

# MANUFACTURING FOUNDATION (CERTIFICATE E0421)

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## Technology and Health Division

### Certificate E0421

This certificate provides a foundation of basic skills for employment in a variety of entry-level manufacturing positions.

### Required Courses

Course Prefix	Course Name	Units
MFG 140	Print Reading and Shop Practice	3
MFG 150	Manual Machining I	3
MFG 155	Manual Machining II	2
MFG 160	Introduction to Mechanical Principles	3
Total Units		11

### Program Learning Outcomes

*Upon successful completion of this program, a student will:*

- Be technically competent
- Be employed or seeking employment in the field or a related field
- Demonstrate ability perform basic mill and lathe setup and operation and machine a simple industry representative component from a 2D print

Review Student Learning Outcomes (SLOs) (<http://www.mtsac.edu/instruction/outcomes/sloinfo.html>) for this program.