

Civil Engineering Technology Certificate

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NOTICE(s): For the certificate in Civil Engineering Technology, Civil Engineering Technology Specialty, the student must complete 44 credit hours - 6 general education hours and 38 technical hours - all of which must be approved by the advisor. Technical courses, which may vary to meet student needs and to provide options, must be selected from those listed below. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

The courses in this program of study may not be offered every semester. It is important to consult with your advisor to determine course schedules to stay on track to graduate.

This program is offered at the East Broad Campus only.

Area I – Written Composition

| Item # | Title | Hours |
|---------|-----------------------|-------|
| ENG 101 | English Composition I | 3 |
| | Sub-Total Credits | 3 |

Area III – Natural Sciences and Mathematics

| Item # | Title | Hours |
|--------|---|-------|
| | MTH 100: Intermediate College Algebra OR numerically higher | 3 |
| | Sub-Total Credits | 3 |

Area V - Required Technical Courses

| Item # | Title | Hours |
|---------|---|-------|
| CET 100 | Engineering Blueprints | 3 |
| CET 101 | Introduction to Engineering Technology | 3 |
| CET 111 | Fundamentals of Surveying | 3 |
| CET 112 | Intermediate Surveying | 3 |
| MDT 105 | Introduction to Computer-Aided Design (CAD) | 3 |
| ORI 101 | Orientation to College | 1 |
| WKO 101 | Workplace Skills Development I | 1 |
| | Sub-Total Credits | 17 |

Area V - Additional Coursework

Choose 21 credit hours from the list below:

| Item # | Title | Hours |
|---------------|--|--------------|
| CET 105 | Introduction to Microstation | 3 |
| CET 121 | Engineering Materials | 3 |
| CET 131 | Highway Design and Construction | 3 |
| CET 214 | Hydraulics | 3 |
| CET 216 | Advanced Surveying | 3 |
| CET 222 | Residential Land Development | 3 |
| CET 223 | Site Planning and Development | 3 |
| CET 240 | Geographic Information Systems | 3 |
| CET 281A | Special Topics in Civil Engineering Technology | 3 |
| CIS 146 | Computer Applications | 3 |
| MDT 122 | Architectural Drawing | 3 |
| SPH 106 | Fundamentals of Oral Communication | 3 |
| | Sub-Total Credits | 36 |
| | | 44 |