

Bachelor of Science 2024-25 AY
Industrial Engineering Technology
CIP Code: 150612

Major Code IE00
Cr Hrs

General Education CORE 42 Requirements 42*		35
Area 1A	Social & Behavioral Sciences	6
Area 1B	Civic Engagement	3
Area 2A	Written Communication	6
Area 2B	Oral Communication	3
Area 3A	Natural Science Non-Lab	3
Area 3B	Natural science With Lab (PHYS160)	
Area 4	Mathematics (met by MATH 130, 140 or 150)	
Area 5A	Humanities	6
Area 5B	Fine Arts	3
Area 5C	Global Competencies	3
Area 5D	Health and Wellness	2
UE 100	University Experience** (IET 105)	
Industrial Engineering Technology Prerequisites		7-9
MATH 130 (3) or MATH 140 (5) or MATH 150 (5)		3-5
PHYS 160	Elementary College Physics w/Lab*	4
Industrial Engineering Technology Requirements		63
MET 100	Introduction to Machine Tool Processes	3
IET 105	Essential Professional Skills	3
IET 110	Engineering Graphics I	3
IET 115	Engineering Graphics II	3
MET 200	Computer Numerical Control	3
IET 230	Excel/Visio Applications	2
IET 235	Power BI Fundamentals	1
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
IET 305	Basic Electricity & Electronics	3
IET 310	Production Planning and Control	3
IET 320	Applied Statistical Quality Control	3
IET 350	Industrial Supervision	3
IET 355	Work Measurement/Ergonomics	3
IET 380	Principles of Lean	3
IET 383	Power Generation Inc. Hydraulics & Pneumatics	3
IET 425	Design of Experiments	3
IET 450	Facilities Management and Planning	3
IET 470	Six Sigma Methodology	3
IET 471	Senior Design	3
IET 494	Career Success	1
Select one from:		5-8
MATH 150	Calculus with Analytical Geometry I(5)***	
MATH 302	Applied Calculus (3) AND MATH 135 Trigonometry (3)	
MATH 302	Applied Calculus (3) AND MATH 140 Algebra & Trig (5)	
Select one from:		3
IET 315	Probability & Statistics for Engineers	
MATH 310	Elementary Statistics	
GB 321	Business Statistics	
General Electives as needed to total 120 hours		2-7
Total Hours	Must include at 39 upper division (300-400) hrs	120

* Gen. Ed. Core 42 requirements Area 3B met by PHYS 160

MATH 130 or MATH 140 or MATH 150 grade of "C" or better and meets gen ed area 4

** University Experience met by IET 105