Environmental Sciences
Undergraduate Program

2015-2016

Advising Guide for Ecampus Students

Revised 04/28/15
Environmental Sciences Undergraduate Program
A Hands-On Interdisciplinary Approach

Air and water pollution, depletion of ozone in the stratosphere, buildup of greenhouse gases in the atmosphere, nuclear waste, and oil spills in our seas – these are pressing problems that endanger our environment. Scientists must be trained to examine and understand complex environmental issues, to predict environmental change, and to participate in responsible management of the environment. To help reach these objectives, Oregon State University (OSU) and the College of Earth, Ocean, and Atmospheric Sciences (CEOAS) offers an interdisciplinary approach to environmental problem solving with the Environmental Sciences (ENSC) Bachelor of Science (BS) degree.

Environmental Sciences Major
The ENSC curriculum provides breadth of training in the sciences, mathematics and relevant social sciences and humanities. Depth is acquired by specializing in a defined field such as applied ecology and resource management. Students are encouraged to take advantage of opportunities for hands-on experience in collecting and analyzing data in the physical, biological or social sciences related to the environment.


Environmental Sciences Minor
A minor in ENSC is also available to students from all departments and programs at OSU. The minor requires a minimum of 27 credits, with some sharing restrictions on courses used in the student’s major.


Graduate Opportunities
ENSC students can continue their studies in graduate school -- typically pursuing graduate work in the specialization area they chose as an undergraduate. For example: students wishing to complete advanced work in ecology may select the option in Applied Ecology & Resource Management. In addition, graduates will be prepared to combine their scientific background with law and could choose to pursue a career in environmental law. An MBA degree would qualify students to assume leadership positions in the environmental divisions of large corporations.

Career Opportunities
A variety of career opportunities are available for students graduating with a BS in ENSC. Federal agencies, such as the Environmental Protection Agency, the Department of Energy, and the U.S. Forest Service hire qualified graduates, as do private companies, consulting firms and universities. Our graduates often go on to pursue credentials for teaching science at high school or middle school levels.


Our Graduates
Learn what typical graduates of ENSC go on to do after they complete their degree. The ENSC alumni survey, conducted in the winter of 2011, includes student ratings of their experiences at OSU and the ENSC Program.


Undergraduate Opportunities
There are many ways for students to gain skills and experience outside of the traditional online classroom. ENSC students are encouraged to pursue experiential opportunities, many of which may fulfill the “Experiential Learning” requirement for the ENSC degree.

The following are examples of opportunities available through OSU that Ecampus students are able to take advantage of.
(Continued from previous page)

**Internships**

With an emphasis on experiential learning and skill development, undergraduates in the College of Earth, Ocean, and Atmospheric Sciences (CEOAS) have access to an Experiential Learning Coordinator offering specialized opportunities and assistance for undergraduates in Environmental Sciences (ENSC). Students may elect to enroll in internship credits to meet the required 3 credits of experiential learning. See the section on Major requirements.

**International Opportunities**

Go abroad in Environmental Sciences! Directly experience different cultures and ecosystems, while gaining valuable skills desired by employers in academia, non-profits, industry and state and federal agencies, including those necessary to work effectively with an increasingly diverse US population and a global job market.

There is an international experience that will work for every ENSC student. In addition, many study abroad programs offer coursework that counts towards requirements in the ENSC degree. Learn more by exploring the advising guide for opportunities abroad in environmental sciences.

http://international.oregonstate.edu/files/IDEA/CI/ci-environmental-sciences.pdf

- **IE3 Global Internships**

IE3 Global Internships is an Oregon University System (OUS) program that allows students to explore their professional goals through an internship in an international context. The program acts as a bridge between a student’s academic experience at OSU and future employment or studies in a graduate/professional school.

http://international.oregonstate.edu/osugo/international-internships/ie3-global-internships

- **Study Abroad Programs**

Through its International Degree & Education Abroad Office, OSU offers over 200 programs in countries across the world that enables students to study at a university, or participate in an international field course.

http://international.oregonstate.edu/osugo/study-abroad-programs

**Degree Partnership Opportunities**

ENSC students can take advantage of the collaborative relationship between OSU and many Oregon community colleges through the Degree Partnership Program (DPP). A single application process allows students to be dually enrolled at OSU and one or more DPP community colleges of choice -- at no additional cost! There are many benefits to the program, including financial aid benefits, lower tuition costs, and automatic transfer of coursework.

Applications are accepted each term. If you are unsure if or when you should apply, check with your advisor.

http://oregonstate.edu/partnerships/students

ENSC students are encouraged to partner with Chemeketa* Community College, since they offer an online physics sequence, which is required for the ENSC degree. In addition, Chemeketa offers many lower division courses online that fulfill the Baccalaureate Core and Basic Science & Math requirements.

http://online.chemeketa.edu/
http://learning.chemeketa.edu/catalog/

*Pronunciation: ch uh - M EH K - ih t - t uh
Environmental Sciences Undergraduate Program

The Curriculum

Students in the Environmental Sciences (ENSC) Undergraduate Program begin by building a strong foundation in the basic sciences and the humanities – through both the Baccalaureate Core and the major requirements. In the junior year, the curriculum focuses on natural environmental systems as well as the interface between humans and the environment. By this time, students have also chosen an area of specialization on which to focus. The ENSC program also requires that students complete an “experiential learning” requirement, usually an internship or research experience that provides an opportunity to actively engage in the field of environmental sciences.

