

Course Objectives/Course Outline
Spokane Community College

Course Title: Machine Tools

Prefix and Course Number: MACH 143

Course Learning Outcomes:

By the end of this course, a student should be able to:

- Identify correct application of hand tools
- Identify correct application of measuring tools
- Identify types of machine tools
- Identify specific processes used in this trade

Course Outline:

- I. Identify and use hand tools for measurement
 - a. Micrometers
 - b. Calipers
 - c. Rules
- II. Identify machines used in industry
 - a. Lathes
 - b. Mills
 - c. Grinders
 - d. Drill presses
 - e. Saws
- III. Identify hand tools used in industry
 - a. Vises
 - b. Clamps
 - c. Pliers
 - d. Hammers
 - e. Wrenches
 - f. Screwdrivers
 - g. Chisels and Punches
 - h. Hacksaws
 - i. Files
 - j. Hand Reamers