

PROGRAMS

ENVIRONMENTAL ENGINEERING TECHNOLOGY (A40150)

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.

Environmental Engineering Technology: A course of study that prepares students to use mathematical and scientific principles to modify, test, and operate equipment and devices used in the prevention, control and remediation of environmental problems and development of environmental remediation devices. Includes instruction in environmental safety principles, environmental standards, testing and sampling procedures, laboratory techniques, instrumentation calibration, safety and protection procedures, equipment maintenance, and report preparation.

Associate in Applied Science Degree Program

| | | Course Hours Per Week | | Semester Hours |
|--------------------------|--|-----------------------|--------------|----------------|
| First Semester (Fall) | | Class | Lab | Credit |
| ACA-115 | Success & Study Skills | 0 | 2 | 1 |
| BPR-130 | Print Reading-Construction | 3 | 0 | 3 |
| CEG-115 | Intro to Tech & Sustainability | 2 | 3 | 3 |
| CEG-115A | Tech & Sustainability Lab | 0 | 3 | 1 |
| CEG-210 | Construction Mtls & Methods | 2 | 3 | 3 |
| EGR-110 or EGR-150 | Intro to Engineering Tech or Intro to Engineering | 1 | 2 | 2 |
| ENG-111 | Writing and Inquiry | 3 | 0 | 3 |
| *** | Technology Elective | 1-3 | 0-2 | 2-3 |
| Credit Hours | | 12-14 | 13-15 | 18-19 |
| Second Semester (Spring) | | | | |
| CEG-111 | Intro to Gis and Gnss | 2 | 4 | 4 |
| CEG-235 | Project Management/Estimating | 2 | 3 | 3 |
| EGR-120 | Eng and Design Graphics | 2 | 2 | 3 |
| ENG-112 or ENG-114 | Writing/Research in the Disc or Prof Research & Reporting | 3 | 0 | 3 |
| MAT*** | MAT-121 or MAT-171 | 2-3 | 2 | 3-4 |

| Credit Hours | | Course Hours Per Week | | Semester Hours |
|--|-------------------------------|-----------------------|-----------|----------------|
| | | 11-12 | 11 | 16-17 |
| Third Semester (Summer) | | | | |
| EGR-251 | Statics | 2 | 2 | 3 |
| SRV-110 | Surveying I | 2 | 6 | 4 |
| *** | Social/Beh Science Elective | 3 | 0 | 3 |
| Credit Hours | | 7 | 8 | 10 |
| Fourth Semester (Fall) | | | | |
| CEG-211 | Hydrology & Erosion Control | 2 | 3 | 3 |
| CIV-111 | Soils and Foundations | 2 | 4 | 4 |
| SRV-111 | Surveying II | 2 | 6 | 4 |
| SST-140 | Green Bldg & Design Concepts | 3 | 0 | 3 |
| *** | Humanities/Fine Arts Elective | 3 | 0 | 3 |
| Credit Hours | | 12 | 13 | 17 |
| Fifth Semester (Spring) | | | | |
| CEG-212 | Intro to Environmental Tech | 2 | 3 | 3 |
| CEG-230 | Subdivision Planning & Design | 1 | 6 | 3 |
| CHM-151 | General Chemistry I | 3 | 3 | 4 |
| ENV-226 | Environmental Law | 3 | 0 | 3 |
| Credit Hours | | 9 | 12 | 13 |
| Total Required Minimum Semester Hours Credit | | | | 74 |

| Technology Electives: | | Class | Lab | Credit |
|-----------------------|-------------------------|-------|-----|--------|
| CIS-111 | Basic PC Literacy | 1 | 2 | 2 |
| EGR-125 | Appl Software for Tech | 1 | 2 | 2 |
| UAS-110 | Intro to UAS Operations | 3 | 0 | 3 |
| UAS-115 | Small UAS Certification | 2 | 0 | 2 |

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Professor Matt Sheffield, Environmental Engineering Technology Coordinator
 170 Little Hall
 (910) 246-4940
sheffieldm@sandhills.edu