University Requirements
To earn a Bachelor of Science degree (BS) in ENSC, you must complete the following:

- One course in each of the Baccalaureate Core categories (48 credits minimum).
- Writing Intensive Course within the major (3 credits minimum).
- Minimum of 180 total credits.
- Minimum of 60 upper division credits (300 level or above).
- Minimum of 45 of the last 75 credits must be completed as OSU courses, and 15 of the 45 credits must be upper division.
- Minimum 2.00 cumulative OSU GPA.
- Minimum 2.00 GPA in major and minor.
- Minimum of 36 credits must be taken in the major. Of these, 24 must be upper division.

The following is a list of the major categories of Baccalaureate Core requirements:

Skills Courses (15 credits)
The Skills Courses provide a foundation in writing, speech, basic mathematics, and lifelong health & fitness.

- Writing I, Speech and Mathematics must be completed satisfactorily within the first 45 credit hours and Writing II within the first 90 credit hours. For transfer students, Writing II and Speech must be completed in the first 45 OSU credit hours.

Perspective Courses (27 credits)
Perspective Courses emphasize the arts, sciences, cultural diversity, literature, and global awareness.

- No more than 2 courses from any one dept. may be used for this requirement.

Synthesis Courses (6 credits)
Synthesis Courses are upper division classes which are divided into two areas: Contemporary Global Issues and Science, Technology, and Society.

- The two courses used to fulfill the Synthesis requirement may not be from the same department.

Writing Intensive Course (WIC) (3-4 credits)
Every discipline has its own particular standards for writing. WIC courses are designed to give students practice writing within their major.

- Any Area of Specialization – AG 421, ENSC 479, FW 435, GEO 323, HORT 318
- Environmental Policy Option – AREC 461, PS 449
- Fisheries & Wildlife Minor – FW 435, FW 454
- Horticulture Minor – AG 421, HORT 318
- Resource Economics Minor – AREC 461
ENSC Undergraduate Program: 
The Curriculum

(Continued from previous page)

The Environmental Sciences Major
The Environmental Sciences (ENSC) Major provides students with a strong foundation in the basic sciences. From there, students progress to the core courses, which are divided into two categories: Natural Environmental Systems, and Humans & the Environment. Students also choose a specialization area and complete an experiential learning requirement. Specific requirements and course titles may be found in the online OSU General Catalog: http://catalog.oregonstate.edu/MajorDetail.aspx?major=542&college=08

The following is a list of categories for Environmental Sciences major requirements:

**Basic Science and Math (BSM)** *(53-55 credits)*
Every environmental scientist must have a solid grounding in basic sciences and math to enable him/her to understand environmental problems and potential solutions. To that end, students complete a full year of biology and chemistry, as well as courses in calculus, statistics and physics. These courses serve as a foundation for the upper level science courses that students take in their junior and senior years.

*Note:* Students who have not completed College Algebra or above in the last 12 months are required to take a math placement exam to help determine an appropriate level of placement.

*Note:* All BSM courses may be taken locally with prior approval, and is highly encouraged to ensure a greater chance of success in this critical block. For guidelines on how to select local coursework see: http://ecampus.oregonstate.edu/online-degrees/undergraduate/es/BasicMTH-SCIguidelines.pdf

*Note:* Financial aid may not be disbursed for courses taken elsewhere.

**Environmental Sciences Core** *(27-34 credits)*
The ENSC Core curriculum is intended to give students breadth in the field as a whole, and is divided into two categories: Natural Environmental Systems and Humans & the Environment.

*Note:* Some courses in these categories also satisfy Baccalaureate Core requirements.

- In **Natural Environmental Systems**, students learn about each of the spheres of the environment: the atmosphere, the biosphere, the hydrosphere, and the lithosphere, by choosing among selected courses for each category.
- In **Humans & the Environment**, students learn about the influences of humans on the environment by taking coursework in economics, ethics and environmental ethics, environmental law and policy, and environmental management.

**Specialization Area** *(≥ 27 credits)*
Whereas the ENSC Core curriculum emphasizes breadth in the field as a whole, the Specialization requires students to acquire depth in one area of the field. The specialization area is intended to give students a strong sense of academic identity and to ensure that each student has specialized knowledge of some aspect of environmental sciences. Students typically select a specialization by the beginning of their junior year. Distance ENSC students may choose from one of the following nine specialization areas:

2. Business and Entrepreneurship Minor
3. Environmental Conservation and Sustainability Option
4. Environmental Policy Option
5. Fisheries & Wildlife Minor
6. Geography Minor
7. Horticulture Minor
8. Resource Economics Minor
9. Water Science and Resources Option

(Continued on next page)
The Environmental Sciences Major

Experiential Learning (≥ 3 credits)
The Environmental Sciences (ENSC) program requires that each student complete a minimum of 3 credit hours of “experiential learning” related to environmental sciences. The requirement can be met with an approved internship or coursework:

- **Internship**
  An internship provides a way for a student to earn academic credit for relevant work done for a business, government agency, research lab, or other organization. It consists of full or part-time work which furthers and enriches a student’s education. Students may earn up to 12 internship credits (1 credit = 30 hours of work). Students must discuss the internship with their advisor, obtain approval and submit a completed Internship Agreement Form BEFORE enrolling in the requested number of ENSC 410 credits. The student’s advisor can provide suggestions and/or assistance in locating internships. Students are required to submit a written report and confirmation from their internship sponsor at the end of the experience.
  
