring, Summer Varies		
MAT175	College Algebra (or)	4	MAT045 or satisfactory basic skills assessment score			
MAT180	Applied Calculus (or)	4	MAT171 or MAT175			
*MAT240	Calculus I	4	MAT190 or MAT195			
ENL102	English Composition II	3	A grade of C- or higher in ENL101	Fall, Spring, Summer		
PHY151	Physics I	4	(MAT040 or MAT110 or MAT035), ENL020 & ENL050 or satisfactory basic skills assessment scores	Fall, Summer		
	Behavioral & Social Science	3	*ECO117 recommended	Fall, Spring, Summer		
	Behavioral & Social Science	3	*PHI131 recommended	Varies		
GIT110	Microcomputer Applications Software	3	ENL020 & ENL050 or satisfactory basic skills assessment score & (GIT101, GIT102 or 30wpm)	Fall, Spring, Summer		
Total General Education Credits		22/23				
Program Requirements						
AMT101	AMT General Module 1 (5 weeks)	6	ENL020 & ENL050 or satisfactory basic skills assessment score	Varies		
AMT102	AMT General Module 2 (5 weeks)	6	A grade of C or higher in AMT101	Varies		
AMT201	AMT Airframe Module 1 (9.5 weeks)	9	A grade of C or higher in AMT102	Varies		
AMT202	AMT Airframe Module 2 (9.5 weeks)	9	A grade of C or higher in AMT201	Varies		
AMT203	AMT Powerplant Module 1 (9.5 weeks)	9	A grade of C or higher in AMT102	Varies		
AMT204	AMT Powerplant Module 2 (9.5 weeks)	9	A grade of C or higher in AMT203	Varies		
Total Aviation Program Credits		48		Varies		
Total General Education & Aviation Program Credits		70/71				

Overview

The Associates of Applied Science (AAS) degree fosters student responsibility, and accountability, and management skills. The degree requires a total of 70/71 credits for completion. The Airframe and Powerplant program is 48 credits. Each student will require an additional 22/23 credits of general education. The additional credits can be earned at any time the student wants to pursue this pathway.

Career Outlook

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

Program Outcomes

Upon successful completion of the Associates of Applied Science degree, 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.

- AMT General Modules consist of 400 lab and lecture hours
- AMT Airframe Modules consist of 750 lab and lecture hours
- AMT Powerplant Modules consist of 750 lab and lecture hours

In order to complete 1900 hours of lab and lecture, the AMT curriculum is offered eight hours a day for five days a week 12 months a year.

Students must pass:

- 400 hours of AMT101-102 to sit for the FAA General Maintenance certification exam.
- 400 hours of AMT101-102 and 750 hours of AMT201-202 to sit for the FAA Airframe certification exam.
- 400 hours of AMT101-102 and 750 hours of AMT203-204 to sit for the FAA Powerplant certification exam

NOTE: *MAT240 Calculus I, PHI131 Logic and ECO117 Principles of Macroeconomics are required for Bridgewater State University but can be completed at Bridgewater State University upon transfer.