

Prepared by the Department of Natural Sciences & Applied Technology

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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

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