

DURHAM TECHNICAL COMMUNITY COLLEGE PLAN OF STUDY

Revised Fall 2021

**COMPUTER-INTEGRATED MACHINING**

Catalog/Academic Year 2023-2024

Day Program

**Diploma (D50210)**

3 Semesters

**Key to symbols after some courses:**

\* Developmental courses (ENG 002 and/or MAT 003) may be required based on college placement and course requisites.

\*\* Permission of Program Director and prior approval by Work Based Learning Coordinator required.

<sup>GE</sup> Fulfills the general education requirements for this diploma.

**FALL SEMESTER 2023**

Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks	Notes
DFT 119 Basic CAD	1	2	0	2		
ENG 111 Writing and Inquiry* <sup>GE</sup>	3	0	0	3		
MAC 121 Introduction to CNC	2	0	0	2		
MAC 131 Blueprint Reading Machinist I	1	2	0	2		
MAC 141 Machining Applications I	2	6	0	4		
MAT 110 Math Measurement & Literacy* <sup>GE</sup>	2	2	0	3		

**SPRING SEMESTER 2024**

Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks	Notes
ISC 112 Industrial Safety	2	0	0	2	Online	
MAC 122 CNC Turning	1	3	0	2		
MAC 124 CNC Milling	1	3	0	2		
MAC 132 Blueprint Reading Machinist II	1	2	0	2		
MAC 142 Machining Applications II	2	6	0	4	Hybrid	
MAC 151 Machining Calculations	1	2	0	2		

**SUMMER TERM 2024**

Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks	Notes
CIS 110 Introduction to Computers	2	2	0	3		
MAC 222 Advanced CNC Turning	1	3	0	2		
MAC 224 Advanced CNC Milling	1	3	0	2		
WBL 110 World of Work**	1	0	0	1	Online	
WBL 111 Work-Based Learning I**	0	0	10	1		

**MINIMUM SEMESTER HOURS REQUIRED FOR DIPLOMA**

**39**

*For additional information about requirements and graduation, please refer to the [Curriculum Program Completion and Graduation](#) policy. Program-specific criteria may be found on the respective [Programs](#) page. For questions about this program, consult the Program Director or an advisor for assistance.*