

YEAR TERM		MAJOR				CORE		TOTAL CREDITS	
YEAR 1	FALL	ETCS 105 CAREER DISCOVERY 2	ETEC 110 ELECTRICAL TECHNOLOGY I Co-Req: MATH 135 or MATH 141 4		MATH 135 FUNDAMENTALS OF PRECALCULUS I Pre-Req: Placement Exam or MATH 101 4		FCWR 101* FOUND. OF COLLEGE COMPOSITION Pre-Req: Placement or WRIT 100 3	FCSP 105 FOUNDATIONS OF SPEECH COMMUNICATION 3	16
	SPRING		ETEC 120 ELECTRICAL TECHNOLOGY II Pre-Req: ETEC 110; Co-Req: MATH 136 4	ETEC 131 ELECTRONICS TECHNOLOGY I Pre-Req: ETEC 110; Co-Req: ETEC 120 4	MATH 136 FUNDAMENTALS OF PRECALCULUS II Pre-Req: MATH 135 4		FCWR 151* FOUNDATIONS OF RESEARCH WRITING Pre-Req: FCWR 101 3		15
YEAR 2	FALL	CTEC 204 PROGRAMMING TECHNIQUES I Pre-Req: MATH 135 or MATH 141 3	CTEC 216 DIGITAL ELECTRONICS Pre-Req: ETEC 130 or ETEC 131 4	ETEC 231 ELECTRONICS TECHNOLOGY II Pre-Req: ETEC 131 4	MATH 161 BASIC APPLIED CALC. Pre-Req: Placement Exam, MATH 136 or MATH 141 3	PHYS 130 INTRO PHYSICS Pre-Req: MATH 135 or MATH 161 or MATH 170 3			17
	SPRING	CTEC 208 PROGRAMMING TECHNIQUES II Pre-Req: CTEC 204 or CTEC 205 3	CTEC 243 APPLIED COMPUTATIONAL ANALYSIS I Pre-Req: MATH 161 3	CTEC 241 CIRCUIT DESIGN AND FABRICATION Pre-Req: ETEC 131, and CTEC 215 or CTEC 216 4		PHYS 150 INTRO PHYSICS II Pre-Req: PHYS 130 3	LIBERAL ARTS ELECTIVE Consult faculty advisor 3		16
YEAR 3	FALL	CTEC 235 MICROCOMPUTERS I Pre-Req: ETEC 131 and CTEC 216 4	CTEC 247 APPLIED COMPUTATIONAL ANALYSIS II Pre-Req: CTEC 243 3	ETEC 310 COMMUNICATION CIRCUITS Pre-Req: ETEC 231 and MATH 161 4		SCIENCE or LIBERAL ARTS ELECTIVE Consult faculty advisor 3	FCWR 304 COMMUNICATION FOR TECHNICAL PROFESSIONS Pre-Req: FCWR 151 3		17
	SPRING	CTEC 336 EMBEDDED SYSTEMS & INTERNET OF THINGS Pre-Req: CTEC 206, CTEC 235 4	CTEC 350 MICRO-CONTROLLER BASED SYSTEMS Pre-Req: CTEC 235 3	IENG 240 ENGINEERING ECONOMICS Pre-Req: MATH 136 or higher 3	ETEC 325 APPLIED STATISTICS Pre-Req: MATH 161 and CTEC 243 3		ICBS 3XX** BEHAVIORAL SCIENCE CHOICE 3		16
YEAR 4	FALL	ETEC 495 SENIOR DESIGN Pre-Req: two courses from this group: CTEC 350 or CTEC 430 or CTEC 460 or ETEC 420 or ETEC 470 3		IENG 251 PROJECT ENGINEERING Pre-Req: MATH 161 or MATH 170 3	CTEC/ETEC ELECTIVE*** 3	CTEC/ETEC ELECTIVE*** 3	ICPH 3XX** PHILOSOPHY CHOICE 3		15
	SPRING	ETEC 410 CONTROL SYSTEMS TECHNOLOGY Pre-Req: CTEC 216 or CTEC 225, and ETEC 230 or ETEC 231, and CTEC 246 or CTEC 247 4			CTEC/ETEC ELECTIVE*** 3	LIBERAL ARTS ELECTIVE Consult faculty advisor 3	ICLT 3XX** LITERATURE CHOICE 3	ICSS 309/ IENG 400** TECHNOLOGY AND GLOBAL ISSUES Junior or Senior Status 3	16

CREDITS 128

***CTEC/ETEC Electives with Senior Status, Chairperson Approval (choose 9 credits from the following):					
COURSE	CREDITS	PRE-REQUISITES	COURSE	CREDITS	PRE-REQUISITES
CTEC 315	3	CTEC 208	ETEC 420	3	ETEC 310
CTEC 430	3	CTEC 335/336 *pending approval	ETEC 470	3	ETEC 231, PHYS 150
CTEC 460	3	CTEC 235	ETEC 490	3	Chairperson Approval
CTEC 471	3	CTEC 204 or CTEC 205	ETEC 491	3	Chairperson Approval

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

**Pre-Req: FCWR 101, FCWR 151

Course names, numbers and/or pre-requisites are subject to change. (Rev. 4/21)