

# MACHINING & MANUFACTURING TECHNOLOGY - CERT C

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The Machining & Manufacturing Technology - Cert C (previously known as Machine Tool Technology) program prepares individuals to apply technical knowledge and skills to plan, manufacture, assemble, test, and repair parts, mechanisms, and machines. Instruction includes technical information in blueprint reading, sketching, angles, tapers, gearing, and precision measuring; it also includes training in the operation of machine tools: engine lathes, milling machines, surface grinders, drill presses, computerized numerical control milling machines, and computerized numerical control lathes. This program will offer students preparation to test for the industry-recognized credentials listed below.

## Program Information

- Program Start (semesters): August
- Financial Aid available (for post-secondary students only): Yes
- Veteran Benefits Eligible (for post-secondary students only): Yes
- Industry-recognized credentials: OSHA; NC3 Precision Measurements

## Certificate Requirements

Code	Title	Hours
MTT 106	Safety (OSHA 10)	1
MTT 112	Print Reading	3
MTT 114	Machining I	3
MTT 116	Machine Tool Processes	1
MTT 118	Lathe/Mill/Grind I	4
MTT 123	Machining II	3
MTT 131	Quality Control & Inspection	1
MTT 151	Workplace Ethics	2
MTT 218	Metallurgy	1
MTT 221	Bench Work	1
MTT 241	CNC Operations	3
MTT 251 or MTT 252	CNC Lathe Lathe/Mill/Grind II	3
MTT 255	CAD/CAM I	3
MTT 256	CNC Milling I	3
MTT 261	Machining III	3
MTT 263	Machining IV	3
MTT 267 or MTT 270	Machine Tool Special Projects Machine Tool Internship	3
MTT 266	Print Reading II	3
MAT 101	Technical Math I	3
<b>Total Hours</b>		<b>47</b>