

MANUFACTURING ENGINEERING TECHNOLOGY - COMPUTER AIDED DESIGN, SHORT-TERM TECHNICAL CERTIFICATE

Curriculum Code #6002

Effective May 2026

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

The computer aided design (CAD) short-term technical certificate recognizes the student who has completed a core group of CAD and CAD-related courses. This collection of courses will provide the student with specialized knowledge and skills to be prepared for entry-level employment in a variety of industries that utilize CAD. 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
CADD 111	INTRODUCTION TO COMPUTER AIDED DRAFTING ¹	2
MTHM 155	TECHNICAL MATHEMATICS I	4
SDEV 101	INTRODUCTION TO THE LCCC COMMUNITY ³	1
TECN 111	TECHNICAL PROBLEM SOLVING	3
TECN 115	INDUSTRIAL BLUEPRINT READING	2
Hours		12
Spring Semester		
Select one of the following:		3
CADD 212	INTRODUCTION TO CREO PARAMETRIC (PRO/ENGINEER) ²	
CADD 213	INTRODUCTION TO SOLIDWORKS ²	
CADD 214	INTRODUCTION TO INVENTOR ²	
TECN 131	MANUFACTURING PROCESSES I ¹	3
Hours		6
Total Hours		18

¹ Indicates that this course requires a prerequisite or may be taken concurrently.

² Indicates that this course requires a prerequisite.

³ 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 12 or more credit hours.

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-design-short-term-certificate/>)

Credit for Prior Learning (PLA) options may be available for your program. For more information, please visit our website: www.lorainccc.edu/PLA (<http://www.lorainccc.edu/PLA>)

Program Learning Outcomes

1. Use appropriate engineering technology and mechanical design applications.
2. Perform and review industry-related applications and make recommendations for improvement through written technical reports.