

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

Curriculum Code #6007

Effective May 2017

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.

Course	Title	Hours
<b>Fall Semester</b>		
MTHM 121 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	COLLEGE 101 <sup>3</sup>	1
TECN 111	TECHNICAL PROBLEM SOLVING	3
TECN 115	INDUSTRIAL BLUEPRINT READING	2
Hours		15-16
<b>Spring Semester</b>		
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
Arts and Humanities Elective		
Social Science Elective		
Hours		15
Total Hours		30-31

<sup>1</sup> This course offers an opportunity for experiential learning.

<sup>2</sup> Indicates that this course has a prerequisite or may be taken concurrently.

<sup>3</sup> 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.

<sup>4</sup> Indicates that this course has a prerequisite.

## Arts and Humanities Electives

ARTS 243G	ART HISTORY I	3
ARTS 244G	ART HISTORY II	3
ARTS 245G	WORLD ART	3
ARTS 246	HISTORY OF PHOTOGRAPHY	3
ARTS 254G	HISTORY OF AMERICAN ARCHITECTURE	3
ENGL 251	AMERICAN LITERATURE I	3
ENGL 252	AMERICAN LITERATURE II	3
ENGL 253G	INTRODUCTION TO WORLD LITERATURE	3
ENGL 254G	INTRODUCTION TO HISPANIC LITERATURE	3
ENGL 255	INTRODUCTION TO FICTION	3
ENGL 257G	INTRODUCTION TO POETRY	3
ENGL 259G	INTRODUCTION TO DRAMA	3
ENGL 261G	MASTERPIECES OF BRITISH LITERATURE I	3
ENGL 262G	MASTERPIECES OF BRITISH LITERATURE II	3
ENGL 269G	INTRODUCTION TO SHAKESPEARE	3
HUMS 151G	INTRODUCTION TO HUMANITIES	3
HUMS 261G	INTRODUCTION TO GREAT BOOKS: ANCIENT WORLD TO THE RENAISSANCE	3
HUMS 262G	INTRODUCTION TO GREAT BOOKS: EARLY MODERN TO THE 20TH CENTURY	3
HUMS 271G	INTRODUCTION TO MYTHOLOGY	3
HUMS 274	FILM APPRECIATION	3
MUSC 262G	MUSIC AS A WORLD PHENOMENON	3
PHLY 165	BIOETHICS	3
PHLY 262G	INTRODUCTION TO EASTERN PHILOSOPHY	3
RELG 261	RELIGION IN AMERICA	3
RELG 181G	INTRODUCTION TO WORLD RELIGIONS	3
RELG 262G	INTRODUCTION TO EASTERN PHILOSOPHY	3
THTR 151G	INTRODUCTION TO THEATER	3

## Social Science Electives

PSYH 151	INTRODUCTION TO PSYCHOLOGY	3
SOCY 151G	INTRODUCTION TO SOCIOLOGY	3

Program Contact(s):

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For information about admissions, enrollment, transfer, graduation and other general questions, please contact your Advising and Counseling Team (<https://www.lorainccc.edu/admissions-and-enrollment/advising-and-counseling>). (<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/quality-control-one-year-certificate>)