

List of Program Outcomes for the A.A.S. in Native Environmental Science Program

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1. **Written communication** Students will be able to...
 - a. Express themselves effectively using a variety of writing styles.
 - b. Write a research paper.
2. **Quantitative reasoning:** Students will be able to...
 - a. Collect, organize, analyze and synthesize data.
 - b. Graph and understand equations.
 - c. Use mathematics to depict relationships and to solve problems.
3. **Oral communication:** Students will be able to...
 - a. Communicate effectively.
 - b. Analyze the audience and modify the communication to suit that audience.
 - c. Evaluate the effectiveness of the communication and make adjustments if and where necessary.
 - d. Use exposition, negotiation, persuasion and argumentation.
4. **Bodies of Knowledge:** Students will be able to...
 - a. Demonstrate competence in chemistry, biology and other foundational bodies of knowledge that support scientific understanding.
 - b. Demonstrate familiarity with local ecosystems.
5. **“Ways of Finding Out”:** Students will be able to...
 - a. Read and understand scientific literature.

- b. Design and conduct a simple experiment.
- c. Understand how to ask to learn traditional knowledge.
- d. View the environment from a past, present and future perspective.

6. Technology: Students will be able to...

- a. Use a spreadsheet program to enter and analyze data.
- b. Use presentation software.
- c. Discuss the limitations of technology.

7. Leadership and Effectiveness: Students will be able to...

- a. Articulate the diversity in spirituality, culture and language.
- b. Articulate their own identity in terms of a sense of place and their people.
- c. Demonstrate knowledge of Native American and other models of leadership.
- d. Demonstrate effective leadership skills.