

Precision Machining - Basic Precision Machining Short-Term Certificate

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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: 28 credits

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	Credits
	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
	Total credits:	28