

**Florida Department of Education  
Student Performance Standards**

**Program Title:** Aviation Airframe Mechanics  
**PSAV Number:** T640300

**Course Number:** AMT0705  
**Occupational Completion Point:** A  
**Aviation Maintenance General Technician – 450 Hours – SOC Code 49-3011**

**Course Description:**

The Aviation Maintenance General Technician course prepares students for entry into the aviation industry. Students explore career opportunities and requirements of a professional aviation mechanic. Students study basic electricity, aircraft drawing, weight, balance, fluid lines, fittings, materials, processes, operations, services, cleaning, corrosion-control, math, forms, records, basic physics, maintenance publications, communication, and employability skills.

<b>CTE Standards and Benchmarks</b>	
01.0	Perform basic aircraft drawing skills.
02.0	Demonstrate aircraft weight and balance skills
03.0	Perform ground operations and servicing duties
04.0	Demonstrate mathematical skills.
05.0	Maintain forms and records.
06.0	Apply principles of basic physics.
07.0	Demonstrate the use of maintenance publications.
08.0	Demonstrate appropriate communication skills.
09.0	Demonstrate employability skills as an Aviation Maintenance General Technician.
10.0	Maintain aircraft fluid lines and fittings.
11.0	Perform aircraft materials and processes skills.
12.0	Perform cleaning and corrosion-control operations.
13.0	Perform basic electricity skills.
14.0	Interpret mechanic privileges and limitations.

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**Course Number: AMT0765**

**Occupational Completion Point: B (1 of 2)**

**Aviation Maintenance Airframe Technician 1 – 450 Hours – SOC Code 49-3011**

**Course Description:**

The Aviation Maintenance Airframe Technician 1 course is designed to build on the skills and knowledge students learned in the Aviation Maintenance General Technician course. Students explore career opportunities and requirements of a professional aviation mechanic. Students study wood structures, aircraft covering, finishes, metallic and non-metallic surfaces, basic welding, assembly, rigging, airframe inspection, landing gear, hydraulic and pneumatic systems, atmosphere control, aircraft instruments, communication, and navigation systems.

<b>CTE Standards and Benchmarks</b>	
15.0	Maintain wood structures.
16.0	Perform aircraft covering.
17.0	Apply aircraft finishes.
18.0	Repair sheet-metal and non-metallic structures.
19.0	Perform and identify proper welding.
20.0	Perform assembly and rigging.
21.0	Perform airframe inspection.
22.0	Maintain aircraft landing gear systems.
23.0	Maintain hydraulic and pneumatic power systems.
24.0	Maintain cabin atmosphere control systems.
25.0	Maintain aircraft instrument systems.
26.0	Maintain communication and navigation systems.

**Course Number: AMT0766**

**Occupational Completion Point: B (2 of 2)**

**Aviation Maintenance Airframe Technician 2 – 450 Hours – SOC Code 49-3011**

**Course Description:**

The Aviation Maintenance Airframe Technician 2 course is designed to build on the skills and knowledge students learned in the Aviation Maintenance Airframe Technician 1 course. Students explore career opportunities and requirements of a professional aviation mechanic. Students study aircraft fuel, electrical, position, warning, ice and rain control, fire-protection, FAA Airframe licensing requirements, employability skills, and entrepreneurship.

**CTE Standards and Benchmarks**

27.0	Inspect and repair aircraft fuel systems--The student will be able to:
28.0	Inspect and repair aircraft electrical systems--The student will be able to:
29.0	Inspect and repair position and warning systems--The student will be able to:
30.0	Maintain ice and rain control systems--The student will be able to:
31.0	Inspect and repair aircraft fire-protection systems--The student will be able to:
32.0	Demonstrate knowledge of Federal Aviation Administration Airframe licensing requirements--The student will be able to:
33.0	Demonstrate employability skills for an Aviation Maintenance Airframe Technician (AMT) with an FAA Airframe rating --The student will be able to:
34.0	Demonstrate an understanding of entrepreneurship related opportunities in Aviation Airframe Maintenance occupations--The student will be able to: