

Bachelor of ScienceMajor Code IE00

Industrial Engineering Technology

General Education CORE 42 Requirements 42* 38

UE 100	First Year Experience**	1	
Required Industrial Engineering Technology Curriculum78-81			
PHYS 160	Elementary College Physics w/Lab*	4	was PHYS 151
MET 100	Introduction to Machine Tool Processes	3	
IET 105	Fundamentals of Professional Skills & Practices	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	

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: 4

PHYS 162	Elementary College Physics II (4) prerequisite of PHYS 160	was PHYS 152
CHEM 140	General Chemistry I (3)**	was CHEM 151
AND		
CHEM 141	General Chemistry I Lab (1)	

Select one from: 3

IET 315	Probability & Statistics for Engineers	
MATH 310	Elementary Statistics	
GB 321	Business Statistics	

General Elective 0-3

Total 120

*PHYS 160 satisfies 4 hours of CORE 42 area 3B.

**Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

***CHEM 140 would satisfy 3 hours of CORE 42 area 3A, MATH 150 would satisfy 3 hours of CORE 42 area 4.

Updated 4/3/18 to reflect CORE 42