



Aviation Maintenance Curriculum

Hand Tools and Measuring Devices Course Syllabus

Summary:	Upon completion of this course, students will understand the various tools and measuring devices used daily by aviation technicians during routine and special maintenance tasks. Students will learn about the tool and its care and maintenance, how it should be used, and the situation or task best suited for each tool. Students will gain a basic understanding of the different measurement and marking tools for performing fabrication, maintenance, and installation accurately and without causing collateral damage.
Course Number:	FAA-ACS-AM-IK-HTM
ACS Reference:	TBA
Topics Covered:	<ol style="list-style-type: none">1. General purpose hand tools2. Metal cutting tools3. Layout and measuring tools
Activities:	TBA

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Hand Tools and Measuring Devices Course Outline

Overview

- Course Introduction

Module 1: General Purpose Hand Tools

- Lesson 1.1 – Hammers and Screwdrivers
- Lesson 1.2 – Pliers, Punches, and Wrenches

Module 2: Metal Cutting Tools

- Lesson 2.1 – Metal Cutting Hand Tools
- Lesson 2.2 – Metal Shaping Tools
- Lesson 2.3 – Drills
- Lesson 2.4 – Hole and Bolt Preparation Tools

Module 3: Layout and Measuring Tools

- Lesson 3.1 – Measuring and Marking Tools

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

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