

AS: Environmental Science

2020-2021

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.

Course No.	Course Title	Credits
BIOL1101	Principles of Biology I	4
BIOL1102	Principles of Biology II	4
MATH1210	Applied Statistics	4
EEVS1100	Physical Geology	4
EEVS2000	Introduction to Environmental Science	3

General Education Courses

Course No.	Course Title	Credits
College Writing I:		
ENGL1200	Gateway College Writing <i>or</i>	4
ENGL1201	College Writing I	4
ENGL1202	College Writing II	2
CHEM1061	Principles of Chemistry I	4
CHEM1062	Principles of Chemistry II	4
COMM1010	Fundamentals of Public Speaking <i>or</i>	3
COMM1110	Principles of Interpersonal Communication	3
ECON1070	Principles of Microeconomics	3
MATH1170	Pre-Calculus <i>or</i>	4
MATH1180	College Algebra and Pre-Calculus	5
PHIL1200	Environmental Philosophy	3

MnTC Electives

Course No.	Course Title	Credits
Humanities and Fine Arts (Goal Area 6)		3
Global Perspective (Goal Area 8)		3
Unrestricted Electives to reach 60 credits		7-8

NHCC Residency and GPA

Course No.	Course Title	Credits
15 Credits must be earned at NHCC:		
2.00 overall GPA for NHCC courses		

Total Credit Required 60

Degree Requirements

2.00 overall GPA for NHCC courses

Program Outcomes

Program Outcomes including Essential Learning 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.

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.

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 763-493-0555 or through the Minnesota Relay Service at 1-800-627-3529.

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](#)

Career Opportunities

Information on careers, including salary and employment outlook data, is available on the iseek and Bureau of Labor Statistics websites: www.iseek.org and www.bls.gov

