

| 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 COMP. Pre-Req: Placement Exam 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: TMAT 155 or 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 TMAT 135 or MATH 135 | | FCWR 151* 3 FOUNDATIONS OF RESEARCH WRITING Pre-Req: FCWR 101 or WRIT 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 335 4 MICROCOMPUTERS II Pre-Req: CTEC 235 | CTEC 350 3 MICROCONTROLLER BASED SYSTEMS Pre-Req: CTEC 235 | IENG 240 3 ENGINEERING ECONOMICS Pre-Req: TMAT 155, 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, & ETEC 230 or ETEC 231, & CTEC 246 or CTEC 247 | | | CTEC/ETEC ELECTIVE*** 3 | LIBERAL ARTS ELECTIVE 3 Consult faculty advisor | ICLT 3XX** 3 LITERATURE CHOICE | | ICSS 309***+ 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

†ICSS 309 is cross-listed with IENG 400

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