

Major Map

BULLETIN YEAR: 2021-2022 **Degree:** BSET

MAJOR: Industrial Engineering Technology

The major map illustrates one path to completing your major, based on faculty members' advice on course sequence and a department's tentative plans for scheduling courses. This document provides general direction. For more specific advice and up to date schedules, it is expected that students will regularly discuss their plans of study with academic advisors and monitor the current class schedules as students are responsible for ensuring that all requirements for graduation have been met.

Course	Cr. Hrs.	Course	Cr. Hrs.
FIRST YEAR			
Semester: Fall Total Credit Hours: 16		Semester: Spring Total Credit Hours: 16	
MTH 130 Pre-Calculus	4	⁴ IET 130 Industrial Materials & Testing	3
ENG 101 Freshman Composition	3	³ MTH 132 Calculus I	4
⁴ IET 154 Engineering Design Graphics	3	PHY 130 College Physics I	4
⁴ IET 170 Manufacturing Processes I	3	PHY 170 College Physics I Lab	1
² U.P. Group I-B	3	CHM 131 Intro to Chemistry	4
	Cr. Hrs.		Cr. Hrs.
SOPHOMORE YEAR			
Semester: Fall Total Credit Hours: 14		Semester: Spring Total Credit Hours: 15	
EGR 200 Comp Aided Problem Solving	3	⁴ IET 181QR Alternative Energy Analysis	3
IET 279 Applied Statics	3	IET 291 Applied Circuits	3
PHY 131 College Physics II	4	ENG 201 Intermediate Composition	3
PHY 171 College Physics II Lab	1	STA 282QR Introduction to Statistics	3
U.P. Group II-A	3	U.P. Group I-A	3
	Cr. Hrs.		Cr. Hrs.
JUNIOR YEAR			
Semester: Fall Total Credit Hours: 15		Semester: Spring Total Credit Hours: 15	
IET 226 Parametric Design and Modeling	3	IET 375 Robotics	3
IET 326 Manufacturing Meth Analysis	3	IET 426 Plant Lay-out and Mat Handling	3
IET 327 Industrial Safety	3	IET 500 Productive Concepts	3
IET 365 Manufacturing Processes II	3	EGR 300 Engineering Economic Analysis	3
IET 377 Comp Numerical Control Prog	3	U.P. Group III-B	3
	Cr. Hrs.		Cr. Hrs.
SENIOR YEAR			
Semester: Fall Total Credit Hours: 15		Semester: Spring Total Credit Hours: 15	
IET 501 Appl of Industrial Mgt Principles	3	IET 428 Manufacturing Quality	3
EGR 489wi Senior Design I	3	EGR 499wi Senior Design II	3
¹ IET Technical Elective (from list)	3	¹ IET Technical Elective (from list)	3
U.P. Group III-A	3	U.P. Group IV-A	3
U.P. Group IV-B	3	U.P. Group IV-C	3
	Cr. Hrs.		Cr. Hrs.
FIFTH YEAR (IF NEEDED)			
Semester: Total Credit Hours:		Semester: Total Credit Hours:	

121 hours minimum required for graduation

40 hours 300 level or above required

¹ **Electives (6 hours):** Choose from: EGR 120, 190QR, 290, ENG 303WI, IET 223QR, 284, 324WI, 350, 379, 450, 451, MTH 133

² TAI 170 completes the U.P. Group I-B and the Oral English Competency requirement, which must be fulfilled before 56 hours.

³ MTH 130 may be waived upon results of placement exam or permission of Mathematics advisor.

⁴ IET 130, 154, 170, and 181 are offered every semester.

Note: 12 hours of courses approved for Writing Intensive are required (Competency Requirement)