

YEAR TERM		MAJOR					CORE			TOTAL CREDITS
YEAR 1	FALL		ETEC 110 4 ELECTRICAL TECHNOLOGY I Co-Req: TMAT 135 or MATH 135		MATH 135 4 FUNDAMENTALS OF PRECALCULUS I Pre-Req: Placement Exam or MATH 101		FCWR 101* 3 FOUNDATIONS OF COLLEGE COMPOSITION Pre-Req: Placement or WRIT 100	FCIQ 101 3 FOUNDATIONS OF INQUIRY	FCSC 101 3 FOUNDATIONS OF SCIENTIFIC PROCESS	17
	SPRING	ETCS 105 2 CAREER DISCOVERY	ETEC 120 4 ELECTRICAL TECHNOLOGY II Pre-Req: ETEC 110; Co-Req: MATH 136	ETEC 131 4 ELECTRONICS TECHNOLOGY I Pre-Req: ETEC 110; Co-Req: ETEC 120	MATH 136 4 FUNDAMENTALS OF PRECALCULUS II Pre-Req: Placement Exam MATH 135		FCWR 151* 3 FOUNDATIONS OF RESEARCH WRITING Pre-Req: FCWR 101			17
YEAR 2	FALL	CTEC 204 3 PROGRAMMING TECHNIQUES I Pre-Req: TMAT 135, MATH 135 or MATH 141	CTEC 216 4 DIGITAL ELECTRONICS Pre-Req: ETEC 130 or ETEC 131	ETEC 231 4 ELECTRONICS TECHNOLOGY II Pre-Req: ETEC 131	MATH 161 3 BASIC APPLIED CALC. Pre-Req: Placement Exam, TMAT 155, MATH 136 or MATH 141	PHYS 130 3 INTRO PHYSICS Pre-Req: TMAT 135 or MATH 135				17
	SPRING	CTEC 208 3 PROGRAMMING TECHNIQUES II Pre-Req: CTEC 204 or CTEC 205	CTEC 243 3 APPLIED COMPUTATIONAL ANALYSIS I Pre-Req: MATH 161	CTEC 241 4 CIRCUIT DESIGN AND FABRICATION Pre-Req: ETEC 131, and CTEC 215 or CTEC 216		PHYS 150 3 INTRO PHYSICS II Pre-Req: PHYS 130			FCSP 105 3 FOUNDATIONS OF SPEECH COMMUNICATION	16
YEAR 3	FALL	CTEC 235 4 MICROCOMPUTERS I Pre-Req: ETEC 131 and CTEC 216	CTEC 247 3 APPLIED COMPUTATIONAL ANALYSIS II Pre-Req: CTEC 243	ETEC 310 4 COMMUNICATION CIRCUITS Pre-Req: ETEC 231 and MATH 161		SCIENCE or LIBERAL ARTS ELECTIVE 3 Consult faculty advisor	FCWR 304 3 COMMUNICATION FOR TECHNICAL PROFESSIONS Pre-Req: FCWR 151			17
	SPRING	CTEC 336 4 EMBEDDED SYSTEMS & IOT Pre-Req: CTEC 206, CTEC 235	CTEC 350 3 MICRO-CONTROLLER BASED SYSTEMS Pre-Req: CTEC 235	IENG 240 3 ENGINEERING ECONOMICS Pre-Req: MATH 136 or higher	ETEC 325 3 APPLIED STATISTICS Pre-Req: MATH 161, CTEC 243		ICBS 3XX** 3 BEHAVIORAL SCIENCE CHOICE			16
YEAR 4	FALL	ETEC 495 /CTEC 495 3 SENIOR DESIGN/ COMP TECH SEMI. PROJECT Pre-Req: two courses from this group: CTEC 350 or CTEC 430 or CTEC 460 or ETEC 420 or ETEC 470		IENG 251 3 PROJECT ENGINEERING Pre-Req: MATH 160 or MATH 161 or MATH 170	CTEC/ETEC ELECTIVE*** 3	CTEC/ETEC ELECTIVE*** 3	ICPH 3XX** 3 PHILOSOPHY CHOICE			15
	SPRING	ETEC 410 4 CONTROL SYSTEMS TECHNOLOGY Pre-Req: CTEC 216 or CTEC 225, and ETEC 230 or ETEC 231, and CTEC 246 or CTEC 247			CTEC/ETEC ELECTIVE*** 3	LIBERAL ARTS ELECTIVE 3 Consult faculty advisor	ICLT 3XX** 3 LITERATURE CHOICE		ICSS 309/ IENG 400 3 TECHNOLOGY AND GLOBAL ISSUES Junior or Senior Status	16

CREDITS **131**

(REV: 6/2020)

***CTEC/ETEC Electives with Senior Status, Chairperson Approval (choose 9 credits from the following):					
COURSE	CREDITS	PRE-REQUISITES	COURSE	CREDITS	PRE-REQUISITES
CTEC 460	3	CTEC 235	ETEC 470	3	ETEC 231, PHYS 150
CTEC 471	3	CTEC 204 or CTEC 205	ETEC 490	3	Chairperson Approval
ETEC 240	3	ETEC 120	ETEC 491	3	Chairperson Approval
ETEC 420	3	ETEC 310	MTEC 210	3	CTEC 204
CTEC 430	3	CTEC 335			

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

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

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