

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 425 SYSTEM SIMULATION Pre-Req: IENG 345 and IENG 380	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
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 476 INDUSTRIAL ENGINEERING DESIGN II* Pre-Req: IENG 475	3	IENG 590 ENERGY POLICY AND ECONOMICS	3		INDUSTRIAL ENGINEERING ELECTIVE	3			ICPH 3XX** PHILOSOPHY CHOICE	3	ICLT 3XX** LITERATURE CHOICE	3
CREDITS													125	

\*Senior status or Chairperson Approval.

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

+ICSS 309 is cross-listed with IENG 400

(Rev 4/17)

Course names, numbers and/or pre-requisites are subject to change.