

# Precision Machining and Manufacturing MTT2

## Type

Diploma

The Precision Machining and Manufacturing Diploma program is a sequence of courses that prepares students for careers in the machine tool technology field. Learning opportunities develop academic, technical, and professional knowledge and skills required for job acquisition, retention, and advancement. The program emphasizes a combination of machine tool theory and practical application necessary for successful employment. Program graduates receive a Precision Machining and Manufacturing Degree/Diploma and have the qualification of a machine tool technician.

## General Education Courses

Item #	Title	Credits
MATH 1012	Foundations of Mathematics	3
EMPL 1000	Interpersonal Relations & Professional Development	2
ENGL 1010	Fundamentals of English I	3

## Occupational Courses

Item #	Title	Credits
MCHT 1011	Introduction to Machine Tool	4
MCHT 1012	Blueprint for Machine Tool	3
MCHT 1020	Heat Treatment & Surface Grinding	4
MCHT 1119	Lathe Operations I	4
MCHT 1120	Mill Operations I	4
MCHT 1219	Lathe Operations II	4
MCHT 1220	Mill Operations II	4
AMCA 2110	CNC Fundamentals	4
	Occupational Guided Electives (6 hrs)	6

## Math Option

\* Choose one of the following options:

Item #	Title	Credits
MCHT 1013	Machine Tool Math	3
	MATH 1013 and MATH 1015 Cluster	6
	Minimum Credit Hours for Graduation	45