

# PROGRAMS

## CIVIL ENGINEERING TECHNOLOGY (C40140)

**Engineering and Technology Pathway:** These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects.

Course work includes mathematics, natural sciences, engineering sciences and technology.

Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, engineering technicians, construction technicians and managers, industrial and technology managers, or research technicians.

**Civil Engineering Technology:** A course of study that prepares students to use basic engineering principles and technical skills to carry out planning, documenting and supervising tasks in sustainable land development and public works and facilities projects. Includes instruction in the communication and computational skills required for materials testing, structural testing, field and laboratory testing, site analysis, estimating, project management, plan preparation, hydraulics, environmental technology, and surveying. Graduates should qualify for technician-level jobs with both public and private engineering, construction, and surveying agencies.

### Certificate Program

|  |  | Course Hours Per Week |           | Semester Hours |
|--|--|-----------------------|-----------|----------------|
| First Semester (Fall)                        |  | Class                 | Lab       | Credit         |
| CEG-210                                      | Construction Mtls & Methods                          | 2                     | 3         | 3              |
| EGR-110 or<br>EGR-150                        | Intro to Engineering Tech or<br>Intro to Engineering | 1                     | 2         | 2              |
| EGR-115                                      | Intro to Technology                                  | 2                     | 3         | 3              |
| EGR-115A                                     | Intro to Technology Lab                              | 0                     | 3         | 1              |
| <b>Credit Hours</b>                          |  | <b>5</b>              | <b>11</b> | <b>9</b>       |
| Second Semester (Spring)                     |  |                       |           |                |
| CEG-235                                      | Project Management/Estimating                        | 2                     | 3         | 3              |
| EGR-120                                      | Eng and Design Graphics                              | 2                     | 2         | 3              |
| <b>Credit Hours</b>                          |  | <b>4</b>              | <b>5</b>  | <b>6</b>       |
| Third Semester (Summer)                      |  |                       |           |                |
| EGR-251                                      | Statics  | 2                     | 2         | 3              |
| <b>Credit Hours</b>                          |  | <b>2</b>              | <b>2</b>  | <b>3</b>       |
| Total Required Minimum Semester Hours Credit |  |                       |           | 18             |

[View Catalog Archives](#)

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