  [http://envsci.science.oregonstate.edu/undergrad/e_campus/current/experiential_learning](http://envsci.science.oregonstate.edu/undergrad/e_campus/current/experiential_learning)

- **Coursework**
  Certain courses provide “hands-on” experience consistent with the purpose of the Experiential Learning requirement. A complete list of these courses can be found on the ENSC checklist.

Learning Goals for Graduates

1. Competency and Knowledge in Multiple Fields
2. Critical Thinking
3. Pluralism and Cultural Legacies
4. Collaboration
5. Social Responsibility and Sustainability
6. Communication
7. Self-Awareness and Life-Long Learning

[http://oregonstate.edu/leadership/provost/initiatives/learning-goals-for-graduates](http://oregonstate.edu/leadership/provost/initiatives/learning-goals-for-graduates)
### A. OSU BACCALAUREATE CORE (51 credits) — further your understanding of the modern world

1. For complete policies and eligible courses refer to the OSU General Catalog: [http://catalog.oregonstate.edu/bcc.aspx](http://catalog.oregonstate.edu/bcc.aspx); 2. For courses offered thru Ecampus, go to: [http://ecampus.oregonstate.edu/soc/ecatalog/bcc.htm](http://ecampus.oregonstate.edu/soc/ecatalog/bcc.htm); 3. Post-bacc students only need Writing Intensive Course in this section. 4. Some courses taken for Section A may fulfill requirements in Section B, C and D — Refer to headnote 2 and 3 in Section 3 for an explanation.

#### Skills (15 credits) — Transfer students with sophomore standing or above must complete WR II and Speech within the first 45 hours of OSU coursework.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WR 121 with a C- or better</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>WR 122</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>(X) Mathematics</td>
<td>3-4</td>
<td>Fulfilled in Section B</td>
</tr>
</tbody>
</table>

#### Perspectives (27 credits) — No more than 2 courses from any one dept. may be used to satisfy the Perspectives requirement.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Science w/lab</td>
<td>4</td>
<td>Fulfilled in Section B</td>
</tr>
<tr>
<td>Bio. Science w/lab</td>
<td>4</td>
<td>Fulfilled in Section B</td>
</tr>
<tr>
<td>Phys. or Bio. Science</td>
<td>4</td>
<td>Fulfilled in Section B/C</td>
</tr>
<tr>
<td>Cultural Diversity</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Literature and Arts</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Social Proc. &amp; Inst.</td>
<td>3</td>
<td>Fulfilled in Section C — Economics</td>
</tr>
<tr>
<td>Western Culture</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

#### Difference, Power and Discrimination (3 credits)

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<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG 301, FW 340, GEO 309</td>
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#### Synthesis (6 credits) — Courses may not be from same dept.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contemporary Global Issues</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Scientific, Tech &amp; Society</td>
<td>3</td>
<td></td>
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</tbody>
</table>

#### B. BASIC SCIENCE and MATH (53-55 credits) — develop a foundation for courses taken in the major

1. NO S/U grades; 2. A grade of C- or better is recommended before continuing with the next course in a sequence; 3. All sequences may be taken in-person with prior approval — [http://ecampus.oregonstate.edu/online-degrees/undergraduate/es/BasicMTH-SCIguidelines.pdf](http://ecampus.oregonstate.edu/online-degrees/undergraduate/es/BasicMTH-SCIguidelines.pdf); 4. Financial aid may not be disbursed for courses taken locally; 5. Sequences are listed in the order we recommend they be completed, as follows:

#### 1. Math Two terms of calculus

<table>
<thead>
<tr>
<th>Exam score</th>
<th>MTH 251 (4) or equivalent</th>
<th>MTH 252 (4) or equivalent</th>
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</thead>
</table>

#### 2. Chemistry Full year of general chemistry

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<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 121 (5) or equivalent</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CH 122 (5) or equivalent</td>
<td></td>
<td></td>
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<tr>
<td>CH 123 (5) or equivalent</td>
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</table>

#### 3. Biology Full year w/lab for majors

- Now online thru OSU. If full sequence not taken at OSU, approval by the biology department will be required.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI 204 (4) or equivalent</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BI 205 (4) or equivalent</td>
<td></td>
<td></td>
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<tr>
<td>BI 206 (4) or equivalent</td>
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</tbody>
</table>

#### 4. Physics Two terms/one semester of algebra-based physics

- May be taken online at Chemeketa CC.
- Take a *full year if planning graduate school in science field

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 201 (5) or equivalent</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PH 202 (5) or equivalent</td>
<td></td>
<td></td>
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<tr>
<td>PH 203 (5) or equivalent*</td>
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</tbody>
</table>

#### 5. Statistics Two terms of statistics

- May take MTH 243/244 at Chemeketa CC; however, transfers as lower-division, not upper-division, credit.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST 351 (4) or equivalent</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ST 352 (4) or equivalent</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Notes:

- May take MTH 243/244 at Chemeketa CC; however, transfers as lower-division, not upper-division, credit.
C. ENVIRONMENTAL SCIENCES and HUMANITIES CORE (27-34 credits) – gain breadth in environmental sciences

1. Natural Environmental Systems (12-15 Credits) – Choose one course for each requirement

   - Atmosphere
     - 3-4 ATS 210 or GEO 323\(^{W/IC}\)
   - Biosphere
     - 3 BI 370
   - Hydrosphere
     - 3-5 GEO 335\(^{S}\), GEO 487, FW 456 or OC 201
   - Lithosphere
     - 3-4 GEO 221 or GEO 352\(^{S}\), SOIL 205, SOIL 395\(^{S}\)

