

Prepared by the Department of Natural Sciences & Applied Technology

Date of Departmental Approval: March 18, 2018

Date Approved by Curriculum and Programs: April 4, 2018

Effective: Fall 2018

1. **Course Number: AMT102**  
**Course Title: Aviation Maintenance Technology (AMT): General Module 2**
2. **Description:** AMT General Module 2 for the Federal Aviation Administration (FAA) is required by Title 14 of the Code of Federal Regulations (14 CFR) Advisory Circular Part 147-3B. AMT General Module 2 introduces students to the applications of weight and balance, fluid lines and fittings, materials and processes, ground operation and servicing, and cleaning and corrosion control.
3. **Student Learning Outcomes:**  
Upon successful completion of this course, students are able to do the following.
  - Fabricate and install aircraft lines and fittings for proper operation on aircraft.
  - Use proper procedures for starting, moving, servicing, and fueling aircraft.
  - Apply basic aircraft cleaning materials, methods, and corrosion control to aircraft.
  - Use proper procedures for inspection, troubleshooting, service, repair, and testing of electrical, fuel, fire protection systems on aircraft.
  - Use inspection and troubleshooting procedures for engine & aircraft instrument indicating systems to operate aircraft safely.
  - Identify proper cleaning materials, and identify, inspect and treat various corrosion on aircraft.
4. **Credits:** 6 credits
5. **Satisfies General Education Requirement:** No
6. **Prerequisite:** ENL108 (Critical Reading & Thinking) or satisfactory basic skills assessment score
7. **Semesters Offered:** Cohorts entering in September, January, May
8. **Suggested General Guidelines for Evaluation:** The course grade will be based on class work, laboratory, quizzes, tests, projects, and a final exam. Specific course grading procedures and make-up policies are detailed in a Cape Cod Community College Aviation Manual and an instructor course outline.
9. **General Topical Outline:**
  - Weight and Balance
  - Fluid Lines and Fittings
  - Materials and Processes
  - Ground Operation and Servicing
  - Cleaning and Corrosion Control