

# MANUFACTURING ENGINEERING TECHNOLOGY - QUALITY TECHNICIAN, ONE-YEAR TECHNICAL CERTIFICATE

Curriculum Code #6007

Effective May 2023

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

The quality technician one-year technical certificate is designed to provide students with the knowledge and cognitive skills required to work as quality control technicians or improvement personnel in business and industry. They may assist quality engineers and managers in basic metrology and statistical process control charting. Lorain County Community College has articulation agreements with colleges and universities including programs offered by LCCC's University Partnership.

## Preferred Sequence

Fall Semester		Hours
MTHM 155 or MTHM 168	TECHNICAL MATHEMATICS I or STATISTICS	3-4
QLTY 111	QUALITY MEASUREMENTS - METROLOGY	3
QLTY 122	BASIC QUALITY TOOLS AND APPLICATIONS <sup>1,2</sup>	3
SDEV 101	INTRODUCTION TO THE LCCC COMMUNITY <sup>3</sup>	1
TECN 111	TECHNICAL PROBLEM SOLVING	3
TECN 115	INDUSTRIAL BLUEPRINT READING	2
<b>Hours</b>		<b>15-16</b>

Spring Semester		Hours
ENGL 161	COLLEGE COMPOSITION I	3
QLTY 221	QUALITY MANAGEMENT PRINCIPLES AND PRACTICES <sup>4</sup>	3
QLTY 234	LEAN SIX SIGMA FOR PROCESS IMPROVEMENT <sup>4</sup>	4
TECN 245	GEOMETRIC DIMENSIONING AND TOLERANCING <sup>4</sup>	2
Select one of the following:		3
PSYH 151	INTRODUCTION TO PSYCHOLOGY	
SOCY 151G	INTRODUCTION TO SOCIOLOGY	
Arts and Humanities Elective <sup>5</sup>		
<b>Hours</b>		<b>15</b>
<b>Total Hours</b>		<b>30-31</b>

2

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

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 13 or more credit hours.

4

Indicates that this course has a prerequisite.

5

Select any Arts and Humanities Ohio Transfer 36 (<http://catalog.lorainccc.edu/academic-information/transfer-module-requirements/>) course.

Program Contact(s):

**Laura Cosgriff**

440-366-7022

[lcogriff@lorainccc.edu](mailto:lcogriff@lorainccc.edu)

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/>).

1

This course offers an opportunity for experiential learning.