2. Humans and the Environment (15-19 Credits) – Choose one course for each requirement

   - Economics
     - 3-4 AREC 250\(^{E}\), ECON 201\(^{S}\) or ECON 202\(^{S}\)
   - Ethics and Environmental Ethics
     - 3-4 ANTH 352\(^{S}\), ANTH 481\(^{S}\), CH 374\(^{S}\), FS 435\(^{S}\), FW 340\(^{DPD}\), FW 462, FW/SOC 485\(^{S}\), GEO 309\(^{DPD}\), PHL 205\(^{W/IC}\), PHL 440, PHL 443\(^{S}\), SOC 456\(^{S}\), SOC 480\(^{S}\), SOC 481\(^{S}\)
   - Human Environment
     - 3 ATS 320\(^{S}\), BI/Z 349\(^{G}\), CH 390, ENSC 479\(^{W/IC}\), FW 325\(^{S}\), FW/HSTS 470\(^{S}\), GEO 300\(^{S}\), GEO 306\(^{S}\), GEO 308\(^{S}\), HST 481\(^{S}\), SOIL 395\(^{S}\)
   - Environmental Law and Policy
     - 3-4 AREC 253\(^{W/IC}\), AREC 351\(^{S}\), AREC 352\(^{S}\), AREC 432, AREC 461\(^{G,W/IC}\), FS 435\(^{S}\), FS 492, FW 325\(^{S}\), FW 346, FW 350\(^{S}\), FW 415, FW 462, GEO 335\(^{S}\), GEO 424, GEO 425, HST 481\(^{S}\), PS 475, PS 476\(^{S}\), PS 477, SOC 360\(^{DPD}\), WGS 440\(^{S}\), WGS 450\(^{S}\)
   - Environmental Management
     - 3-4 BI/Z 349\(^{G}\), FES/HORT 350, FES 352, FES 355, FES 365\(^{G}\), FES 445, FES/FW 446, FES/HORT 455, FS 435\(^{S}\), FW 251, FW 323, FW 326, FW 346, FW 353\(^{W/IC}\), FW 454\(^{W/IC}\), FW 458, FW 479, FW/SOC 485\(^{S}\), GEO 306\(^{S}\), GEO 423, GEO 424, GEO 425, HST 481\(^{S}\), NR 201, NR 455, RNG 341, RNG 355, RNG 455, RNG 490, SOC 480\(^{S}\), SOC 481\(^{S}\), WGS 440\(^{S}\)

D. SPECIALIZATION AREA (≥27 credits) – develop depth in one area of environmental sciences

1. NO SIU grades; 2. Courses taken in the specialization cannot double count with Section C above; 3. If you are interested in completing more than one specialization, contact your advisor to learn more about double counting policies between these; 4. For a list of specializations, refer to page 9 of this guide, or go to: http://envsic과학.oregonstate.edu/node/30; 5. To declare your specialization, contact your advisor.

   Specialization (≥27 credits)

E. EXPERIENTIAL LEARNING (≥3 credits) – gain hands on experience in environmental sciences

1. NO SIU grades; 2. Choose a minimum of one course; may complete others for additional experience; 3. For ENSC 410 internship: 1 credit = 30 hours of work. You must obtain approval from your advisor in order to register for credits; http://ceoas.oregonstate.edu/internships/undergraduate/

   - ENSC 410
     - 1-12 ENSC Internship – 3 credits meets requirement/12 max. may be earned (see notes above)
   - BOT 440
     - 4 Field methods – learn skills in describing & experimenting on vegetation in your local area
   - FW 255
     - 3 Field methods – learn skills in field sampling of fish and wildlife
   - GEO 365
     - 4 Lab based – learn practical skills in Geographic Information Systems (GIS)
   - GEO 465
     - 4 Lecture/ lab-based – learn theory, concepts, and applications of GIS
   - Other
     - 3-4 Must be approved by advisor

University Graduation Requirements:

1. Ideally, these are met concurrent with Major requirements; Learn more at: http://catalog.oregonstate.edu/ChapterDetail.aspx?key=6#Section53.
2. To avoid problems with the academic residency requirement, transfer courses should be completed early in your program.

   180 minimum total credits
   60 minimum upper division credits (300 level or above)
   45 minimum out of the last 75 credits must be taken through OSU, and 15 of the 45 must be upper division. (AR 25f, Academic Residency)
   36 minimum credits must be taken in the major of which 24 must be upper division

   2.00 minimum cumulative OSU GPA
   2.00 minimum GPA in major and minor
   Foreign Language (admissions requirement): 2 yrs. of high school or two terms of college level courses in the same language; students who graduated from high school before 1997 are exempt from this requirement

NOTE: If there is an online course you would like to use that is not on this checklist, in the CAP workbook, or in MyDegrees – contact your advisor for approval. If approved, an ‘also allow’ exception will need to be entered in MyDegrees so the course will automatically apply when you enroll.

