

Environmental Engineering Technician

Associate of Applied Science, 68-70 Credit Hours, 18-Month Program

The Environmental Engineering Technician program is designed to prepare students for work in an exciting and growing field. As our population grows, society puts an ever increasing demand on our natural resources. Program graduates primarily work outdoors in the field, collecting information used to assess how increased demand affects the quality and quantity of our nation's natural resources. Program graduates work in a broad range of jobs such as collecting and analyzing water and soil samples, measuring stream flow and groundwater levels, and conducting soils testing. The work can be physically demanding, requiring technicians to climb or hike long distances, carrying equipment to remote locations. Field work often entails working under varying climatic conditions such as hot summers or cold winters. Technicians may be required to drive off-road vehicles such as 4-wheelers and snowmobiles, or even ride on horses, boats or helicopters, to access some remote sampling sites.

Upon graduation, students can be employed with federal, state, county, and city environmental departments; water treatment facilities; or with private businesses such as consulting engineers, mining companies, and testing labs.

Students will gain experience in environmental sampling and monitoring throughout the program. Field Engineering courses provide students with an excellent balance of theory and hands-on experience that will enable them, upon graduation, to conduct environmental investigations under the supervision of professional Geologists, Engineers, or Hydrologists.

Course	No.	Course Title	Credits
General Education Requirements			
CHEM	106	CHEMISTRY SURVEY	3
CHEM	106L	CHEMISTRY SURVEY LAB	1
CIS	105	MICROCOMPUTER SOFTWARE APPLICATIONS I	3
ECON	202	PRINCIPLES OF MACROECONOMICS	3
ENGL	101	COMPOSITION* <i>or</i>	3
ENGL	106	WORKPLACE COMMUNICATIONS I*	
MATH	101	INTERMEDIATE ALGEBRA ^{1**} <i>or</i>	3
MATH	102	COLLEGE ALGEBRA ^{1***} <i>or</i>	3
MATH	120	TRIGONOMETRY ^{1****}	
PSYC	101	GENERAL PSYCHOLOGY	3
Total			22
Technical Requirements			
CAD	250	INTRODUCTION TO MAPPING/GPS	2
CAD	251	INTRODUCTION TO GIS	3
CAD	252	INTRODUCTION TO SURVEYING	3
EET	102	INTRODUCTION TO ENVIRONMENTAL SCIENCES	4
EET	103	ENVIRONMENTAL INSTRUMENTATION	4
EET	106	INTRODUCTORY FIELD METHODS	3
EET	202	WATER QUALITY	3
EET	203	ENVIRONMENTAL HAZMAT AWARENESS	2
EET	204	ENVIRONMENTAL REGULATIONS	2
EET	222	INTRODUCTION TO WASTEWATER TECHNOLOGIES <i>or</i>	3
EET	298	TECHNICAL COOPERATIVE WORK EXPERIENCE	
EET	225	AIR QUALITY	2
EET	235	CONSTRUCTION MATERIALS SAMPLING & TESTING	3
EET	250	SOILS TESTING	3
EET	251	ENVIRONMENTAL GEOLOGY	3
EET	253	PRINCIPLES OF WATER RESOURCES	3
EET	255	INTRODUCTION TO GEOMORPHOLOGY	3
EET	299	FIELD INTERNSHIP (OPTIONAL)	2
Total			46-48

*Prerequisite: Acceptable ACCUPLACER score or Basic Writing.

**Prerequisite: Acceptable ACCUPLACER score or Elementary Algebra.

***Prerequisite: Acceptable ACCUPLACER score or Intermediate Algebra.

****Prerequisite: Acceptable ACCUPLACER score, Intermediate Algebra, or College Algebra.

¹Choose two of the three math classes (taken in 1st and 2nd semester)

Semester Breakdown

First Semester			Second Semester		
		CR			CR
CAD 250	Introduction to Mapping/GPS	2	CAD 251	Introduction to GIS	3
EET 102	Introduction to Environmental Sciences	4	EET 103	Environmental Instrumentation	4
EET 106	Introductory Field Methods	3	MATH 102	College Algebra <i>or</i>	3
CIS 105	Microcomputer Software Applications I	3	MATH 120	Trigonometry	3
ENGL 101	Composition <i>or</i>	3	CHEM 106	Chemistry Survey	3
ENGL 106	Workplace Communications I	3	CHEM 106L	Chemistry Survey Lab	1
MATH 101	Intermediate Algebra <i>or</i>	3	PSYC 101	General Psychology	3
MATH 102	College Algebra				
Total Credit Hours		18	Total Credit Hours		17
Third Semester			Fourth Semester		
		CR			CR
CAD 252	Introduction to Surveying	3	EET 222	Introduction to Wastewater Technologies <i>or</i>	3
EET 202	Water Quality	3	EET 298	Technical Cooperative Work Experience	2
EET 203	Environmental Hazmat Awareness	2	EET 225	Air Quality	2
EET 204	Environmental Regulations	2	EET 235	Construction Materials Sampling & Testing	3
EET 251	Environmental Geology	3	EET 250	Soils Testing	3
ECON 202	Principles of Macroeconomics	3	EET 253	Principles of Water Resources	3
			EET 255	Introduction to Geomorphology	3
Total Credit Hours		16	Total Credit Hours		17
Optional Summer Semester					
		CR			
EET 299	Field Internship	2			
Total Credit Hours		2			

If you are or have been convicted, pleaded guilty or no contest to, or received a suspended imposition of sentence for a felony or certain misdemeanors, you are advised that you may not be able to complete all course requirements for your chosen program, you may be prevented from taking required certification/licensure examinations in your chosen program field, and you may be prevented from gaining employment in your program field.