Associate of Science
Manufacturing Engineering Technology 2023-24   Major Code IE02
CIP Code: 150613   **Cr Hrs**

General Education CORE 42 Requirements 23*		**17**
Area 1A	Social & Behavioral Sciences	3
Area 1B	Civic Engagement	3
Area 2A	Written Communication	3
Area 2B	Oral Communication	3
Area 3	Natural Science (PHYS 160)	
Area 4	Mathematics (MATH 130)	
Area 5A	Humanities/Fine Arts	3
Area 5D	Health and Wellness	2
UE 100	**University Experience****	**1**
MET Prerequisites		**7**
MATH 130	College Alegbra (or higher level math)	3
PHYS 160	Elementary College Physics w/Lab*	4
MET Requirements		**32**
MET 100	Introduction to Machine Tool Processes	3
IET 110	Engineering Graphics I	3
IET 115	Engineering Graphics II	3
MET 200	Computer Numerical Control.	3
IET 205	Computer Applications & Cost Analysis	3
MET 240	Engineering Materials	3
IET 271	Engineering Technology Seminar I	0
IET 272	Engineering Technology Seminar II	0
IET 300	Engineering Economics	3
IET 301	Project Management Fundamentals & Applications	3
MET 302	CNC Project & Cost Analysis	2
Select one of the following three courses:		3
MET 210	Industrial Robotics (3)	
MET 220	Intro to Programmable Logic Controllers (3)	
MET 245	Manufacturing with Metals (3)	
Manufacturing Technology Electives		3
IET 105**	Essential Professional Skills (3)	
MET 491	Internship in Manufacturing Tech (3)	
MET 498	Advanced Topics in Manufacturing Technology (3)	
MET 499	Independent Study in Manufacturing Technology (3)	
IET 305	Basic Electricity and Electronics (3)	
IET 310	Computer Production/Planning Control (3)	
IET 320	Applied Statistical Quality Control. (3)	
IET 350	Industrial Supervision (3)	
IET 383	Power Generation Inc Power and Hydraulics (3)	
General Electives (as needed to total 60 credit hours)		**3**
Total Hours		**60**

*Gen. Ed. Requirements Area 4 met by MATH 130, Area 3 met by PHYS 160

MATH 130 (or MATH 140) require a grade of 'C' or better

**IET 105 (elective) meets the University Experience requirement