Rev. 04/28/15
<table>
<thead>
<tr>
<th>COURSE</th>
<th>CR</th>
<th>COURSE NAME</th>
<th>PREREQUISITE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 481</td>
<td>3</td>
<td>NATURAL RESOURCES AND COMMUNITY VALUES</td>
<td>Other prereqs: 3 credits of social science. (SOC 204, e.g.)</td>
</tr>
<tr>
<td>AREC 250</td>
<td>3</td>
<td>INTRODUCTION TO ENVIRONMENTAL ECONOMICS AND POLICY</td>
<td></td>
</tr>
<tr>
<td>AREC 253</td>
<td>4</td>
<td>ENVIRONMENTAL LAW, POLICY, AND ECONOMICS</td>
<td></td>
</tr>
<tr>
<td>AREC 351</td>
<td>3</td>
<td>NATURAL RESOURCE ECONOMICS AND POLICY</td>
<td>Enforced Prereqs: AREC 250 or ECON 201H; Other Prereqs: MTH 111</td>
</tr>
<tr>
<td>AREC 352</td>
<td>3</td>
<td>ENVIRONMENTAL ECONOMICS AND POLICY</td>
<td>Other Prereqs: ECON 201</td>
</tr>
<tr>
<td>AREC 432</td>
<td>4</td>
<td>ENVIRONMENTAL LAW</td>
<td>Other Prereqs: Junior standing</td>
</tr>
<tr>
<td>AREC 461</td>
<td>4</td>
<td>AGRICULTURAL AND FOOD POLICY ISSUES</td>
<td>Enforced Prereqs: AREC 250 or ECON 201; Other Prereqs: AREC 300 or AREC 311 or ECON 311</td>
</tr>
<tr>
<td>ATS 210</td>
<td>3</td>
<td>INTRODUCTION TO THE ATMOSPHERIC SCIENCES</td>
<td>Other Prereqs: College algebra (MTH 111) and elementary functions (MTH 112)</td>
</tr>
<tr>
<td>ATS 320</td>
<td>3</td>
<td>THE CHANGING CLIMATE</td>
<td></td>
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<tr>
<td>BI 349</td>
<td>3</td>
<td>BIODIVERSITY: CAUSES, CONSEQUENCES AND CONSERVATION</td>
<td></td>
</tr>
<tr>
<td>BI 370</td>
<td>3</td>
<td>ECOLOGY</td>
<td>Enforced Prereqs: BI 211 and BI 212 and BI 213; or, an approved equivalent.</td>
</tr>
<tr>
<td>CH 374</td>
<td>3</td>
<td>TECHNOLOGY, ENERGY, AND RISK</td>
<td>Other Prereqs: Completion of baccalaureate core in physical science.</td>
</tr>
<tr>
<td>CH 390</td>
<td>3</td>
<td>ENVIRONMENTAL CHEMISTRY</td>
<td>Enforced Prereqs: CH 331</td>
</tr>
<tr>
<td>ECON 201</td>
<td>4</td>
<td>INTRODUCTION TO MICROECONOMICS</td>
<td>Other Prereqs: MTH 111 or equivalent is recommended.</td>
</tr>
<tr>
<td>ECON 352</td>
<td>3</td>
<td>ENVIRONMENTAL ECONOMICS AND POLICY</td>
<td>Other Prereqs: ECON 201</td>
</tr>
<tr>
<td>ENSC 479</td>
<td>3</td>
<td>ENVIRONMENTAL CASE STUDIES</td>
<td>Other Prereqs: One year of college biology or chemistry, and junior standing required.</td>
</tr>
<tr>
<td>FES 350</td>
<td>3</td>
<td>URBAN FORESTRY</td>
<td>Other Prereqs: Foundational forestry and horticulture courses are recommended</td>
</tr>
<tr>
<td>FES 352</td>
<td>3</td>
<td>WILDERNESS MANAGEMENT</td>
<td></td>
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<tr>
<td>FES 355</td>
<td>3</td>
<td>MANAGEMENT FOR MULTIPLE RESOURCE VALUES</td>
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<tr>
<td>FES 365</td>
<td>3</td>
<td>ISSUES IN NATURAL RESOURCES CONSERVATION</td>
<td></td>
</tr>
<tr>
<td>FES 445</td>
<td>4</td>
<td>ECOLOGICAL RESTORATION</td>
<td>Other Prereqs: BI 370 or instructor approval required.</td>
</tr>
<tr>
<td>FES 455</td>
<td>4</td>
<td>URBAN FOREST PLANNING, POLICY, AND MANAGEMENT</td>
<td>Enforced Prereqs: FOR /HORT 350</td>
</tr>
<tr>
<td>FOR 446</td>
<td>3</td>
<td>WILDLAND FIRE ECOLOGY</td>
<td>Other Prereqs: Course work in ecology and natural resource management.</td>
</tr>
<tr>
<td>FS 435</td>
<td>3</td>
<td>GENES AND CHEMICALS IN AGRICULTURE: VALUE AND RISK</td>
<td></td>
</tr>
<tr>
<td>FS 492</td>
<td>3</td>
<td>ECOSYSTEM SERVICES ECOLOGY, SOCIOLOGY, POLICY</td>
<td>Other Prereqs: Senior standing.</td>
</tr>
<tr>
<td>FW 251</td>
<td>3</td>
<td>PRINCIPLES OF FISH AND WILDLIFE CONSERVATION</td>
<td></td>
</tr>
</tbody>
</table>
### COURSE DESCRIPTIONS for ENSC Core - Section C of ENSC curriculum checklist

