

ENVIRONMENTAL SCIENCE EDUCATION OPTION

This option is offered within the following major(s):

- Environmental Sciences - College of Earth, Ocean, and Atmospheric Sciences (<http://catalog.oregonstate.edu/college-departments/earth-ocean-atmospheric-sciences/environmental-sciences-bs-hbs/>)

The Environmental Science Education option in Environmental Sciences prepares students for entry into OSU's Education Double Degree Program or the MS Professional Teacher Education Program. Environmental Sciences students preparing to teach in secondary school can choose either to pursue a state endorsement in Integrated Science (to teach any middle school science class or high school environmental science, earth science, or another course that is not biology, chemistry, or physics) or Biology, for all secondary biology classes. Students should consult the Content Mastery Sheets for these subjects that are provided by the OSU College of Education. The courses required are subject to change.

Option Code: 846

Code	Title	Credits
Environmental Science Education Core		
<i>Practicum Experience</i>		
Select 3 credits of the following:		3
SED 406	PROJECTS	
ED 309	FIELD PRACTICUM	
ED 409	PRACTICUM/CLINICAL EXPERIENCE	
<i>Education Courses</i>		
Select 6 credits of the following:		6
ED 216	*PURPOSE, STRUCTURE, AND FUNCTION OF EDUCATION IN A DEMOCRACY	
ED 219	*SOCIAL JUSTICE,CIVIL RIGHTS & MULTICULTURALISM IN EDUCATION	
SED 412	TECHNOLOGY FOUNDATIONS FOR TEACHING MATH AND SCIENCE	
SED 413	INQUIRY IN SCIENCE AND SCIENCE EDUCATION	
<i>Human Development Course</i>		
Select 3-4 credits of the following:		3-4
ED 253	LEARNING ACROSS THE LIFESPAN	
HDFS 313	ADOLESCENT DEVELOPMENT	
<i>Special Course Requirement</i>		
Select one of the following:		4-9
Double Degree Program		
ED 216	*PURPOSE, STRUCTURE, AND FUNCTION OF EDUCATION IN A DEMOCRACY	
ED 219	*SOCIAL JUSTICE,CIVIL RIGHTS & MULTICULTURALISM IN EDUCATION	
ED 253	LEARNING ACROSS THE LIFESPAN	
Pre-MS Professional Teacher Education Program		
SED 412	TECHNOLOGY FOUNDATIONS FOR TEACHING MATH AND SCIENCE	
SED 413	INQUIRY IN SCIENCE AND SCIENCE EDUCATION	
MS Professional Teacher Education Program		
HDFS 313	ADOLESCENT DEVELOPMENT	
Upper-Division Science		
Select 14-15 upper-division science credits ¹		14-15
BI 311	GENETICS (recommended but not required)	
BI 445	EVOLUTION (recommended but not required)	
Environmental Sciences students seeking an endorsement in Integrated Science must select the following:		

GEOG 323	*CLIMATOLOGY
GEO 202	*EARTH SYSTEMS SCIENCE
GEO 203/GEO 308	*EVOLUTION OF PLANET EARTH
OC 201	*OCEANOGRAPHY
Environmental Sciences students seeking an endorsement in Biology must select the following:	
CH 231	GENERAL CHEMISTRY
CH 232	GENERAL CHEMISTRY
CH 233	GENERAL CHEMISTRY
Total Credits	30-37

¹ In consultation with your advisor, select additional upper-division science courses from Atmospheric Sciences (ATS), Biochemistry and Biophysics (BB), Botany (BOT), Geology (GEO), History of Science (HSTS), Microbiology (MB), Oceanography (OC) or Zoology (Z).

* Baccalaureate Core Course (BCC)

^ Writing Intensive Course (WIC)

Special Course Requirements by Program:

Environmental Sciences students preparing to teach in secondary school can choose either to pursue a state endorsement in **Integrated Science** (to teach any middle school science class or high school environmental science, earth science, or another course that is not biology, chemistry, or physics) or **Biology**, for all secondary biology classes. Students should consult the Content Mastery Sheets for these subjects that are provided by the OSU College of Education. The courses required are subject to change.

Option Code: 846