

MACHINIST STANDARD CERTIFICATE OF ACHIEVEMENT

The Machinist Standard certificate is designed to prepare students for entry-level employment in manufacturing using advanced setup techniques on machine tools such as lathes, mills, and grinders to produce close tolerance precision parts.

Code	Title	Units
Required Courses:		
MACH 021	Machine Shop	3
MACH 022	Machine Shop II	4
MACH 123	Machine Shop III	4
MACH 124	Machine Shop IV	4
MACH 120	Machine Shop Theory	2
MACH 090	Mechanical Print Reading	3
MACH 091	Geometric Dimensioning & Tolerancing	2
MACH 129	Manufacturing Processes	2
Total Units		24

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

- Identify numerous hand tools.
- Identify the different classifications and properties of ferrous and non-ferrous materials.
- Demonstrate the process of machine head to the table with an accuracy of .0005".
- Identify features in orthographic views.