

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: AMT201**
Course Title: Aviation Maintenance Technology (AMT): Airframe Module 1
2. **Description:** AMT Airframe Module 1 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 Airframe Module 1 introduces students to the applications of wood structures, aircraft coverings, aircraft finishes, sheet metal and non-metallic structures, welding, assembly and rigging, and landing gear systems.
3. **Student Learning Outcomes:**
Upon successful completion of this course, students are able to do the following.
 - Service and repair wood aircraft structures
 - Inspect, test and repair coverings
 - Apply finish materials, trim, letters and touch up paint
 - Inspect and repair sheet metal and non-metallic structures
 - Solder, braze, and gas weld various aircraft materials
 - Assemble, balance, and rig various aircraft components and flight control surfaces
 - Inspect, check, service and repair landing gear and related systems.
4. **Credits:** 9 credits
5. **Satisfies General Education Requirement:** No
6. **Prerequisite:** Grade of C or higher in AMT101 (AMT: General Module I) and AMT102 (AMT: General Module II)
7. **Semesters Offered:** Varies
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:**
 - Wood structures
 - Aircraft coverings
 - Aircraft finishes
 - Sheet metal and non-metallic structures
 - Welding
 - Assembly and rigging
 - Landing gear systems