

# MACHINE TOOL TECHNOLOGY-ONE YEAR: CERTIFICATE OF ACHIEVEMENT

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The One-Year Certificate in Machine Tool Technology provides foundational hands-on training in machining practices, safety protocols, and precision measurement techniques. Students gain practical experience operating manual machine tools such as lathes and milling machines. This certificate prepares students for entry-level positions in machine shops and manufacturing environments.

## Career Opportunities

Graduates of the Machine Tool Technology Certificate of Achievement are prepared for a range of entry-level to intermediate positions in the advanced manufacturing and machining sectors. Career opportunities include:

- Machinist
- CNC Machine Operator
- CNC Setup Technician
- Tool and Die Apprentice
- Lathe or Mill Operator
- Manufacturing Technician

## Program Learning Outcomes

1. Apply safe work practices while operating hand tools and machine tools in a manufacturing environment.
2. Perform intermediate machining operations, including unified, metric, acme, and modified square threading, as well as internal threads and tapers, on conventional machine tools.

## Certificate Requirements

Code	Title	Units
<b>Required Courses (14 units)</b>		
MACH-110	Machine Technology 1	7
MACH-111	Machine Technology 2	7
<b>Total Units</b>		<b>14</b>