

YEAR TERM		MAJOR					GENERAL EDUCATION		TOTAL CREDITS
YEAR 1	FALL	<b>ETCS 105</b> 2 CAREER DISCOVERY	<b>ETEC 110</b> 4 ELECTRICAL TECHNOLOGY I Co-Req: MATH 135 or MATH 141		<b>MATH 135</b> 4 FUNDAMENTALS OF PRECALCULUS I Pre-Req: Requires Placement		<b>FCWR 101/111</b> 3 FOUNDATIONS OF COLLEGE COMPOSITION Pre-Req: Requires Placement	<b>DATA 101</b> 3 MAKING SENSE OF A DATA-ORIENTED SOCIETY	16
	SPRING		<b>ETEC 120</b> 4 ELECTRICAL TECHNOLOGY II Pre-Req: ETEC 110; Co-Req: MATH 136	<b>ETEC 131</b> 4 ELECTRONICS TECHNOLOGY I Pre-Req: ETEC 110; Co-Req: ETEC 120	<b>MATH 136</b> 4 FUNDAMENTALS OF PRECALCULUS II Pre-Req: MATH 135		<b>FCWR 151/161</b> 3 FOUNDATIONS OF RESEARCH WRITING Pre-Req: FCWR 101/111		15
YEAR 2	FALL	<b>CTEC 204</b> 3 PROGRAMMING TECHNIQUES I Pre-Req: MATH 135 or MATH 141	<b>CTEC 216</b> 4 DIGITAL ELECTRONICS Pre-Req: ETEC 130 or ETEC 131	<b>ETEC 231</b> 4 ELECTRONICS TECHNOLOGY II Pre-Req: ETEC 131	<b>MATH 161</b> 3 BASIC APPLIED CALC. Pre-Req: Requires Placement, MATH 136 or MATH 141	<b>PHYS 130</b> 3 INTRO PHYSICS Pre-Req: MATH 135 or MATH 161 or MATH 170			17
	SPRING	<b>CTEC 208</b> 3 PROGRAMMING TECHNIQUES II Pre-Req: CTEC 204 or CTEC 205	<b>CTEC 243</b> 3 APPLIED COMPUTATIONAL ANALYSIS I Pre-Req: MATH 161	<b>CTEC 241</b> 4 CIRCUIT DESIGN AND FABRICATION Pre-Req: CTEC 216		<b>PHYS 150</b> 3 INTRO PHYSICS II Pre-Req: PHYS 130	<b>LIBERAL ARTS ELECTIVE</b> 3 Consult faculty advisor		16
YEAR 3	FALL	<b>CTEC 235</b> 4 MICROCOMPUTERS I Pre-Req: ETEC 131 and CTEC 216	<b>CTEC 247</b> 3 APPLIED COMPUTATIONAL ANALYSIS II Pre-Req: CTEC 243	<b>ETEC 310</b> 4 COMMUNICATION CIRCUITS Pre-Req: ETEC 231 and MATH 161		<b>SCIENCE or LIBERAL ARTS ELECTIVE</b> 3 Consult faculty advisor	<b>FCWR 304</b> 3 COMMUNICATION FOR TECHNICAL PROFESSIONS Pre-Req: FCWR 151/161		17
	SPRING	<b>CTEC 336</b> 4 EMBEDDED SYSTEMS & INTERNET OF THINGS Pre-Req: CTEC 204, CTEC 235	<b>CTEC 350</b> 3 MICRO-CONTROLLER BASED SYSTEMS Pre-Req: CTEC 235	<b>IENG 240</b> 3 ENGINEERING ECONOMICS Pre-Req: MATH 136 or higher	<b>ETEC 325</b> 3 APPLIED STATISTICS Pre-Req: MATH 161 and CTEC 243		<b>ICXX 3XX*</b> 3 SEMINAR CHOICE (ICBS, ICLT, ICPH, or ICSS) Pre-Req: FCWR 151/161		16
YEAR 4	FALL	<b>ETEC 495</b> 3 SENIOR DESIGN Pre-Req: Two courses from this group: CTEC 350 or CTEC 430 or CTEC 460 or ETEC 420 or ETEC 470		<b>IENG 251</b> 3 PROJECT ENGINEERING Pre-Req: MATH 161 or MATH 170	<b>CTEC/ETEC ELECTIVE***</b> 3	<b>CTEC/ETEC ELECTIVE***</b> 3	<b>ICXX 3XX*</b> 3 SEMINAR CHOICE (ICBS, ICLT, ICPH, or ICSS) Pre-Req: FCWR 151/161		15
	SPRING	<b>ETEC 410</b> 4 CONTROL SYSTEMS TECHNOLOGY Pre-Req: CTEC 216, ETEC 231, and CTEC 247			<b>CTEC/ETEC ELECTIVE***</b> 3	<b>LIBERAL ARTS ELECTIVE</b> 3 Consult faculty advisor	<b>ICXX 3XX*</b> 3 SEMINAR CHOICE (ICBS, ICLT, ICPH, or ICSS) Pre-Req: FCWR 151/161	<b>IENG 400</b> 3 TECHNOLOGY AND GLOBAL ISSUES Junior or Senior Status	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 422	3	ETEC 310 and ETEC 325
CTEC 430	3	CTEC 335/336	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

\*Three seminar courses must be chosen from 4 subject areas, ICLT, ICPH, ICBS and ICSS, of which ICLT, ICPH and ICBS may be duplicated.

Co-Op Option: ETCS 300 (Foundations for Success in CoECS Co-Op) and ETCS 301 (CoECS Co-Op)