<table>
<thead>
<tr>
<th>COURSE</th>
<th>CR</th>
<th>COURSE NAME</th>
<th>PREREQUISITE</th>
</tr>
</thead>
<tbody>
<tr>
<td>FW 323</td>
<td>3</td>
<td>MANAGEMENT PRINCIPLES OF PACIFIC SALMON IN THE NW</td>
<td></td>
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<tr>
<td>FW 325</td>
<td>3</td>
<td>GLOBAL CRISES IN RESOURCE ECOLOGY</td>
<td></td>
</tr>
<tr>
<td>FW 326</td>
<td>3</td>
<td>INTEGRATED WATERSHED MANAGEMENT</td>
<td>Other Prereqs: FW 251</td>
</tr>
<tr>
<td>FW 340</td>
<td>3</td>
<td>MULTICULTURAL PERSPECTIVES IN NATURAL RESOURCES</td>
<td></td>
</tr>
<tr>
<td>FW 346</td>
<td>3</td>
<td>TOPICS IN WILDLAND FIRE</td>
<td>Other Prereqs: Course work in forest biology or ecology (e.g. FOR 240, FOR 341) or equivalent.</td>
</tr>
<tr>
<td>FW 350</td>
<td>3</td>
<td>ENDANGERED SPECIES, SOCIETY AND SUSTAINABILITY</td>
<td>Other Prereqs: FW 251</td>
</tr>
<tr>
<td>FW 435</td>
<td>3</td>
<td>WILDLIFE IN AGRICULTURAL ECOSYSTEMS</td>
<td>Other Prereqs: BI 370 and FW 251</td>
</tr>
<tr>
<td>FW 446</td>
<td>3</td>
<td>WILDLAND FIRE ECOLOGY</td>
<td>Other Prereqs: Course work in ecology and natural resource management.</td>
</tr>
<tr>
<td>FW 454</td>
<td>4</td>
<td>FISHERY BIOLOGY</td>
<td>Enforced Prereqs: FW 320 and FW 315</td>
</tr>
<tr>
<td>FW 458</td>
<td>4</td>
<td>MAMMAL CONSERVATION AND MANAGEMENT</td>
<td>Other Prereqs: 9 credits of upper-division biological sciences.</td>
</tr>
<tr>
<td>FW 462</td>
<td>3</td>
<td>ECOSYSTEM SERVICES</td>
<td>Other Prereqs: BI 370</td>
</tr>
<tr>
<td>FW 470</td>
<td>3</td>
<td>ECOLOGY AND HISTORY: LANDSCAPES OF THE COLUMBIA BASIN</td>
<td>Other Prereqs: (HST 201 and HST 202 and HST 203) or BI 370</td>
</tr>
<tr>
<td>FW 479</td>
<td>3</td>
<td>WETLANDS AND RIPARIAN ECOLOGY</td>
<td>Other Prereqs: BI 370 or BI 371</td>
</tr>
<tr>
<td>FW 485</td>
<td>3</td>
<td>CONSSENSUS AND NATURAL RESOURCES</td>
<td></td>
</tr>
<tr>
<td>GEO 221</td>
<td>4</td>
<td>ENVIRONMENTAL GEOLOGY</td>
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</tr>
<tr>
<td>GEO 300</td>
<td>3</td>
<td>SUSTAINABILITY FOR THE COMMON GOOD</td>
<td>Other Prereqs: Upper-division standing.</td>
</tr>
<tr>
<td>GEO 306</td>
<td>3</td>
<td>MINERALS, ENERGY, WATER, AND THE ENVIRONMENT</td>
<td></td>
</tr>
<tr>
<td>GEO 308</td>
<td>3</td>
<td>GLOBAL CHANGE AND EARTH SCIENCES</td>
<td></td>
</tr>
<tr>
<td>GEO 323</td>
<td>4</td>
<td>CLIMATOLOGY</td>
<td>GEO 101 and GEO 202</td>
</tr>
<tr>
<td>GEO 335</td>
<td>3</td>
<td>INTRODUCTION TO WATER SCIENCE AND POLICY</td>
<td></td>
</tr>
<tr>
<td>GEO 352</td>
<td>4</td>
<td>OREGON: GEOLOGY, PLACE, AND LIFE ON THE RING OF FIRE</td>
<td>Other Prereqs: Introductory science course recommended</td>
</tr>
<tr>
<td>GEO 424</td>
<td>3</td>
<td>INTERNATIONAL WATER RESOURCES MANAGEMENT</td>
<td>Other Prereqs: 9 credits of upper-division geography and any course dealing with the hydrologic cycle.</td>
</tr>
<tr>
<td>GEO 425</td>
<td>3</td>
<td>WATER RESOURCES MANAGEMENT IN THE UNITED STATES</td>
<td>Other Prereqs: 9 credits of upper-division geography and any course dealing with the hydrologic cycle.</td>
</tr>
<tr>
<td>GEO 487</td>
<td>4</td>
<td>HYDROGEOLOGY</td>
<td>Enforced Prereqs: MTH 252. Other Prereqs: GEO 202</td>
</tr>
<tr>
<td>COURSE</td>
<td>CR</td>
<td>COURSE NAME</td>
<td>PREREQUISITE</td>
