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.

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>SED 406</td>
<td>PROJECTS</td>
<td>3</td>
</tr>
<tr>
<td>ED 309</td>
<td>FIELD PRACTICUM</td>
<td></td>
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<tr>
<td>ED 409</td>
<td>PRACTICUM/CLINICAL EXPERIENCE</td>
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**Environmental Science Education Core**

**Practicum Experience**
Select 3 credits of the following:

- SED 406 PROJECTS
- ED 309 FIELD PRACTICUM
- ED 409 PRACTICUM/CLINICAL EXPERIENCE

**Education Courses**
Select 6 credits of the following:

- ED 216 *PURPOSE, STRUCTURE, AND FUNCTION OF EDUCATION IN A DEMOCRACY
- ED 219 CIVIL RIGHTS AND MULTICULTURAL ISSUES IN EDUCATION
- SED 412 TECHNOLOGY FOUNDATIONS FOR TEACHING MATH AND SCIENCE
- SED 413 INQUIRY IN SCIENCE AND SCIENCE EDUCATION

**Human Development Course**
Select 3-4 credits of the following:

- ED 253 LEARNING ACROSS THE LIFESPAN
- HDFS 313 ADOLESCENT DEVELOPMENT

**Special Course Requirement**
Select one of the following:

- ED 216 *PURPOSE, STRUCTURE, AND FUNCTION OF EDUCATION IN A DEMOCRACY
- ED 219 CIVIL RIGHTS AND MULTICULTURAL ISSUES IN EDUCATION
- ED 253 LEARNING ACROSS THE LIFESPAN

**Double Degree Program**

**Pre-MS Professional Teacher Education Program**

**MS Professional Teacher Education Program**

**Upper-Division Science**
Select 14-15 upper-division science credits

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<tr>
<td>BI 311</td>
<td>GENETICS (recommended but not required)</td>
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<tr>
<td>BI 445</td>
<td>EVOLUTION (recommended but not required)</td>
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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 Hours**: 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