



Do You like...

- Working outdoors with nature?
- Learning about the physical world?
- Protecting the environment?
- Plants and animals?
- Agriculture and farming?
- Wildlife management?

Careers in this path are related to agricultural science, the environment and natural resources

- Farming and Agriculture
- Forestry
- Environmental Science
- Marine Biology
- Horticulture
- Animal Health Care
- Earth Sciences
- Life Sciences
- Fisheries Management

This brochure will help you plan your classes on your personal career path through high school, college and beyond.

Environmental Science

Environmental Science Career Opportunities

HIGH SCHOOL GRADUATE

- | | |
|---------------------|-----------------------|
| • Farm Worker | • Lumber Production |
| • Farmer | • Machine Operator |
| • Forestry Worker | • Merchant Marine |
| • Gardener | • Nursery Salesperson |
| • Grounds Keeper | • Nursery Worker |
| • Greenhouse Keeper | • Packer/Packager |

SPECIALIZED CERTIFICATE OR ASSOCIATE DEGREE

- | | |
|-----------------------------|------------------------------|
| • Agriculture Consumer | • Food Processing Tech. |
| • Arborist | • Forestry Worker |
| • Botanical Gardens Manager | • Irrigation Technician |
| • Electronic Technician | • Landscape Contractor |
| • Farm Equipment Mech. | • Lumber Production Worker |
| • Farmer | • Pest Management Technician |
| • Floral Designer | • Surveyor |
| • Florist | |

BACHELOR'S DEGREE OR ABOVE

- | | |
|--------------------------|------------------------------|
| • Agricultural Scientist | • Geologist |
| • Air & Marine Navigator | • Horticulturist |
| • Application Programmer | • Interior Plants Landscaper |
| • Biological Scientist | • Inventor |
| • Botanist | • Landscape Architect |
| • Conservation Scientist | • Marine Biologist |
| • Engineer | • Meteorologist |
| • Farmer/Farm Manager | • Nursery/Orchard Manager |
| • Fish & Game Warden | • Physicist & Astronomer |
| • Forester | • Plant Geneticist |
| • Geographer | |

These are only a few of the related careers, as many options are developing in these areas. Your school's Career Resource Center can provide additional information in MOIS or other career exploration resources.

FOR MORE BROCHURES: CONTACT CAREER & TECHNICAL EDUCATION
2725 BOARDWALK • ANN ARBOR, MI 48104 • 734-994-2315

Environmental Science

CAREERS GUIDE



ANN ARBOR PUBLIC SCHOOLS
CAREER PATHWAYS

Environmental Science Careers Guide

	CORE CURRICULUM	HIGH SCHOOL ENRICHMENT ELECTIVES	POST SECONDARY EDUCATION	
9TH GRADE	<ul style="list-style-type: none"> English 9 Math (1 year of Algebra*) Science Law & Non-Western Civilization (Huron) Civics, Government & Law (Pioneer) 	<p>TAKEN ANYTIME:</p> <ul style="list-style-type: none"> Computer Accounting I, II Business Technology Chemistry (Regular/AP) Biology (AP) Physics (Regular/AP) Environmental Science Argumentation/Debate Visual Basic Programming Bio-Related Technology Statistics Economics Marketing 	<p>The University of Michigan (undergraduate programs*)</p> <ul style="list-style-type: none"> Astronomy Atmospheric, Oceanic, & Space Sciences Biology Civil & Environmental Engineering Earth Sciences Ecology & Evolutional Biology Environment Geosciences Geological Sciences Oceanography <p>Washtenaw Community College Offers classes in</p> <ul style="list-style-type: none"> Earth Science Field Geology Geography 	
10TH GRADE	<ul style="list-style-type: none"> English 10 Health Math Science Western Civilization (Huron) Western & Non-Western Civilization (Pioneer) 			<p>Eastern Michigan University (undergraduate programs*)</p> <ul style="list-style-type: none"> Biology, Ecosystem Coastal Environment Conservation & Resource Use Earth Science Geology Recreation & Park Management
11TH GRADE	<ul style="list-style-type: none"> American History Literature 			
12TH GRADE	<ul style="list-style-type: none"> English (.5 credit) US Government (.5 credit) <p>REQUIRED FOR GRADUATION: Taken anytime (21 credits total)</p> <ul style="list-style-type: none"> Physical Education (1 credit) Fine Arts (1 credit*) Speech (.5 credit) Computer Technology (.5 credit*) 			

* Proposed requirements

PATHWAYS CERTIFICATION

Additional required courses



- Science (2 credits)
- Math (2 credits)
- Computer Education (.5 credit)
- Foreign Language (2 credits)

OTHER HIGH SCHOOL OPPORTUNITIES

COMMUNITY RESOURCE EDUCATION PROGRAM

High school students are placed in a variety of community settings for high school credit. For further information, please call the Community Resource Office at 994-2026.

COOPERATIVE OCCUPATIONAL EDUCATION (COE)

Junior and Senior high school students can earn credit in a supervised work environment. This program recognizes school-supervised work as a valuable learning experience.

COLLEGE DUAL ENROLLMENT

Under certain conditions, a secondary student may enroll in a class in a Michigan public or private college and receive partial or full tuition and fees from the school district.

MICHIGAN VIRTUAL UNIVERSITY

On-line courses, see your counselor for information.

**Environmental
Science**



ANN ARBOR PUBLIC SCHOOLS