



Aviation Maintenance Curriculum

Ground Operations and Servicing Syllabus

Summary:

This course will help you learn the important safety policies and procedures for ground operations of and servicing of aircraft. You will learn safety procedures in the areas of the shop, flight line, and fire protection. You will also learn proper tiedown procedures for multiple types of aircraft. Ground movement of aircraft, such as engine starting and towing/taxiing, is also reviewed. Finally, you will learn about servicing the various systems in an aircraft such as air, oil, fluids, and fuel.

It is noted that information in this course is a general guide for safety, ground operations, and servicing. All manuals for specific aircraft, equipment, and machine tools should be reviewed and understood prior to any operations.

Course Number:

FAA-ACS-AM-IF-GOS

ACS Reference:

Ground Operations and Servicing (AM.I.F)

Topics Covered:

1. Shop and Flight Line Safety and Fire Protection
2. Tie Down Procedures and Ground Movement of Aircraft
3. Servicing and Fuel Servicing of Aircraft

Activities:

- A. Aircraft tiedown
- B. Aircraft towing
- C. Aircraft startup
- D. Aircraft shutdown

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Ground Operations and Servicing Outline

Module 1: Shop and Flight Line Safety and Fire Protection

- Lesson 1.1 – Shop Safety
- Lesson 1.2 – Fire Protection
- Lesson 1.3 – Select Aircraft Operations

Module 2: Tiedown Procedures and Ground Operations

- Lesson 2.1 – Tiedown Procedures
- Lesson 2.2 – Ground Movement of Aircraft

Module 3: Servicing and Fuel Servicing of Aircraft

- Lesson 3.1 – Servicing Aircraft
- Lesson 3.2 – Fuel Servicing of Aircraft

Each lesson contains the following:

- Video lecture
- Multiple readings with interactive animations
- Assigned readings in the applicable FAA 8083 Chapter
- Activities
- Summary Points and Key Terms

Each Module contains the following:

- Summary Points and Key Terms
- Module quiz
- Module Critical Thinking Activity

Educate Workforce Simulations included in this course include:

- Aircraft tiedown procedures
- Aircraft towing
- Aircraft startup
- Aircraft shutdown

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