

# MANUFACTURING ENGINEERING TECHNOLOGY - QUALITY ASSURANCE MAJOR, ASSOCIATE OF APPLIED SCIENCE

Curriculum Code #6224

(Not offered 2018-2019)

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

The quality assurance program is designed to provide students with the knowledge and cognitive skills necessary for the competent proficiencies as an entry-level quality technician. Employment opportunities exist as a quality technician or inspector, process control specialist, reliability lab technician or analyst, quality auditor, gauge control technician, or quality assurance analyst. Lorain County Community College has articulation agreements with colleges and universities including programs offered by LCCC's University Partnership.

Course	Title	Hours
<b>First Year</b>		
<b>Fall Semester</b>		
CADD 111	INTRODUCTION TO COMPUTER AIDED DRAFTING <sup>1</sup>	2
MTHM 121	TECHNICAL MATHEMATICS I <sup>2</sup>	4
QLTY 111	QUALITY MEASUREMENTS - METROLOGY	3
SDEV 101	COLLEGE 101 <sup>3</sup>	1
TECN 111	TECHNICAL PROBLEM SOLVING	3
TECN 115	INDUSTRIAL BLUEPRINT READING	2
Hours		15
<b>Spring Semester</b>		
CADD 235	DETAILING AND DIMENSIONING <sup>2</sup>	3
ENGL 161	COLLEGE COMPOSITION I	3
MTHM 122 or MTHM 168	TECHNICAL MATHEMATICS II <sup>2</sup> or STATISTICS	3
QLTY 121	QUALITY ASSURANCE TECHNIQUES (SPC)	2
TECN 245	GEOMETRIC DIMENSIONING AND TOLERANCING <sup>2</sup>	2
Arts and Humanities Elective		3
Hours		16
<b>Second Year</b>		
<b>Fall Semester</b>		
ENGL 164	COLLEGE COMPOSITION II WITH TECHNICAL TOPICS <sup>2</sup>	3
ELCT 111	ELECTRICAL CIRCUITS I	3
PHYC 150	GENERAL PHYSICS I <sup>2</sup>	4
TECN 131	MANUFACTURING PROCESSES I <sup>1</sup>	3
Social Science Elective		3
Hours		16

## Spring Semester

CAMM 111 or QLTY 222	INTRO TO COMPUTER NUMERICAL CONTROL <sup>2,4</sup> or INTERNAL PLANT LOGISTICS	2-3
QLTY 221	QUALITY MANAGEMENT PRINCIPLES AND PRACTICES <sup>2</sup>	3
QLTY 232	SAMPLING AND INSPECTION CONTROL <sup>2</sup>	2
QLTY 234	LEAN SIX SIGMA FOR PROCESS IMPROVEMENT <sup>2</sup>	4
QLTY 235	QUALITY AUDIT & CORRECTIVE ACTION <sup>2</sup>	2
Hours		13-14
Total Hours		60-61

<sup>1</sup> Indicates that this course has a prerequisite or may be taken concurrently.

<sup>2</sup> Indicates that this course requires a prerequisite.

<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 a student may substitute work-based learning (QLTY 287 or QLTY 288) for the equivalent number of credit hours for this course.

## Arts and Humanities Electives

Code	Title	Hours
ARTS 243G	ART HISTORY I	3
ARTS 244G	ART HISTORY II	3
ARTS 245G	WORLD ART	3
ARTS 246	HISTORY OF PHOTOGRAPHY	3
ARTS 254	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 255G	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 266G	AFRICAN AMERICAN LITERATURE	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
MUSC 262G	MUSIC AS A WORLD PHENOMENON	3
PHLY 165	BIOETHICS	3
PHLY 262G	INTRODUCTION TO EASTERN PHILOSOPHY	3
RELG 181G	INTRODUCTION TO WORLD RELIGIONS	3
RELG 261	RELIGION IN AMERICA	3

RELG 262G	INTRODUCTION TO EASTERN PHILOSOPHY	3
THTR 151G	INTRODUCTION TO THEATER	3

## Social Science Electives

Code	Title	Hours
HSTR 151G	CIVILIZATION I	3
HSTR 152G	CIVILIZATION II	3
HSTR 161	UNITED STATES I	3
HSTR 162	UNITED STATES II	3
HSTR 171G	THE WORLD SINCE 1900	3
HSTR 252G	WOMEN IN WORLD HISTORY	3
HSTR 267G	AFRICAN AMERICAN HERITAGE	3
PLSC 156	AMERICAN NATIONAL GOVERNMENT	3
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 Team (<https://www.lorainccc.edu/admissions-and-enrollment/advising-and-counseling>). (<https://www.lorainccc.edu/admissions-and-enrollment/advising-and-counseling>)