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/)).

Code	Title	Hours
Content I Block		
Optional:		
NRS 5150	Introduction to Ecological Data Analysis in R	1
Select two of the following courses:		5-8
NRS 5600	Place-based Ecology I	
NRS 5630	Place Based Env. Education	
NRS 5560	Team Leadership for Environmental Educators	
Content II Block		
Select two of the following courses:		5-8
NRS 5650	Science Communication and the Environment	
NRS 5570	Community Leadership for Environmental Educators	
NRS 5660	Place-based Ecology II	
Teaching Practicum Block		
Select at least two of the following:		4
NRS 5620	Field Science Teaching	
NRS 5640	Teaching Environmental Education in a Winter Environment	
NRS 5670	Environmental Education Teaching Practicum I	
NRS 5680	Environmental Education Teaching Practicum II	
Research Block		
Select at least two credits of any of the following:		2
NRS 5000	Master's Research and Thesis [1]	
NRS 5020	Directed Study	
NRS 5990	Non-thesis Master's Research	
ENVS 5990	Non-thesis Master's Research	
Total Hours		**17-23**

[1] *NRS 5000 Master's Research and Thesis or NRS 5990 Non-thesis Master's Research for students seeking this certificate to complement their current M.S. thesis program or non-thesis MNR 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.