

YEAR TERM		MAJOR					CORE		TOTAL CR.
YEAR 1	FALL	ETCS 105 CAREER DISCOVERY 2		MENG 201 ENGINEERING PROGRAMMING 3	MATH 170 CALCULUS I 4 <small>Pre-Req: Placement exam, MATH 141, TMAT 155 or MATH 136</small>	PHYS 170 GENERAL PHYSICS I 4 <small>Co-Req: MATH 170</small>	FCWR 101 FOUNDATIONS OF COLLEGE COMPOSITION 3 <small>Pre-Req: Placement exam</small>		16
	SPRING		IENG 245 STATISTICAL DESIGN I 3 <small>Pre-Req: MATH 170 or MATH 235</small>		MATH 180 CALCULUS II 4 <small>Pre-Req: MATH 170</small>	PHYS 180 GENERAL PHYSICS II 4 <small>Co-Req: MATH 180, Pre-Req: PHYS 170</small>	FCWR 151 FOUNDATIONS OF RESEARCH WRITING 3 <small>Pre-Req: FCWR 101</small>	FCIQ 101 FOUNDATIONS OF INQUIRY 3	17
YEAR 2	FALL	IENG 240 ENGINEERING ECONOMICS 3 <small>Pre-Req: TMAT 135, MATH 135 or higher math</small>	IENG 251 PROJECT ENGINEERING 3 <small>Pre-Req: MATH 170 or MATH 161</small>		MATH 310 LINEAR ALGEBRA 3 <small>Pre-Req: MATH 180</small>	CHEM 107 ENGINEERING CHEMISTRY I 4 <small>Pre-Req: TMAT 135, MATH 135 or higher</small>		FCSP 105 FOUNDATIONS OF SPEECH COMMUNICATION 3	16
	SPRING	MENG 105 ENGINEERING GRAPHICS 1	IENG 345 STATISTICAL DESIGN II 3 <small>Pre-Req: IENG 245</small>	ACCT 101 ACCOUNTING I 3	MGMT 102 PRINCIPLES OF MANAGEMENT 3		ICBS 3XX ** BEHAVIORAL SCIENCE CHOICE 3	FCSC 101 FOUNDATIONS OF SCIENTIFIC PROCESS 3	16
YEAR 3	FALL	IENG 380 OPERATIONS RESEARCH I 3 <small>Pre-Req: IENG 345</small>	ECON 202 PRINCIPLES OF ECONOMICS I 3	MRKT 102 INTRODUCTION TO MARKETING 3	FINC 201 CORPORATION FINANCE 3 <small>Pre-Req: ACCT 101, ECON 202, and TMAT 135, MATH 135 or higher math</small>		FCWR 304** COMMUNICATION FOR TECHNICAL PROFESSIONS 3		15
	SPRING	IENG 350 QUALITY CONTROL AND RELIABILITY 3 <small>Pre-Req: TMAT 135, MATH 135 or higher math</small>	IENG 421 Technology & Entrepreneurship 3	MENG 310 INTRODUCTION TO MATERIAL SCIENCE 3 <small>Pre-Req: CHEM 107</small>	TECHNICAL ELECTIVE 3	LIBERAL ARTS ELECTIVE 3			15
YEAR 4	FALL	IENG 450 SYSTEMS ENGINEERING & ANALYSIS 3 <small>Pre-Req: IENG 251, IENG 345, and IENG 380</small>	IENG 510 ENERGY MANAGEMENT 3		INDUSTRIAL ENGINEERING ELECTIVE 3	LIBERAL ARTS ELECTIVE 3	ICSS 309/IENG 400 3 SOCIAL SCIENCE: TECHNOLOGY AND GLOBAL ISSUES		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	ICLT 3XX** LITERATURE CHOICE 3	15
CREDITS									125

*Senior status or Chairperson Approval.

** Pre – req- FCIQ 101, FCSP 105, FCSC 101, FCWR 151 (Rev 6/19)