

YEAR TERM		MAJOR					CORE			TOTAL CR.
YEAR 1	FALL	ETCS 105 CAREER DISCOVERY 2			MATH 170 CALCULUS I 4 Pre-Req: Placement exam, MATH 141, TMAT 155 or MATH 136	PHYS 170 GENERAL PHYSICS I 4 Co-Req: MATH 170		FCWR 101 FOUNDATIONS OF COLLEGE COMPOSITION 3 Pre-Req: Placement or WRIT 100	FCIQ 101 FOUNDATIONS OF INQUIRY 3	16
	SPRING		MENG 105 ENGINEERING GRAPHICS 1	CHEM 107 ENGINEERING CHEMISTRY I 4 Pre-Req: TMAT 135 or MATH 135	MATH 180 CALCULUS II 4 Pre-Req: MATH 170	PHYS 180 GENERAL PHYSICS II 4 Pre-Req: PHYS 170 Co-Req: MATH 180		FCWR 151 FOUNDATIONS OF RESEARCH WRITING 3 Pre-Req: FCWR 101		16
YEAR 2	FALL		MENG 201 ENGINEERING PROGRAMMING 3	MENG 211 ENGINEERING MECHANICS I (Statics) 3 Pre-Req: PHYS 170, MATH 180	MATH 260 CALCULUS III 4 Pre-Req: MATH 180	PHYS 225 INTRODUCTION OF MODERN PHYSICS 3 Pre-Req: PHYS 180			FCSC 101 FOUNDATIONS OF SCIENTIFIC PROCESS 3	16
	SPRING	MENG 270 INSTRUMENTATION AND MEASUREMENT 1 Pre-Req: PHYS 170	MENG 221 STRENGTH OF MATERIALS 3 Pre-Req: MENG 211 & MATH 180	MENG 212 ENGINEERING MECHANICS II 3 Co-Req: MATH 260 Pre-Req: MENG 211,	MATH 320 DIFFERENTIAL EQUATIONS 3 Pre-Req: MATH 260	MENG 240 THERMODYNAMICS 3 Pre-Req: PHYS 225, CHEM 107		FCWR 304* COMMUNICATION FOR TECHNICAL PROFESSIONS 3		16
YEAR 3	FALL	MENG 370 MACHINE DESIGN 3 Pre-Req: MENG 221	MENG 340 FLUID MECHANICS 3 Pre-Req: MENG 240	MENG 321 INTRO TO COMPUTER AIDED DESIGN 3 Pre-Req: MENG 105	MENG 310 INTRODUCTION TO MATERIAL SCIENCE 3 Pre-Req: CHEM 107 or CHEM 110	IENG 240 ENGINEERING ECONOMICS 3 Pre-Req: MATH 141, TMAT 155 or MATH 136			FCSP 105 FOUNDATIONS OF SPEECH COMMUNICATION 3 Pre-Req: FCWR 101	18
	SPRING	MENG 346 ENERGY CONVERSION 4 Pre-Req: MENG 240	MENG 324 VIBRATIONS AND SYSTEM 3 Pre-Req: MENG 201, MENG 212, MATH 320	MENG 349 HEAT TRANSFER 3 Pre-Req: MENG 240, MATH 320	EENG 211 ELECTRICAL CIRCUITS 3 Pre-Req: MATH 170, PHYS 170 Co-Req: MATH 180, PHYS 180	MENG 343 THERMOFLUID LABORATORIES 1 Pre-Req: MENG 340, MENG 240		ICLT 3XX* LITERATURE CHOICE 3		17
YEAR 4	FALL	MENG 438 ENGINEERING ANALYSIS 3 Pre-Req: MENG 201 and MATH 320		AENG 410 AERODYNAMICS 3 Pre-Req: MENG 340, MATH 320	IENG 245 STATISTICAL DESIGN I 3 Pre-Req: MATH 170 OR MATH 235	EENG 275 ELECTRONICS LAB 1 Pre-Req: EENG 211 and FCWR 101	LIBERAL ARTS ELECTIVE 3	ICPH 3XX* PHILOSOPHY CHOICE 3		16
	SPRING	AENG 490 FLIGHT VEHICLE DESIGN 4 Pre-Req: MENG 340		AENG 492 SENIOR AEROSPACE DESIGN 4 Pre-Req: AENG 490, Chairperson approval	AENG 463 PROPULSION 3 Pre-Req: MENG 340			ICBS 3XX* BEHAVIORAL SCIENCE CHOICE 3	ICSS 309*+ SOCIAL SCIENCE: TECHNOLOGY AND GLOBAL ISSUES 3	17
CREDITS										132

\* Pre-Req: FCIQ 101, FCSP 105, FCSC 101, FCWR 151

+ICSS 309 is cross-listed with IENG 400

(Rev 4/18)