

YEAR TERM		MAJOR					CORE		TOTAL CR.
YEAR 1	FALL	ETCS 105 CAREER DISCOVERY 2		ACCT 101 ACCOUNTING I 3	MATH 135 FUNDAMENTALS OF PRECALCULUS I 4 <small>Pre-Req: Placement Exam or MATH 101</small>		FCWR 101* FOUNDATIONS OF COLLEGE COMPOSITION 3 <small>Pre-Req: Placement Exam</small>	ECON 202 PRINCIPLES OF ECONOMICS I 3	15
	SPRING			MGMT 102 PRINCIPLES OF MANAGEMENT 3	MATH 136 FUNDAMENTALS OF PRECALCULUS II 4 <small>Pre-Req: MATH 135</small>	LIBERAL ARTS ELECTIVE 3	FCWR 151* FOUNDATIONS OF RESEARCH WRITING 3 <small>Pre-Req: FCWR 101</small>	FCSP 105 FOUNDATIONS OF SPEECH COMMUNICATION 3	16
YEAR 2	FALL	IENG 240 ENGINEERING ECONOMICS 3 <small>Pre-Req: MATH 136 or MATH 141 or higher math</small>		MRKT 102 INTRODUCTION TO MARKETING 3	MATH 161 3 BASIC APPLIED CALC. <small>Pre-Req: Placement Exam or MATH 136 or MATH 141</small>	PHYS 130 INTRO PHYSICS 3 <small>Pre-Req: MATH 135</small>	CHEM 107 ENGINEERING CHEMISTRY I 4 <small>Pre-Req: MATH 135 or MATH 141 or higher</small>		16
	SPRING	IENG 245 STATISTICAL DESIGN I 3 <small>Pre-Req: MATH 161 or MATH 170 or MATH 235</small>	IENG 251 PROJECT ENGINEERING 3 <small>Pre-Req: MATH 161 or MATH 170</small>	MENG 105 ENGINEERING GRAPHICS 1	MENG 201 ENGINEERING PROGRAMMING 3 <small>Pre-Req: MATH 161 or MATH 170</small>	PHYS 150 INTRO PHYSICS II 3 <small>Pre-Req: PHYS 130</small>	ICBS 3XX BEHAVIORAL SCIENCE CHOICE 3 <small>Pre-Req: FCWR 101 & FCWR 151</small>		16
YEAR 3	FALL	IENG 510 ENERGY MANAGEMENT 3	IENG 350 QUALITY CONTROL AND RELIABILITY 3 <small>Pre-Req: MATH 136 or MATH 141 or higher math</small>	FINC 201 CORPORATION FINANCE 3 <small>Pre-Req: ACCT 101, ECON 202, and MATH 136 or MATH 141 or higher math</small>		STEM ELECTIVE 3 Select from any PHYS, MATH or courses offered by CoECS.	FCWR 304 COMMUNICATION FOR TECHNICAL PROFESSIONS 3 <small>Pre-Req: FCWR 151</small>		15
	SPRING	IENG 345 STATISTICAL DESIGN II 3 <small>Pre-Req: IENG 245</small>	IENG 421 TECHNOLOGY & ENTREPRENEURSHIP 3	MENG 310 INTRODUCTION TO MATERIAL SCIENCE 3 <small>Pre-Req: CHEM 107</small>	TECHNICAL ELECTIVE* 3	STEM ELECTIVE 3 Select from any PHYS, MATH or courses offered by CoECS.			15
YEAR 4	FALL	IENG 450 SYSTEMS ENGINEERING & ANALYSIS 3 <small>Pre-Req: IENG 245 and IENG 251</small>	IENG 380 OPERATIONS RESEARCH I 3 <small>Pre-Req: IENG 345</small>		INDUSTRIAL ENGINEERING ELECTIVE*** 3		ICSS 309/IENG 400** 3 SOCIAL SCIENCE: TECHNOLOGY AND GLOBAL ISSUES	LIBERAL ARTS ELECTIVE 3	15
	SPRING	IENG 475*** INDUSTRIAL ENGINEERING DESIGN I 3	MGMT 370 ORGANIZATIONAL BEHAVIOR 3 <small>Pre-Req: MGMT 102</small>		INDUSTRIAL ENGINEERING ELECTIVE*** 3		ICPH 3XX PHILOSOPHY CHOICE 3 <small>Pre-Req: FCWR 101 & FCWR 151</small>	ICLT 3XX LITERATURE CHOICE 3 <small>Pre-Req: FCWR 101 & FCWR 151</small>	15
CREDITS									123

*Non-native English speakers should take FCWR 111 in lieu of FCWR 101 and FCWR 161 in lieu of FCWR 151.

** Senior status or Chairperson Approval.

***Select from IENG 3XX, IENG 4XX, IENG 5XX, ENGY 6XX, ENGY 711 or others approved by dept. chairperson

*Elective may be advanced level mathematics and engineering courses, such as MENG 211, MENG 321, MATH 180, MATH 260, MATH 310, MATH 320 or other approved by chair.

Co-Op Option: ETCS 300 (Foundations for Success in CoECS Co-Op) and ETCS 301 (CoECS Co-Op)