

YEAR TERM		MAJOR					CORE		TOTAL CR.
YEAR 1	FALL	ETCS 105 CAREER DISCOVERY 2			MATH 170 CALCULUS I Pre-Req: Placement exam, MATH 141, TMAT 155 or MATH 136 4	PHYS 170 GENERAL PHYSICS I Co-Req: MATH 170 4	FCWR 101 FOUNDATIONS OF COLLEGE COMPOSITION Pre-Req: Placement exam 3	FCIQ 101 FOUNDATIONS OF INQUIRY 3	16
	SPRING			CHEM 107 ENGINEERING CHEMISTRY I Pre-Req: TMAT 135, MATH 135 or higher 4	MATH 180 CALCULUS II Pre-Req: MATH 170 4	PHYS 180 GENERAL PHYSICS II Co-Req: MATH 180, Pre-Req: PHYS 170 4	FCWR 151 FOUNDATIONS OF RESEARCH WRITING Pre-Req: FCWR 101 3		15
YEAR 2	FALL	IENG 240 ENGINEERING ECONOMICS Pre-Req: TMAT 135, MATH 135 or higher math 3	IENG 245 STATISTICAL DESIGN I Pre-Req: MATH 170 or MATH 235 3	IENG 251 PROJECT ENGINEERING Pre-Req: MATH 170 or MATH 161 3	MATH 310 LINEAR ALGEBRA Pre-Req: MATH 180 3			FCSP 105 FOUNDATIONS OF SPEECH COMMUNICATION Pre-Req: FCWR 101 3	15
	SPRING	MENG 105 ENGINEERING GRAPHICS 1	IENG 345 STATISTICAL DESIGN II Pre-Req: IENG 245 3	ACCT 101 ACCOUNTING I 3	MGMT 102 PRINCIPLES OF MANAGEMENT 3	MENG 201 ENGINEERING PROGRAMMING 3	ICBS 3XX ** BEHAVIORAL SCIENCE CHOICE 3		16
YEAR 3	FALL	IENG 380 OPERATIONS RESEARCH I Pre-Req: IENG 345 3	ECON 202 PRINCIPLES OF ECONOMICS I 3	MRKT 102 INTRODUCTION TO MARKETING 3	FINC 201 CORPORATION FINANCE Pre-Req: ACCT 101, ECON 202, and TMAT 135, MATH 135 or higher math 3		FCWR 304** COMMUNICATION FOR TECHNICAL PROFESSIONS 3		15
	SPRING	IENG 350 QUALITY CONTROL AND RELIABILITY Pre-Req: TMAT 135, MATH 135 or higher math 3	IENG 421 Technology & Entrepreneurship Pre-Req: IENG 251 3	MENG 310 INTRODUCTION TO MATERIAL SCIENCE Pre-Req: CHEM 107 3	TECHNICAL ELECTIVE 3	LIBERAL ARTS ELECTIVE 3		FCSC 101 FOUNDATIONS OF SCIENTIFIC PROCESS 3	18
YEAR 4	FALL	IENG 475 INDUSTRIAL ENGINEERING DESIGN I* 3	IENG 510 ENERGY MANAGEMENT 3		INDUSTRIAL ENGINEERING ELECTIVE 3	LIBERAL ARTS ELECTIVE 3	ICSS 309**+ SOCIAL SCIENCE: TECHNOLOGY AND GLOBAL ISSUES 3		15
	SPRING	IENG 450 SYSTEMS ENGINEERING & ANALYSIS Pre-Req: IENG 475 3	MGMT 370 ORGANIZATIONAL BEHAVIOR Pre-Req: MGMT 102 3		INDUSTRIAL ENGINEERING ELECTIVE 3		ICPH 3XX** PHILOSOPHY CHOICE 3	ICLT 3XX** LITERATURE CHOICE 3	15
CREDITS									125

*Senior status or Chairperson Approval.

+ICSS 309 is cross-listed with IENG 400

** Pre – req- FCIQ 101, FCSP 105, FCSC 101, FCWR 151