



Industrial Manufacturing Engineering Technology A.A.S.

Curriculum Code: 0110

Effective: Fall 2019 – Summer 2024

Description

Industrial manufacturing engineering technology is the study of a variety of technologies used in today's industry. Physical and mental skills are required including mechanical skills, problem-solving abilities, and dexterity. Employment opportunities are with industries that have a variety of work processes and/or trades. Not all courses in this program transfer to all colleges. Students planning to transfer should see an academic advisor before enrolling in any course.

Contact Information

Contact the Trades Technology Program, West Campus Building, Room M103, telephone number 517-483-5338 or Student Services West Campus, West Campus Building, Room M106, telephone number 517-267-5452.

General Education Core Courses, Recommended Choices

(For the full list of options, see [General Education Core Courses](#))

- Communication
Program of Study Required Courses will meet this requirement

- Global Perspective and Diversity – *Select one*
GEOG 200, World Regional Geography, 4 credits / 4 billing hours
HUMS 160, Mythology, 4 credits / 4 billing hours
POLS 260, Comparative Political Systems, 3 credits / 3 billing hours

- Math
Program of Study Required Courses will meet this requirement

- Science
Program of Study Required Courses will meet this requirement

- Writing
Program of Study Required Courses will meet this requirement

Program of Study Required Courses

Course Code	Course Title	Credit / Billing Hours
COMM 130	Fund of Public Speaking	3 / 3
COMM 280	Intercultural Communication	3 / 3
ELTE 102	Industrial/Construction Safety	2 / 3
ELTE 108	Practical Electricity I	2 / 3
ENGL 121	Composition I	4 / 4

Course Code	Course Title	Credit / Billing Hours
ENGL 122	Composition II	4 / 4
MATH 121	Precalculus I	4 / 4
MATH 122	Precalculus II	4 / 4
METD 100	Basic Mechanical Drafting	3 / 4
METD 105	PC Applications for Technology	3 / 4
METD 110	Mechanical CAD Drafting I	4 / 6
METD 220	Basic Unigraphics/NX	4 / 6
METM 108	Machine Tool Operations	4 / 6
METM 112	Introduction to CNC Machining	4 / 6
METM 190	Metallurgy and Heat Treatment	4 / 6
METM 220	Basic Mastercam	4 / 6
METS 115	Intro to Mechanical Systems	4 / 6

Total Credit Hours

63-64 credits / 81-82 billing hours

Recommended Course Sequence

Semester I	Semester II
COMM 130 ELTE 102 ELTE 108 (first 8 weeks) ENGL 121 METD 100 METD 105	COMM 280 METD 110 METD 220 METM 108

Semester III	Semester IV
ENGL 122 MATH 121 METM 112 METM 190	Global Perspectives and Diversity Core MATH 122 METM 220 METS 115