ENVIRONMENTAL EDUCATION AND SCIENCE COMMUNICATION ACADEMIC GRADUATE CERTIFICATE

All required coursework must be completed with a grade of ‘B’ or better (O-10-b (https://catalog.uidaho.edu/general-requirements-academic-procedures/o-miscellaneous/)).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>NRS 562</td>
<td>Field Science Teaching</td>
<td>2</td>
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**Fall Content Block**

Select two of the following courses: 6-8

- NRS 560  Place-based Ecology I
- NRS 563  Place Based Env. Education
- NRS 575  Leadership for the Environmental Educator

**Winter Content Block**

NRS 564  Teaching Environmental Education in a Winter Environment 2

**Spring Content Block**

NRS 565  Science Communication and the Environment 4  
or NRS 566  Place-based Ecology II

**Teaching Practicum Block**

NRS 567  Environmental Education Teaching Practicum I 2  
NRS 568  Environmental Education Teaching Practicum II 2

**Research Block**

Select 2 credits of the following: 2

- NRS 500  Master’s Research and Thesis ¹
- NRS 502  Directed Study
- NRS 600  Doctoral Research and Dissertation ²

Total Hours 20-22

¹ NRS 500 Master’s Research and Thesis only for students seeking this certificate to complement current M.S. thesis program.

² NRS 600 Doctoral Research and Dissertation only for students seeking this certificate to complement current Ph.D. program.

Courses to total 20 credits for this certificate

1. Students will explore one’s life purpose and meaning through transformational experiences that foster an understanding of self, relationships, and diverse global perspectives; students will critically analyze their own perspective and performance, and demonstrate empathy for diverse perspectives.

2. Students will apply principles of ethical leadership, collaborative engagement, socially responsible behavior, respect for diversity in an interdependent world, and a service-oriented commitment to advance and sustain local and global communities; Students will demonstrate leadership in a variety of situations and exhibit tolerance for adversity and uncertainty.

3. Students will critically analyze information and demonstrate the ability to effectively communicate science through a variety of media and with a diversity of audiences, understand its ethics, and identify its roles in the formulation of individual and public decisions.

4. Students will develop knowledge in ecology, science communication, leadership, and place-based education. Students will apply this knowledge in disciplinary specialization and will create a final portfolio that demonstrates how they integrate knowledge across disciplines.

5. Students will demonstrate a basic understanding of local ecology and socio-ecological issues.

6. Students will acquire, articulate, create, and convey intended meaning using verbal and non-verbal methods of communication that demonstrate respect and understanding in a complex society, with particular emphasis on the role that communication plays in science, leadership, and education to address and communicate socio-ecological issues, environmental issues, and issues of social justice.

7. Students will demonstrate an ability to plan and deliver inclusive, student-centered, inquiry-based, place-based instruction.

8. Students will apply principles of ethical leadership, collaborative engagement, socially responsible behavior, respect for diversity in an interdependent world, and a service-oriented commitment to advance and sustain local and global communities.

9. Students will create and evaluate a project that addresses a “real world” challenge.