

## **Program Description**

The Environmental concentration of the Engineering Science Technology program is designed to meet the needs of today's diverse and high-tech environmental and civil engineering technology industry. Students may choose a program of study offering Technical Certificates of Credit (TCCs) requiring just 29-31 credits, or a full associates degree requiring 71 credit hours.

## **The Education:**

### **Hands-on Technology-based Training for Evolving Industry**

Our program is designed to promote critical thinking ability and to provide hands-on training on cutting edge equipment and software used in the industry. This approach develops a foundation of skills that are applicable to a range of employment opportunities in the environmental engineering industry, equipping students for a dynamic and evolving job market.

## **Programs Available (in table)**

### Program

Engineering Science Technology – Environmental Concentration 71hours

### Technical Certificate programs

Environmental Assessment Technician – 30-31 hrs

Stormwater and Erosion Control Technician – 29 hrs.

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### Nature of Work:

Environmental Engineering Technicians work with engineers and environmental managers to conduct environmental assessments (including soils, hydrology, chemistry and ecology), regulatory compliance inspections and geospatial analysis (surveying and geographic information systems). Regional employment opportunities are found in stormwater and erosion control, environmental impact

assessment and mitigation, as well as water and wastewater treatment. Daily activities for Environmental Engineering Technicians in this field include collecting and interpreting field-based data in natural systems to assess risk, making design recommendations and implement pollution control plans.

#### Occupational trends:

Employment of environmental engineering technicians and related occupations are expected to grow much faster than average at 18% over the next decade. This industry is becoming increasingly technology-oriented, requiring highly skilled technicians capable of integrating environmental science with advanced equipment and software to evaluate problems.

#### Page 3: inside right:

Same as old brochure: general info, academic advising, admissions reqs and financial aid

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#### Is Environmental Engineering Technology a good fit for you?

If you enjoy problem solving, cutting edge technology, working outside in nature, and making a difference in protecting the health of human and natural environments, this is the program for you. Environmental Engineering Technology is a dynamic field and our program provides foundational skills and experience to prepare students for success within a range of related careers.

#### Beyond the Classroom: Employment opportunities for eng sci tech environmental grads

Environmental Engineering Technician

Environmental Science and Protection Technician

Civil Engineering Technician

Surveying and Mapping Technicians