

# ENVIRONMENTAL SCIENCE

Environmental Sciences is an applied science designed to study interactions among biological, chemical and physical components of the environment. Major areas of focus include water quality, climate change, biodiversity, and environmental assessment, with an emphasis on experiential learning through research and/or internships. This program is orientated towards helping students develop skills for leadership positions in industry, consulting firms, government and environmental groups, as well as providing a foundation for individual community involvement as an informed citizen.

## PROGRAMS



### DEGREES AND CERTIFICATES

- Bachelor of Science in Environmental Science
- Environmental Studies Minor

### ABOUT THE PROGRAM

The Environmental Sciences Program is a unique program in the Department of Biological Sciences. The major and minor provide students with a breadth of experience while developing a well-defined disciplinary understanding in selected areas. During the senior year, each student is required to complete an individual research project or internship.

## REAL-WORLD CONNECTIONS



### SKILLS AND TALENTS

- Data and Analytical Skills
- Communication Skills
- Problem-Solving Skills
- Project Management
- Interpersonal Skills
- Criticalthinking Skills

### CAREERS

- Environmental Scientist
- Field Scientist
- Environmental Technician
- Inorganic Chemist
- Laboratory Technician
- Park Ranger

### EMPLOYERS

- Apex Clean Coordinator
- Blue Earth County
- Carver County Environmental Services
- Delta Reservation
- Gevo
- Minnesota Conservation Corps

## INSPIRED ACTION



### EMPLOYMENT RATE

**97.1%**  
of program graduates begin their careers within one year of graduation.

Graduates: 49  
Respondents: 38  
[link.mnsu.edu/graduate-follow-up](http://link.mnsu.edu/graduate-follow-up)

### MEDIAN SALARY

**\$76,480**

The median annual wage for Environmental Scientists and Specialists in May 2022.

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Environmental Scientists and Specialists, at [link.mnsu.edu/environmental-science-salary](http://link.mnsu.edu/environmental-science-salary)

### PROGRAM WEBSITE



[cset.mnsu.edu/environmental-science](http://cset.mnsu.edu/environmental-science)



## SAMPLE FOUR-YEAR PLAN - ENVIRONMENTAL SCIENCE, BS

First Year (Fall)	First Year (Spring)
BIOL 105 General Biology I (4) GEOG 101 Physical Geography (3) OR GEOG 103 Cultural Geography (3) ENG 101 Foundations of Writing & Rhetoric (4) General Education, Goal Area 5, 6 or 7 (3)	BIOL 106 General Biology II (4) MATH 112 College Algebra (4) OR MATH 115 Pre-calculus (4) OR MATH 121 Calculus I (4) GEOG 101 Physical Geography (3) OR GEOG 103 Cultural Geography (3)
Second Year (Fall)	Second Year (Spring)
GEOG 340 United States (3) BIOL 215 General Ecology (4) CHEM 201 General Chemistry I (5) OR CHEM 106 Chemistry of Life Process I (3) General Education, Goal Area 5 or 6 (3) General Education, Goal Area 6 or 7 (3)	ENG 271W Technical Communication (4) CHEM 202 General Chemistry II OR CHEM 111 Chemistry of Life Process II (5) General Education, Goal Area 6 (3) General Education, Goal Area 6 or 7 (3) General Education, Goal Area 11 (1)
Third Year (Fall)	Third Year (Spring)
ENVR 450 Environmental Pollution Control (3) BIOL Restrictive Elective (3-4) STAT 154 Elementary Statistics (3) OR HLTH 475 Biostatistics (3) GEOG 373 Intro to Geographic Information Systems (4)	ENVR 460 Analysis of Pollutants (4) GEOG 473 Intermediate GIS (4) General Education, Goal Area 1B (3) General Education, Goal Area 9 (3) General Education, Goal Area 11 (1)
Fourth Year (Fall)	Fourth Year (Spring)
ENVR 440 Environmental Regulations (3) ENVR 480 Senior Research (1) OR ENVR 498 Internship (1) OR ENVR 499 Individual Study (1) BIOL 410 Global Change Biology (3) GEOG 471 Digital Field Mapping with GPS (4) GEOG 474 Introduction to Remote Sensing (4)	ENVR 470 Environmental Assessment (3) BIOL Restricted Elective (3-4) GEOG 480 Seminar: Environmental Hazards (4) GEOG 475 Applied Remote Sensing & GIS (4) OR GEOG 479 GIS practicum (4)

For more information about program requirements, visit:  
[mnsu.edu/academics/academic-catalog](http://mnsu.edu/academics/academic-catalog)

### LEARN MORE

**Department of Biological Sciences**  
 242 Trafton Science Center S  
 507-389-2786

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