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<td>------------------------------------------------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>HORT 350</td>
<td>3</td>
<td>URBAN FORESTRY</td>
<td>Other Prereqs: Foundational forestry and horticulture courses are recommended.</td>
</tr>
<tr>
<td>HORT 455</td>
<td>4</td>
<td>URBAN FOREST PLANNING, POLICY AND MANAGEMENT</td>
<td>Enforced Prereqs: FOR 350 or HORT 350</td>
</tr>
<tr>
<td>HST 481</td>
<td>4</td>
<td>ENVIRONMENTAL HISTORY OF THE UNITED STATES</td>
<td>Other Prereqs: Upper-division standing. HST 201, HST 202, HST 203 are recommended.</td>
</tr>
<tr>
<td>HSTS 470</td>
<td>3</td>
<td>ECOLOGY AND HISTORY: LANDSCALES OF THE COLUMBIA BASIN</td>
<td>Other Prereqs: (HST 201 and HST 202 and HST 203) or BI 370</td>
</tr>
<tr>
<td>NR 455</td>
<td>4</td>
<td>NATURAL RESOURCE DECISION MAKING</td>
<td>Other Prereqs: Senior standing.</td>
</tr>
<tr>
<td>OC 201</td>
<td>4</td>
<td>OCEANOGRAPHY</td>
<td></td>
</tr>
<tr>
<td>PHL 205</td>
<td>4</td>
<td>ETHICS</td>
<td></td>
</tr>
<tr>
<td>PHL 440</td>
<td>3</td>
<td>ENVIRONMENTAL ETHICS</td>
<td>Other Prereqs: 6 credits of philosophy and sophomore standing.</td>
</tr>
<tr>
<td>PHL 443</td>
<td>3</td>
<td>WORLD VIEWS AND ENVIRONMENTAL VALUES</td>
<td>Other Prereqs: One introductory-level science course and sophomore standing.</td>
</tr>
<tr>
<td>PS 475</td>
<td>4</td>
<td>ENVIRONMENTAL POLITICS AND POLICY</td>
<td>Other Prereqs: PS 201 or instructor approval required.</td>
</tr>
<tr>
<td>PS 476</td>
<td>4</td>
<td>SCIENCE AND POLITICS</td>
<td>Other Prereqs: PS 201 or 6 credits of lower-division courses in political science or instructor approval required.</td>
</tr>
<tr>
<td>PS 477</td>
<td>4</td>
<td>INTERNATIONAL ENVIRONMENTAL POLITICS AND POLICY</td>
<td>Other Prereqs: PS 201 or 6 credits of lower-division courses in political science or instructor approval required.</td>
</tr>
<tr>
<td>RNG 341</td>
<td>3</td>
<td>RANGELAND ECOLOGY AND MANAGEMENT</td>
<td></td>
</tr>
<tr>
<td>RNG 355</td>
<td>3</td>
<td>DESERT WATERSHED MANAGEMENT</td>
<td></td>
</tr>
<tr>
<td>RNG 455</td>
<td>3</td>
<td>RIPARIAN ECOLOGY AND MANAGEMENT</td>
<td>Enforced Prereqs: RNG 355.</td>
</tr>
<tr>
<td>RNG 490</td>
<td>4</td>
<td>RANGELAND MANAGEMENT PLANNING</td>
<td></td>
</tr>
<tr>
<td>SOC 360</td>
<td>4</td>
<td>POPULATION TRENDS AND POLICY</td>
<td>Enforced Prereqs: SOC 204</td>
</tr>
<tr>
<td>SOC 456</td>
<td>4</td>
<td>SCIENCE AND TECHNOLOGY IN SOCIAL CONTEXT</td>
<td>Enforced Prereqs: SOC 204</td>
</tr>
<tr>
<td>SOC 480</td>
<td>4</td>
<td>ENVIRONMENTAL SOCIOLOGY</td>
<td>Enforced Prereqs: SOC 204</td>
</tr>
<tr>
<td>SOC 481</td>
<td>4</td>
<td>SOCIETY AND NATURAL RESOURCES</td>
<td>Enforced Prereqs: SOC 204</td>
</tr>
<tr>
<td>SOC 485</td>
<td>3</td>
<td>CONSENSUS AND NATURAL RESOURCES</td>
<td></td>
</tr>
<tr>
<td>SOIL 205</td>
<td>4</td>
<td>SUSTAINABLE ECOSYSTEMS</td>
<td></td>
</tr>
<tr>
<td>SOIL 395</td>
<td>3</td>
<td>WORLD SOIL RESOURCES</td>
<td>Enforced Prereqs: CH 121 or equivalent</td>
</tr>
<tr>
<td>WS 440</td>
<td>3</td>
<td>WOMEN AND NATURAL RESOURCES</td>
<td></td>
</tr>
<tr>
<td>Z 349</td>
<td>3</td>
<td>BIODIVERSITY: CAUSES, CONSEQUENCES, AND CONSERVATION</td>
<td></td>
</tr>
</tbody>
</table>
Environmental Sciences Undergraduate Program

