

# Precision Machining - Basic Precision Machining Short-Term Certificate

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The courses in this program of study may not be offered every semester. It is important to consult with your advisor to determine course schedules to stay on track to graduate.

NOTICE(s): For the short-term certificate in Precision Machining, the student must complete a minimum of 28 credit hours from the courses listed above. All courses must be approved by the advisor. Admission Requirement: High school diploma or GED. The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

**Program:** Precision Machining

**Type:** Short-Term Certificate

# Required Courses

The following courses are required:

- MTT 121
- MTT 147
- MTT 148
- ORI 101

Students must choose their remaining 18 credits from the rest of the list.

Item #	Title	hours
	MTT 107 or EET 100	3
MTT 121	Basic Print Reading for Machinists	3
MTT 123	Engine Lathe Lab I	3
MTT 127	Metrology	3
MTT 128	Geometric Dimensioning and Tolerancing I	3
MTT 134	Lathe Operations I	3
MTT 137	Milling I	3
MTT 138	Milling I Lab	3
MTT 139	Basic Computer Numerical Control	3
MTT 140	Basic Computer Numerical Control Turning Programming I	3
MTT 141	Basic Computer Numeric Control Milling Programming I	3
MTT 147	Introduction to Machine Shop I	3
MTT 148	Introduction to Machine Shop I Lab	3
MTT 154	Metallurgy	3
MTT 162	Precision Grinding	3
MTT 181	Special Topics in Machine Tool Technology	3
MTT 221	Advanced Blueprint Reading for Machinists	3
MTT 270	Machining Skills Application	3
ORI 101	Orientation to College	1
	Sub-Total Credits	55
	<b>Total credits:</b>	<b>28</b>