

School of Trade and Technology

CNC Technology Diploma CT12—54 Credit Hours

Program Chair: tim.white @westgatech.edu

Courses may rotate among the following locations: Carroll

<input type="checkbox"/>	<p>**Learning Support Courses (refer to Admissions evaluation). Examples include: ENGL 0998 and MATH 0091/1012 Not available online; courses must be completed on campus if student is provisional and not regular status.</p> <p><i>These courses are not calculated into students' institutional GPA. Learning support courses are individually assigned based on admissions testing results and program requirements. 0096 courses must be completed with the Adult Education department before starting college program—contact Admissions for questions regarding evaluations.</i></p>			
Semester 1	General Education Course Number (credits)	Course Name	Pre-requisite	Notes
<input type="checkbox"/>	MCHT 1011 (4)	Introduction to Machine Tool	None	
<input type="checkbox"/>	MCHT 1012 (3)	Print Reading for Machine Tool	None	
<input type="checkbox"/>	Occupational Elective (3)	See Below		MCHT 1030 recommended by Faculty Advisor
<input type="checkbox"/>	MATH 1012 (3)	Foundations of Mathematics	Diploma program admission level math competency	
Semester 2	Occupational Course Number (credits)	Course Name	Pre-requisite	Notes
<input type="checkbox"/>	MCHT 1013 (3) -OR- MATH 1013 _OR- MATH 1015	Machine Tool Math Algebraic Concepts Geometry and Trigonometry	Diploma program admission level algebra competency	
<input type="checkbox"/>	MCHT 1020 (4)	Heat Treatment and Surface Grinding	None	
<input type="checkbox"/>	MCHT 1120 (4)	Mill Operations I	None	
<input type="checkbox"/>	MCHT 1119 (4)	Lathe Operations I	None	

****First term suggestion:** All assigned learning support and/or MCHT 1011, MCHT 1012, MCHT 1030 and MATH 1012

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Semester 3	Occupational Course Number (credits)	Course Name	Pre-requisite	Notes
<input type="checkbox"/>	ENGL 1010 (3)	Fundamentals of English I	Diploma program admission level writing and reading competency	
<input type="checkbox"/>	EMPL 1000 (2)	Interpersonal Relations and Professional Development	None	
<input type="checkbox"/>	MCHT 1020 (4)	Heat Treatment and Surface Grinding	None	
<input type="checkbox"/>	AMCA 2110 (4)	CNC Fundamentals	MCHT 1011 and MCHT 1012	
Semester 4	Occupational Course Number (credits)	Course Name	Pre-requisite	Notes
<input type="checkbox"/>	AMCA 2130 (5)	CNC Mill Manual Programming	None	
<input type="checkbox"/>	AMCA 2150 (5)	CNC Lathe Manual Programming	None	
<input type="checkbox"/>	AMCA 2190 (4)	CAD/CAM Programming	None	

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Complete	Occupational Electives (3)	Course Name	Pre-requisite	Notes
<input type="checkbox"/>	Choose One Occupational Elective from the list below:			
	AMCA 2170 (4)	CNC Practical Applications	AMCA 2110 and AMCA 2130 and AMCA 2150	
	MCHT 1030 (3)	Applied Measurement	None	
	IDSY 1260 (4)	Machine Tool for Industrial Repairs	None	
	WELD 1000 (4)	Introduction to Welding Technology	None	

This program is eligible for State Aid only. Contact the Financial Aid office for eligibility requirements and application materials.

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