

INDUSTRIAL ENGINEERING CURRICULUM (131 Credits)

FRESHMAN

First Semester	Credits	Second Semester	Credits
E 150 English Composition I (NP)	3	E 151 English Composition II (PR: E150)	3
M 158 Calculus I (NP)	4	M 168 Calculus II (PR: M158)	4
EAET/ET 150 Mechanical Draw. & Basic CAD (NP)	3	C 150 General Chemistry I (NP)	3
EAET/ET 170 Intro. to Engineering (NP).....	3	C 151 General Chemistry I Lab (CR: C150)	1
SOC 250/PSY 250 (NP)	3	H 250 or H 251 History World Civil (NP)	3
UNIV 101 Intro. Univ. Community (NP).....	2	Personal Wellness Cluster (NP)	2
	18		16

SOPHOMORE

First Semester	Credits	Second Semester	Credits
C 152 General Chemistry II (PR: C150)	3	P 255 General Physics II (PR: P254)	3
C 153 General Chemistry II Lab (CR: C152)	1	P 253 General Physics II Lab (CR: P255)	1
P 254 General Physics I (PR: M158).....	3	ENGR 212 Statics (PR: P254)	3
P 251 General Physics I Lab (CR: P254)	1	EAET/ET 255 Engr. Economic Analysis (NP)	3
M 278 Calculus III (PR: M168)	4	IENG 201 System Design (PR: E150 & EAET 170) ..	3
M 208 Introduction to Statistics (NP)	3	IENG 253 Industrial Statistics (PR: M158)	3
E 250 or E 251 World Literature (PR: E151)	3		
	18		16

JUNIOR

First Semester	Credits	Second Semester	Credits
EET 230 Circuit Analysis (PR: M158)	3	IENG 355 Engr. Model. & Simulation (PR:M168) ...	3
IENG 368 Professional Practice in IE (Sophomore) ..	1	IENG 353 Intro. to Mfg. Sys Engr (PR: M158) or	
ENGR 213 Strength of Materials (PR: ENGR212) ...	3	IENG 356 Pl. Layout & Mat. Handl. (PR: IENG253)..	3
EAET/ET 310 Engineering Computing (PR: M168) ..	3	IENG 357 Industrial O.R. I (PR: M278)	3
IENG 354 Motion and Time Study (PR: IENG253) ..	3	MGT 310 Mgmt Information Systems (Junior Status)..	3
M 403 Differential Equations (PR: M278)	3	EET 233 Circuits Laboratory (PR: EET 230/232)	1
	16	ENGR 313 Dynamics (PR: M168 & ENGR212)	3
			16

SENIOR

First Semester	Credits	Second Semester	Credits
IENG 440 Dec. Sup. Sys. in IE (PR: IENG357)	3	IENG 460 Senior Project (PR: IENG 459)	3
IENG 456 Supply Chain Engr. Mgmt(PR: IENG253) ..	3	IENG 452 Quality Improve. Methods (PR:IENG253)..	3
IENG 458 Human Factors Engr. (PR: IENG253)	3	S 250 Public Speaking (NP).....	3
IENG 454 Industrial O.R. II (PR: IENG357)	3	ARTS 250/MU 250/D 254 (NP).....	3
IENG 457 Logistics Network Design (PR: IENG357) ..	3	ETS 250 African Amer. in Tech. & Sc. (NP).....	3
IENG 459 Senior Project Proposal (Senior Status) ...	1		
	16		15

Must pass English Proficiency Exam

Abbreviation: NP- No prerequisite, PR- Prerequisite and CR- Co-Prerequisite **Passing Grade:** C for all IENG, ENGR, EAET, EET, MGT courses, C for E150 and E151, S250, D for all math courses, D for all chemistry and physics courses, and D for E250, E 251, H250, H251, ARTS 259, MU 250, D 254, ETS 25