



# Discover

## Schoolcraft College

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### Environmental Studies

If you like to search for facts and analyze information and are committed to preserving the environment, this may be the academic program for you.

Schoolcraft's associate degree program in Environmental Studies gives you a strong foundation in the environment, related sciences, communication, and computer literacy. Then, in your final semester, you get placed in a summer co-op experience that lets you apply your knowledge and practice your skills in a real-world situation.

After completing this program, you'll be prepared to enter the workforce immediately as an Environmental Technician, and your job prospects are promising.

### FREQUENTLY ASKED QUESTIONS

#### What Does an ENVIRONMENTAL TECHNICIAN Do?

Under the direction of an environmental scientist, you may collect samples of air, water, soil and other materials and perform field and laboratory tests to monitor the environment and investigate sources of pollution.

#### What Characteristics Do I Need to Work In This Field?

Critical thinking skills are important as well as an aptitude for science and math. The ability to communicate in writing is also a plus.

#### Where Could I Find a Job?

The most common employers are environmental engineering consulting firms, industries, and governmental agencies.

#### What Is My Employment Outlook?

Employment opportunities for Environmental Science Technicians are expected to grow faster than the average for all occupations through the year 2019.

#### Related Web Sites

Environmental Protection Agency: [www.epa.gov](http://www.epa.gov)

American Academy of Forensic Sciences: [www.aafs.org](http://www.aafs.org)

Michigan Department of Environmental Quality: [www.michigan.gov/deq](http://www.michigan.gov/deq)

#### For More Information

Visit [www.schoolcraft.edu](http://www.schoolcraft.edu) where you can view course and program information, schedule a campus tour, apply for admission, register for courses, and request more information.

Contact the Admissions and Enrollment Center at 734-462-4426 with additional questions.

### employment

#### JOB TITLES & MEDIAN SALARIES OR HOURLY RATES

Environmental Science Technician  
\$45,730 (national)

# discover ENVIRONMENTAL STUDIES

## Program Requirements — 2011–2012 CATALOG

### ENVIRONMENTAL STUDIES ASSOCIATE DEGREE

Schoolcraft program code # AAS.00176

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 the Counseling Center to set up a schedule that will work for them. Students who satisfactorily complete the Environmental Studies Program and all College Requirements qualify for an Associate Degree in Applied Science.

#### SAMPLE SCHEDULE OF COURSES

##### FIRST YEAR

##### Fall Semester

ENG 101	English Composition I	3
COMA 103	Fundamentals of Speech	3
MATH 113	Intermediate Algebra for College Students	4
GEOG 135	Earth Systems	4
		<b>14</b>

##### Winter Semester

ENG 102	English Composition 2	3
GEOG 212	Environmental Science	3
ENVR 107	Soil Mechanics	4
ART 115	Art History I	4
		<b>14</b>

##### 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
		<b>13</b>

##### Winter Semester

CHEM 111	General Chemistry I	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
		<b>16</b>

##### Spring Session

ENVR 232	Field Experience	3
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**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

Schoolcraft program code #1YC.00276

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 the Counseling Center to set up a schedule that will work for them. Students who satisfactorily complete the Program Courses 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
		<b>12</b>

##### 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
		<b>16</b>

##### Spring Session

ENVR 232	Environmental Field Experience	3
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**PROGRAM TOTAL 31 CREDITS**

Virtually any program at Schoolcraft College can be a transfer program if you plan to continue at a four-year institution to earn a bachelor's degree in your major. Visit [www.schoolcraft.edu/transfer](http://www.schoolcraft.edu/transfer) for information about transfer options. To ensure that the Schoolcraft courses you select are the specific ones required by the four-year college of your choice, be sure to consult regularly with your counselor/advisor.



**Schoolcraft  
College**

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It is the policy of Schoolcraft College that no person shall, on the basis of race, color, national origin, gender, age, marital status, creed or disability, be excluded from participation in, be denied the benefits of, or be subjected to discrimination during any program or activity or in employment.

PROGRAM INFORMATION UPDATED 5-11