

# ENVIRONMENTAL SCIENCE – SUSTAINABILITY EMPHASIS

## ASSOCIATE OF SCIENCE DEGREE

The Associate of Science degree in Environmental Science – Sustainability Emphasis prepares students for natural resource careers and 4-year degree programs that require a strong social science foundation. The curriculum underscores links between emerging environmental issues and human dimensions such as sustainability, policy, justice, economics, and culture. Introductory-level lab science curriculum from the Environmental Science associate degree is retained. Students collaborate with Tribal natural resource agency personnel, complete internships, and conduct original research.

## **LEARNING OUTCOMES**

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

1. Explain the importance of the natural world in Anishinaabe culture.
2. Explain how environmental processes are affected by human populations.
3. Describe how environmental problems and solutions are shaped by historical, geographical, social, political, economic, and cultural contexts.
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.

<b>General Education Requirements</b>	<b>Credits</b>
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
<b>Subtotal</b>	<b>12</b>

<b>Anishinaabe Awareness</b>	<b>Credits</b>
Anishinaabe Awareness Elective ( <i>Choose AS102 or OS110</i> )	4
ES219 Anishinaabe Environmental Studies	4
<b>Subtotal</b>	<b>8</b>

<b>Program Requirements</b>	<b>Credits</b>
ES110 Introduction to Environmental Science	4
ES158 Human Geography	4
ES216 Sustainability	4
ES217 Environmental Policy	4
ES218 Environmental Justice and Ethics	4
BI200 Conservation Biology	4
Economics elective ( <i>Choose EC201 or EC202</i> )	4
Ecology Elective ( <i>Choose BI206, BI208, or ES204</i> )	4
Environmental Science Elective ( <i>Choose any BI, ES, or GS course</i> )	4
General Elective ( <i>Choose any course numbered 100 or higher</i> )	3
ES298 Internship	1
ES297 Capstone Seminar	2
<b>Subtotal</b>	<b>42</b>
<b>Total Credits Required</b>	<b>62</b>