

ENVIRONMENTAL SCIENCE

ASSOCIATE OF SCIENCE DEGREE

The Associate of Science degree in Environmental Science provides a broad and interdisciplinary approach to natural resource stewardship that emphasizes Anishinaabe environmental values and worldviews. The program includes hands-on field experiences with forests, water, wildlife, fish, and other natural resources as well as a foundation in social science disciplines that are critical for understanding human dimensions of environmental problems and solutions. Students collaborate with Tribal natural resource agency personnel, complete internships, and conduct original scientific research. Students completing the program are well-positioned for employment or for transfer to 4-year degree programs.

LEARNING OUTCOMES

Upon completion of the Environmental Science Degree Program, students will be able to:

1. Explain the importance of the natural world in Anishinaabe culture.
2. Explain scientific principles pertinent to environmental science.
3. Explain social science concepts pertinent to environmental science.
4. Conduct environmental research relevant to tribal cultural values by applying the scientific process within indigenous scientific frameworks.
5. Deliver a presentation developed from independent research.

General Education Requirements	Credits
College Success Elective (<i>Choose LS103 or LS133</i>)	2
EN102 College Composition I	3
EN202 College Composition II	3
Mathematics Elective (<i>Choose MA105, MA130, or MA201</i>)	4
Social Science Elective (<i>Choose any non-ES social science-designated course</i>)	4
Humanities Elective (<i>Choose ES218, ES219, or must differ in humanities-designation from Anishinaabe Awareness requirement</i>)	4
Subtotal	20

Anishinaabe Awareness Requirement	Credits
Anishinaabe Awareness (<i>Choose from AS101 or OS110</i>)	4
Subtotal	4

Environmental Science Requirements	Credits
ES110 Introduction to Environmental Science	4
ES121 Trees of the Upper Great Lakes	4
GS105 Introduction to Earth Science	4
BI206 Principles of Ecology	4
Applied Ecology Elective (<i>Choose BI200 or ES204</i>)	4
Wildlife Science Elective (<i>Choose BI203 or BI205</i>)	4
Environmental Social Science Elective (<i>Choose ES158, ES216, or ES217</i>)	4
Science Electives (<i>Choose any BI, CH, or ES course, or IS110</i>)	7
ES298 Internship	1
ES297 Capstone Seminar	2
Subtotal	38
Total Credits Required	62