

ENVIRONMENTAL STUDIES

Credentials

| | |
|---|--------|
| Environmental Science Technician certificate..... | 31 cr. |
| Environmental Studies AAS degree | 60 cr. |

Major Description

Everyone’s going “green.” Join the forefront of this rising movement with a career in environmental studies. Study the environment, related sciences, communication, and geographic information systems while pursuing an environmental science technician certificate or associate in applied science degree. Prepare yourself for immediate entry into this fast-growing field and gain a higher understanding of the complex interactions between the human population and the earth.

- Complete a spring co-op experience in your final semester that lets you apply your knowledge and practice your skills in a real-world situation.

Job Titles & Median Salaries or Hourly Rates

- Environmental Science Technician: \$41,380 (national)

Environmental Studies AAS Degree

The environmental studies program is an interdisciplinary program that concentrates on the identification of environmental problems and the analysis of the complex interactions of human populations with the earth. The program includes discussions of technology and how it impacts the environment. Program courses incorporate the concept of sustainable development, a form of economic development that encourages economic growth while at the same time improving quality of life and preserving the environment. The capstone course is a Field Experience course where students apply classroom knowledge to a field environmental issue. Students in the environmental studies program can transfer to a four-year environmental studies or environmental science program, or complete an environmental technician certificate.

All courses are not offered each semester. Students should work with an academic advisor or counselor to develop a schedule that will work for them. Students who satisfactorily complete all college and program requirements qualify for an associate in applied science degree.

Students seeking transfer to a baccalaureate program should request transfer guides provided by the department.

SAMPLE SCHEDULE OF COURSES

First Year—Fall Semester

| | | |
|----------|--|---|
| ENG 101 | English Composition 1..... | 3 |
| COMA 103 | Fundamentals of Speech | 3 |
| MATH 113 | Intermediate Algebra for College Students..... | 4 |
| GEOG 135 | Earth Systems | 4 |

Total Credits 14

First Year—Winter Semester

| | | |
|----------|-----------------------------|---|
| ENG 102 | English Composition 2..... | 3 |
| GEOG 212 | Environmental Science | 3 |
| ENVR 107 | Soil Mechanics..... | 4 |
| ART 115 | Art History 1 | 4 |

Total Credits 14

Second Year—Fall Semester

| | | |
|----------|--|---|
| POLS 105 | Survey of American Government..... | 3 |
| CIS 225 | Database Management Systems | 3 |
| ENVR 230 | Energy Resources | 3 |
| GEOG 225 | Introduction to Geographic Information Systems—GIS | 4 |

Total Credits 13

Second Year—Winter Semester

| | | |
|----------|--|---|
| CHEM 111 | General Chemistry 1 | 4 |
| GEOG 217 | Water Resources | 3 |
| ENVR 206 | Environmental Law | 3 |
| GEOG 203 | Weather and Climate..... | 3 |
| ENVR 235 | Geographic Methods Applied to Environmental Problems | 3 |

Total Credits 16

Second Year—Spring Session

| | | |
|----------|------------------------|---|
| ENVR 232 | Field Experience | 3 |
|----------|------------------------|---|

Total Credits 3

PROGRAM TOTAL 60 CREDITS

Students planning to transfer should check the transfer institution’s requirements/guides or discuss their options with a counselor or advisor. Number of credits may vary depending on the course selection.

Environmental Science Technician Certificate

Environmental science technicians provide technical assistance to engineers and scientists by performing tasks such as sample collection, laboratory tests, monitoring, and data management. The environmental science technician applies scientific and technical skills and knowledge to specific tasks. Technicians have strong written and oral communication skills, computer skills, and practical hands on training in the field and laboratory. Technicians can problem solve quickly and apply their classroom knowledge to real world situations. The environmental science technician program provides students with the necessary background to be successful technicians.

Upon completion of this certificate program, it is highly recommended that students complete the 40 hour Hazardous Waste Operations and Emergency Response (Hazwoper) training from any certified location.

All courses are not offered each semester. Students should work with an academic advisor or counselor to develop a schedule that will work for them. Students who satisfactorily complete the program requirements qualify for a certificate of program completion.

SAMPLE SCHEDULE OF COURSES

First Year—Fall Semester

| | | |
|----------|---|---|
| GEOG 135 | Earth Systems | 4 |
| MATH 113 | Intermediate Algebra for College Students..... | 4 |
| GEOG 225 | Introduction to Geographic Information Systems—GIS | 4 |

Total Credits 12

First Year—Winter Semester

| | | |
|----------|--|---|
| ENVR 107 | Soil Mechanics | 4 |
| ENVR 206 | Environmental Law | 3 |
| GEOG 212 | Environmental Science | 3 |
| GEOG 217 | Water Resources | 3 |
| ENVR 235 | Geographic Methods Applied to Environmental Problems..... | 3 |

Total Credits 16

First Year—Spring Session

| | | |
|----------|-------------------------------------|---|
| ENVR 232 | Environmental Field Experience..... | 3 |
|----------|-------------------------------------|---|

Total Credits 3

PROGRAM TOTAL 31 CREDITS