

# Industrial Engineering Program

YEAR 1		YEAR 2		YEAR 3		YEAR 4	
First Semester	Second Semester	First Semester	Second Semester	First Semester	Second Semester	First Semester	Second Semester
MATH 1850 Calculus I 4 Hours	MATH 1860 Calculus II 4 Hours	MATH 2850 Calculus III 4 Hours	MATH 3860 Differential Equations 3 Hours	MIME 4100 Manufacturing Simulation 3 Hours [MIME 2650] [CR MIME 4010]	EECS 2340 Circuit Analysis for Non-Majors 3 Hours [PHYS 2140]	Technical Elective 3 Hours	MIME 4200 Senior Design Projects 3 Hours [MIME 3710]
ENGL 1110 College Composition 3 Hours	ENGL 1930 Engineering Technical Writing 3 Hours	MIME 2650 Manufacturing Processes 3 Hours [MIME 1650]	MIME 4000 Engineering Statistics I 3 Hours	MIME 4010 Engineering Statistics II 3 Hours	MIME 4060 Manufacturing Engineering 3 Hours [MATH 3860] [MIME 2650]	Technical Elective 3 Hours	MIME 4020 Stat. Quality Control & Management 3 Hours [MIME 4010]
CHEM 1230 College Chemistry 4 Hours	PHYS 2130 Physics I 5 Hours	PHYS 2140 Physics II 5 Hours	MATH 2890 Numerical Methods and Linear Alg 3 Hours [MATH 1860]	MIME 4080 Operations Research I 3 Hours [MATH 3860]	MIME 3710 Work Design and Measurement 3 Hours [CR MIME 4060]	Humanities Elective 3 Hours	MIME 4110 Production Planning & Invent. Cntrl. 3 Hours
MIME 1000 Orientation to ME & IE 3 Hours	MIME 1010 Professional Development 1 Hour	CIVE 1150 Engineering Statics 3 Hours	MIME 2300 Engineering Dynamics 3 Hours	MIME 4050 Human Factors Engineering 3 Hours [MIME 4000]	MIME 4090 Operations Research II 3 Hours	Multi-Cultural Double-Dip Elective 3 Hours	MIME 4160 Facilities Planning 3 Hours
MIME 1100 Intro to CAD 2 Hours	MIME 1650 Materials Science & Engineering 3 Hours [CR CHEM 1230]		PSY 1010 Principles of Psychology 3 Hours	MIME 2600 Engineering Economics 3 Hours [Soph. Standing]	MIME 4070 Computer Aided Manufacturing 3 Hours [MIME 2650]	Multi-Cultural Elective 3 Hours	MIME 3780 Engineering Management 3 Hours [Jr. Standing]
<b>PRE-REQUISITES:</b> Course Pre-Requisites are indicated with arrows and/or [brackets] below boxes. [CR means Co-Requisite]		<b>Total hours: 128 Required</b>			Humanities Elective 3 Hours		Technical Elective 3 Hours
16 Hours	16 Hours	15 Hours	15 Hours	15 Hours	18 Hours	15 Hours	18 Hours