

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 strong 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. Apply the scientific method to answer research questions.
5. Employ standard methods to conduct environmental research.
6. Accurately interpret scientific data.
7. Conduct a professional poster presentation developed from original research.

General Education Requirements	Credits
EN102 College Composition I	3
EN202 College Composition II	3
Mathematics Elective (<i>Choose MA105, MA130, or MA201</i>)	4
Humanities Elective (<i>Choose ES218 or any humanities-designated AR, EN, HU, or LS</i>)	4
Environmental Social Science Elective (<i>Choose ES158, ES216, or ES217</i>)	4
Social Science Elective (<i>Choose any non-ES social science-designated course</i>)	4
LS103 College Success	2
Subtotal	24
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Anishinaabe Awareness Requirements	Credits
OS110 Ojibwa Language & Culture I	4
Anishinaabe Environmental Studies Elective (<i>Choose ES218 or ES219</i>)	4
Subtotal	8
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Environmental Science Requirements	Credits
ES110 Introduction to Environmental Science	4
GS105 Introduction to Earth Science	4
BI206 Principles of Ecology	4
Wildlife Science Elective (<i>Choose BI203 or BI205</i>)	4
Plant Science Elective (<i>Choose BI211 or ES121</i>)	4
Applied Ecology Elective (<i>Choose ES204 or ES242</i>)	4
Environmental Science Elective (<i>Choose IS110 or any BI or ES course</i>)	3
ES298 Internship	1
ES297 Capstone Seminar	3
Subtotal	31
Total Credits Required	63