

MACHINING BASICS AND METROLOGY CERTIFICATE

Designed for students to gain the basic skills necessary to start in an entry-level position in the machine tool trades.

Program Learning Outcomes

- 1. Develop the skills and craftsmanship necessary to machine parts that meet industry standards.
- 2. Read and interpret blueprints to produce machined parts using a variety of machine tools.
- 3. Utilize measuring tools to ensure machined parts are made to precise specifications.

Requirements

Code	Title	Credits
Required Coursework		13.00
MACH-105	MACHINING FUNDAMENTALS	
MACH-115	PRECISION MEASUREMENT/BLEUPRINT READING	
MACH-135	LATHE TURNING	
MACH-145	VERTICAL/HORIZONTAL MILLING	
MACH-150	SURFACE GRINDING	
Total Credits		13.00

Tuition is calculated by contact hours per semester.
Current/Updated: 06/12/2025