

# MCH - MTT2: Machine Tool Technology Diploma (replaces MT02: Machine Tool Technology in the Quarter System)

The Machine Tool Technology 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.

### **Career Opportunities**

Graduates may find employment as machine tool technicians or in a related field.

### **Credit Required for Graduation: Minimum of 48 credit hours**

#### **Curriculum**

	<b>Program Course</b>	<b>Credits</b>
	<i>Basic Skills Courses</i>	
_____	EMPL 1000 Interpersonal Relations and Professional Development	2
_____	ENGL 1010 Fundamentals of English I	3
_____	MATH 1012 Foundations of Mathematics	3
	<i>Occupational Courses</i>	
_____	AMCA 2110 CNC Fundamentals	3
_____	COMP 1000 Introduction to Computers	3
_____	MCHT 1011 Introduction to Machine Tool	4
_____	MCHT 1012 Blueprint for Machine Tool	3
_____	MCHT 1013 Machine Tool Math	3
_____	MCHT 1015 Surface Grinder Operations	2
_____	MCHT 1017 Characteristics of Metals/Heat Treatment I	3
_____	MCHT 1119 Lathe Operations I	4
_____	MCHT 1120 Mill Operations I	4
_____	MCHT 1219 Lathe Operations II	4
_____	MCHT 1220 Mill Operations II	4
	<i>Occupational Electives (3 credits from the list below)</i>	
_____	AMCA 2170 CNC Practical Applications	3
_____	DFTG 1101 CAD Fundamentals	4
_____	MCHT 1030 Applied Measurement	3
_____	WELD 1000 Introduction to Welding Technology	3