

**Bachelor of Science  
Industrial Engineering Technology  
CIP Code: 150612**

**Major Code IE00  
Cr Hrs**

<b>General Education CORE 42 Requirements 42*</b>		<b>38</b>
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 (PHYS1600)	
Area 4	Mathematics (MATH 150 could meet)	3
Area 5A	Humanities	6
Area 5B	Fine Arts	3
Area 5C	Global Competencies	3
Area 5D	Health and Wellness	2
<b>UE 100</b>	<b>First Year Experience**</b>	<b>1</b>
<b>Industrial Engineering Technology Requirements</b>		<b>78-81</b>
PHYS 160	Elementary College Physics w/Lab*	4
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 204	Industrial Statics and Strength of Materials	3
IET 205	Computer Applications & Cost Analysis	3
MET 240	Engineering Materials	3
IET 270	Engineering Technology Seminar (3 semesters)	0
IET 300	Engineering Economics	3
MET 304	CNC Project & Cost Analysis	3
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	1
IET 494	Career Success	1
<b>Select one from:</b>		<b>5-8</b>
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)	
<b>Select one from:</b>		<b>4</b>
PHYS 162	Elementary College Physics II (4) prerequisite of PHYS 160	
CHEM 140	General Chemistry I (3)***	
AND		
CHEM 141	General Chemistry I Lab (1)	
<b>Select one from:</b>		<b>3</b>
IET 315	Probability & Statistics for Engineers	
MATH 310	Elementary Statistics	
GB 321	Business Statistics	
<b>General Elective</b>		<b>0-3</b>
<b>Total Hours</b>	<b>Must include at 39 upper division (300-400) hrs</b>	<b>120</b>

\* 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

CHEM 140 would meet Area 3A and MATH 150 would meet Area 4