

MANUFACTURING ENGINEERING TECHNOLOGY - INDUSTRIAL MECHANICAL TECHNICIAN, ASSOCIATE OF APPLIED SCIENCE

Curriculum Code #6216

Effective May 2019

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

The industrial mechanical technician program is designed to provide students with the knowledge and skills necessary for the competent performance as an entry-level mechanical maintenance technician. The graduate will be able to perform journeyman level work in installing, repairing, maintaining, and testing of mechanical systems. Lorain County Community College has articulation agreements with colleges and universities including programs offered by LCCC's University Partnership.

First Year

Fall Semester		Hours
CISS 121	MICROCOMPUTER APPLICATIONS I	3
ELCT 124	INDUSTRIAL ELECTRICITY	3
ENGR 120	INTRODUCTION TO ENGINEERING	1
MTHM 121	TECHNICAL MATHEMATICS I	4
SDEV 101	COLLEGE 101 ¹	1
WTEC 108	OXY-FUEL WELDING AND CUTTING ²	2
WTEC 111	WELDING SPECIFICATIONS/PRINT READING	2
Hours		16

Spring Semester

ENGL 161	COLLEGE COMPOSITION I	3
TECN 115	INDUSTRIAL BLUEPRINT READING	2
TECN 121	FLUID POWER ²	3
TECN 131	MANUFACTURING PROCESSES I ²	3
TECN 133	MECHANICAL SYSTEMS	3
Hours		14

Summer Semester

TECN 287	WORK BASED LEARNING I - TECN ^{3,4}	1
Hours		1

Second Year

Fall Semester		Hours
CMMC 151	ORAL COMMUNICATION	3
QLTY 122	BASIC QUALITY TOOLS AND APPLICATIONS	3
PHYC 150	GENERAL PHYSICS I ³	4
WTEC 116	BASIC SHIELDED METAL ARC WELDING ²	3
Arts and Humanities Elective		3
Hours		16

Spring Semester

EMCH 112	ENGINEERING MATERIALS	3
QLTY 236	RELIABILITY CENTERED MAINTENANCE ²	3
TECN 220	INDUSTRIAL PIPING & TUBING	3
WTEC 216	WIRE FED PROCESSES ³	3
Social Sciences Elective		3
Hours		15
Total Hours		62

¹ 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.

² Indicates that this course has a prerequisite or may be taken concurrently.

³ Indicates that this course requires a prerequisite.

⁴ This course offers an opportunity for experiential learning

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
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 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>).

More program information can be found on our website. (<https://www.lorainccc.edu/engineering/manufacturing-engineering/associate-of-applied-science-in-manufacturing-engineering-technology-industrial-mechanical-technician>)