

# Environmental Science AS

The Environmental Science AS degree program prepares students for introductory jobs in the field of environmental science and environmental technology, and for transfer into a bachelor of science degree program in Environmental Science, as well as other Biological or Natural Science related programs.

## Environmental Science Curriculum

### Curriculum

Program Courses				
Course Code	Title	Course Outlines	Goal Areas	
<a href="#">BIOL 1101</a>	Principles of Biology I <b>and</b>	<a href="#">View-BIOL 1101</a>	n/a	1
<a href="#">BIOL 1102</a>	Principles of Biology II <b>and</b>	<a href="#">View-BIOL 1102</a>	n/a	1
<a href="#">MATH 1210</a>	Applied Statistics <b>and</b>	<a href="#">View-MATH 1210</a>	n/a	4
<a href="#">EEVS 1100</a>	Physical Geology <b>and</b>	<a href="#">View-EEVS 1100</a>	n/a	4
<a href="#">EEVS 2000</a>	Introduction to Environmental Science	<a href="#">View-EEVS 2000</a>	n/a	3

## MnTC Electives

The Humanities Fine Arts (Goal Area 6) - 3 credits

Global Perspective (Goal Area 8) - 3 credits

Unrestricted MnTC Electives 7-8 credits to reach a total of 60 credits (if needed)

## General Education Courses

Course Code	Title	Course Outlines	Goal Areas	
<b>ENGL 1200</b>	Gateway College Writing <b>or</b>	<a href="#">View-ENGL 1200</a>	n/a	4
<b>ENGL 1201</b>	College Writing I <b>and</b>	<a href="#">View-ENGL 1201</a>	n/a	4
<b>ENGL 1202</b>	College Writing II <b>and</b>	<a href="#">View-ENGL 1202</a>	n/a	2
<b>CHEM 1061</b>	Principles of Chemistry I <b>and</b>	<a href="#">View-CHEM 1061</a>	n/a	4
<b>CHEM 1062</b>	Principles of Chemistry II <b>and</b>	<a href="#">View-CHEM 1062</a>	n/a	
<b>COMM 1010</b>	Fundamentals of Public Speaking <b>or</b>	<a href="#">View-COMM 1010</a>	n/a	3
<b>COMM 1110</b>	Principles of Interpersonal Communication <b>and</b>	<a href="#">View-COMM 1110</a>	n/a	3
<b>ECON 1070</b>	Principles of Microeconomics <b>and</b>	<a href="#">View-ECON 1070</a>	n/a	3
<b>MATH 1170</b>	Pre-Calculus <b>or</b>	<a href="#">View-MATH 1170</a>	n/a	4
<b>MATH 1180</b>	College Algebra and Pre-Calculus <b>and</b>	<a href="#">View-MATH 1180</a>	n/a	5
<b>PHIL 1200</b>	Environmental Philosophy	<a href="#">View-PHIL 1200</a>	n/a	3

## **Program Overview**

### **2022-2023**

The Environmental Science AS degree program prepares students for introductory jobs in the field of environmental science, environmental technology and for transfer into a four-year Bachelor of Science Degree Program in Environmental Science/Studies as well as other Biological or Natural Science related programs. Students will complete a strong base of science and math courses along with other core program and general education courses.

This Environmental Studies AS will Transfer to Bemidji State for their Environmental Studies, B.S. (Ecosystems Emphasis)

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## **Program Outcomes**

Knowledge of Human Cultures and the Physical and Natural World:

- Demonstrate a general understanding of the interconnected and interdisciplinary nature of environmental issues.
- Identify and explain environmental processes, ecosystems and human-environment interactions.
- Explain and apply the scientific process by making observations, developing hypotheses, designing experiments and interpreting, analyzing and synthesizing data.
- Recognize and articulate the impact of human development on natural systems, including global, regional and local examples.

### Intellectual and Practical Skills:

- Demonstrate proficiency in quantitative methods, qualitative analysis and critical thinking for scientific problem solving.
- Communicate science and environmental issues effectively through written reports and oral presentations.
- Work effectively both individually and as a member of a group.

### Personal and Social Responsibility and Engagement:

- Reflect critically and from a diversity of viewpoints about their roles and identities as citizens, consumers and environmental actors in a complex, interconnected world.
- Identify and justify key stakeholders in humanities and social sciences that need to be part of sustainable solutions

### Integrative and Applied Learning:

- Integrate facts, observations, concepts and methods from multiple disciplines to solve scientific and environmental problems.
- Be prepared to transfer to a baccalaureate program.
- Be prepared for work in the environmental technology field.

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## Program Maps

Program roadmaps provide students with a guide to understand the recommended course sequence to complete their degree.

- [Environmental Science AS Full Time](#)
  - [Environmental Science AS Part Time](#)
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# Career Opportunities

Information on careers, including salary and employment outlook data, is available at Minnesota State and the Bureau of Labor Statistics websites:

[careerwise.minnstate.edu](http://careerwise.minnstate.edu) and [www.bls.gov](http://www.bls.gov).

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## Transfer Information

If you are planning on transferring to another institution, follow the guidelines available on our transfer resources web page to help you plan the process: [Transfer Information](#)

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## Degree Information

The Associate of Science (A.S.) degree is intended for students whose primary goal is to complete the credentials for a specific career and/or prepare for transfer to complete a bachelor's degree at a college or university with whom North Hennepin Community College has an articulation agreement. The A.S. degree provides a balance of general education courses and the required scientific, professional or technical courses in the degree program.

A student shall:

- Earn a minimum of 60 semester credits as required in the program, with a grade point average of 2.00 (C) or above in courses taken at North Hennepin Community College. Specific programs may have additional requirements or a higher minimum grade point average.
- Earn a minimum of 15 semester credits at North Hennepin Community College. A student must complete at least 50% of career specific courses at North Hennepin Community College.

- Earn 30 credits in at least 6 Minnesota Transfer Curriculum (MnTC) goal areas.
- Earn 30 professional/technical credits.
- Have four years to complete the graduation requirements as published in the catalog in effect at the time of their initial enrollment. Students taking more than four years to complete their graduation requirements may follow any catalog published during the four year period preceding their graduation.

Completion of an A.S. degree fulfills the Goal Area 2 requirement of the Minnesota Transfer Curriculum (MnTC).

**Developmental Courses** Some students may need preparatory course(s) in Math and/or English. Courses numbered below 1000 will not apply toward a degree.

**Equal Opportunity Employer and Disability Access Information** North Hennepin Community College is a member of Minnesota State Colleges and Universities system and an equal opportunity employer and educator. This document is available in alternative formats to individuals with disabilities by calling 7634930555 or through the Minnesota Relay Service at 18006273529.

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## Accreditation

North Hennepin Community College is accredited by the:  
Higher Learning Commission of the North Central Association of Colleges and Schools  
30 N. LaSalle Street, Suite 2400  
Chicago, IL 60602-2504  
1-800-621-7440

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