

Associate in Applied Science Degree

CIVIL ENGINEERING TECHNOLOGY

If you enjoy mathematical challenges and like to build things, a Civil Engineering Technology degree might be just the program for you. Students will learn to apply theory and principles of Civil Engineering Technology in planning, designing, and overseeing construction and maintenance of structures and facilities under the direction of engineering staff. Civil Engineering Technology graduates also have the option to continue their education by transferring to a senior institution and pursuing a Bachelor's Degree in Engineering Technology. For transfer option see an Civil Engineering Program advisor.

CURRICULUM SEQUENCE

First Semester - Fall

| | | |
|---------|-----------------------------|----|
| EGR 170 | Engineering Materials | 3 |
| EGR 270 | Introduction to Engineering | 3 |
| EGT 101 | Basic Technical Drawing | 2 |
| ENG 155 | Communications I* | 3 |
| MAT 175 | Algebra and Trigonometry I* | 3 |
| | TOTAL | 14 |

Second Semester - Spring

| | | |
|---------|---|----|
| CHM 110 | College Chemistry I | 4 |
| or | | |
| PHY 201 | Physics I* | |
| EGR 260 | Engineering Statics | 3 |
| EGR 275 | Intro. to Engineering/ Computer Graphics | 3 |
| EGR 285 | Engineering Surveying I | 3 |
| EGR 295 | Engineering Surveying Lab I | 1 |
| MAT 176 | Algebra and Trigonometry II* | 3 |
| | TOTAL | 17 |

Third Semester - Summer

| | | |
|---------|---|----|
| CET 210 | Strength of Materials | 3 |
| EGR 286 | Engineering Surveying II | 3 |
| EGR 296 | Engineering Surveying Lab II | 1 |
| EGR 289 | SCWE in Civil Engineering Technology | 3 |
| | TOTAL | 10 |

Fourth Semester - Fall

| | | |
|---------|---------------------------|----|
| CET 216 | Soil Mechanics | 3 |
| CET 218 | Hydraulics | 3 |
| CET 242 | Concrete Design | 3 |
| ENG 160 | Technical Communications* | 3 |
| PSY 103 | Human Relations* | 3 |
| | TOTAL | 15 |

Fifth Semester - Spring

| | | |
|---------|--|----|
| CET 245 | Cost Estimating | 3 |
| or | | |
| CET 127 | Building Construction Print Reading | |
| CET 246 | Environmental Systems Technology | 3 |
| CET 251 | Highway Design | 3 |
| EGR 288 | Drainage Design | 3 |
| PHI 103 | Workplace Ethics* | 3 |
| | TOTAL | 15 |

(Continued)

TOTAL CREDIT HOURS

71

* The following university transferable sequences may be substituted: MAT 110, MAT 111, MAT 140 for MAT 175/176/130 and ENG 101, ENG 102 and SPC 205 for ENG 155/160; PSY 201 for PSY 103 and PHI 110 for PHI 103; PHY 221 for PHY 201. Please see department chair for specific details.