MANUFACTURING ENGINEERING TECHNOLOGY - COMPUTER AIDED MACHINING/ MANUFACTURING PROCESSES, SHORT-TERM TECHNICAL CERTIFICATE

Curriculum Code #6012

Effective May 2023

Division of Engineering, Business and Information Technologies (http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/)

Computer aided machining/manufacturing processes (CAM) short-term technical certificate is designed to provide the student with the knowledge and practical skills necessary for entry-level employment in the manufacturing processes/computer numerical control field. Lorain County Community College has articulation agreements with colleges and universities including programs offered by Lorain County Community College's University Partnership.

Preferred Sequence

Fall Semester		**Hours**
CAMM 111	INTRODUCTION TO COMPUTER NUMERICAL CONTROL [1]	2
SDEV 101	INTRODUCTION TO THE LCCC COMMUNITY [2]	1
TECN 111	TECHNICAL PROBLEM SOLVING	3
TECN 115	INDUSTRIAL BLUEPRINT READING	2
TECN 131	MANUFACTURING PROCESSES I [3]	3
	Hours	**11**
Spring Semester		
CADD 111	INTRODUCTION TO COMPUTER AIDED DRAFTING [1]	2
CAMM 215 or CAMM 225	ADVANCED CNC MILLING MACHINES [1] or ADVANCED CNC LATHES	3
TECN 132	MANUFACTURING PROCESSES II [1]	3
	Hours	**8**
	Total Hours	**19**

1

Indicates that this course requires a prerequisite.

2

A student must register for the orientation course when enrolling for more than six credit hours per semester or any course that would result in an accumulation of 13 or more credit hours.

3

Indicates that course requires a prerequisite or may be taken concurrently.

Program Contact(s):

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For information about admissions, enrollment, transfer, graduation and other general questions, please contact your advising team (https://www.lorainccc.edu/admissions-and-enrollment/advising-and-counseling/).

More program information can be found on our website. (https://www.lorainccc.edu/engineering/manufacturing-engineering/computer-aided-machiningmanufacturing-process-short-term-certificate/)

Program Learning Outcomes

1. Recognize the importance of CNC programming for ET/mechanical design applications.
2. Demonstrate the ability to perform and review industry related applications and make recommendations for improvement through written technical reports.