

MCH - CT12: CNC Technology Diploma (replaces CNC2: CNC Technology in the Quarter System)

The CNC Technology diploma program is a sequence of courses that prepares students for careers in the CNC technology field. Learning opportunities develop academic, technical, and professional knowledge and skills for job acquisition, retention, and advancement. The program emphasizes a combination of CNC theory and practical application necessary for successful employment.

Career Opportunities

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

Credit Required for Graduation: Minimum of 54 credit hours

Curriculum

	Program Course	Credits
	<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
_____	AMCA 2130 CNC Mill Manual Programming	5
_____	AMCA 2150 CNC Lathe Manual Programming	5
_____	AMCA 2190 CAD/CAM Programming	4
_____	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
	<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