The Specializations Areas

The Specialization area is intended to give students a strong sense of academic identity and to ensure that each student has specialized knowledge of some aspect of environmental sciences. Students will typically declare a specialization once the majority of their Baccalaureate Core and Basic Science and Math sequences are completed, though it may be declared at any time. Your advisor can assist in completing the paperwork.

ENSC Ecampus students may choose from one of nine areas:

2. Business and Entrepreneurship Minor
3. Environmental Conservation and Sustainability Option
4. Environmental Policy Option
5. Fisheries and Wildlife Minor
6. Geography Minor
7. Horticulture minor
8. Resource Economics Minor
9. Water Science and Resources Option

NOTE: We are the process of revising and adding to our specialization areas. We anticipate these will be available in either fall 2015 or winter 2016.

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1. Applied Ecology and Resource Management (AERM) Option
   http://catalog.oregonstate.edu/OptionDetail.aspx?code=169&majorid=925

   **Goal of Specialization**
   To prepare students for careers in resource management, with an emphasis on ecological principles.

   **Knowledge and Skills Gained**
   - Understand the methods used in ecological data collection.
   - Understand the ecological and political basis behind resource management decisions.
   - Field experience in monitoring and experimenting on vegetation.
   - Concepts underlying GIS, GPS, and remote sensing.
   - Methods of ecosystem rehabilitation.

   **Employment Opportunities**
   - Federal, State, and Local government
   - Environmental consulting companies

2. Business and Entrepreneurship (BE) Minor
   http://catalog.oregonstate.edu/MinorDetail.aspx?minor=574&college=02

   **Goal of Specialization**
   To give students a fundamental stepping stone on the road to identifying and commercializing business opportunities in any type of organization.
Knowledge and Skills Gained
- Financial management and marketing.
- Recognize business opportunities, secure funding.
- How to manage the commercialization of the business opportunity.
- Address the challenges of launching a new venture or idea within an existing organization.

Employment Opportunities
- Environmental organizations in management, consulting, publicity, public relations, and marketing
- Green business

3. Environmental Conservation and Sustainability (ECS) Option
http://catalog.oregonstate.edu/OptionDetail.aspx?code=577&majorid=925

Goal of Specialization
To expose students to the different aspects of sustainability, so they may be able to engage in the on-going discussions of sustainability in both political and scientific communities.

Knowledge and Skills Gained
- Understand environmental change.
- Understand the three components of sustainability - environment, economics, and society.
- Understand human interactions with the environment.
- Understand and be able to integrate biological, social, and political aspects of environmental resources.

Employment Opportunities
- Consulting companies
- Education
- Federal and State Agencies
- Green, sustainable business
- NGOs and non-profits

4. Environmental Policy Option (EPO)
http://catalog.oregonstate.edu/OptionDetail.aspx?code=527&majorid=925

Goal of Specialization
To prepare students for careers in the broad arena of environmental policy, with an emphasis on the social and political aspects of conservation and resource use.

Knowledge and Skills Gained
- Understand human interactions with the environment.
- Understand and to integrate biological, social, and political aspects of natural resources with the conservation of these resources.
- Ability to apply knowledge of resource policy, law, and planning to the scientific and social components of natural resource conservation approaches.

Employment Opportunities
- Community-based conservation initiatives such as watershed councils, local land-use planning groups
- Environmental and natural history educational groups
- Environmental Lawyer
- NGOs and non-profits
5. **Fisheries and Wildlife (FW) Minor**

   [http://catalog.oregonstate.edu/MinorDetail.aspx?minor=734&college=01](http://catalog.oregonstate.edu/MinorDetail.aspx?minor=734&college=01)

   **Goal of Specialization**
   To provide students with expertise in systematics, wildlife ecology, fish and wildlife biology, and ecosystem management.

   **Knowledge and Skills Gained**
   - Biology and systematics of animals
   - Taxonomy
   - Principles of ecosystems management
   - Identification of organisms
   - Field methods such as sampling techniques
   - Statistical analysis
   - Developing management plans

   **Employment Opportunities**
   - Extension agent
   - Federal, State, and Local government
   - Private companies
   - Wildlife or fisheries biologist

6. **Geography (GEOG) Minor**


   **Goal of Specialization**
   To prepare students for careers in geography, with an emphasis on theory, and practical social and scientific applications in environmental sciences or physical geography.

   **Knowledge and Skills Gained**
   - Understand how the Earth works.
   - Understand nature-society interactions.
   - Learn about spatial distributions and patterns of human activities or human geography, and how to bring these to bear on key societal questions
   - Learn methods and models for measuring and interpreting patterns on the Earth
   - Understand the value of accessing and properly using geographic information

   **Employment Opportunities**
   - Cartographer
   - Climatologist
   - GIS Specialist
   - Environmental Management
   - Transportation management
   - Urban Planner/Community Development

7. **Horticulture (HORT) Minor**

   [http://catalog.oregonstate.edu/MinorDetail.aspx?minor=145&college=01](http://catalog.oregonstate.edu/MinorDetail.aspx?minor=145&college=01)

   **Goal of Specialization**
   To prepare students for careers in horticulture with an emphasis on improving environmental, economic, and social sustainability of integrated farm and food systems, and landscape ecosystems.
Knowledge and Skills Gained

- Learn horticultural principles and practices associated with horticultural production within the context of plant biology, pest management, soils, ecology, and economics.
- Ability to apply knowledge to applications in plant nutrition, pest management, business, and marketing.
- Understand latest technology and trends in the field.

Employment Opportunities

- Agricultural Technician
- Conservation Scientist
- Landscape Architect
- Park Naturalist
- Soil and Plant Scientist
- Natural Sciences Manager
- Technical Writer

8. Resource Economics (RE) Minor

http://catalog.oregonstate.edu/MinorDetail.aspx?minor=103&college=01

Goal of Specialization

To prepare students to contribute to management efforts associated with sustainable and efficient use of environmental and natural resources, and to inform the public debate regarding responsible solutions for resource problems affecting the American public and the global community.

Knowledge and Skills Gained

- Learn how to apply economic theory and tools to natural resource and environmental management issues, including:
  - efficiency concepts, benefit-cost analysis and other criteria for evaluating resource use, management and policy;
  - externalities and imperfect market structures which affect resource management; and,
  - market and policy instruments to control externalities (including tradable permits, taxes, standards, subsidies, liability rules, and voluntary approaches).
- Ability to connect natural resource issues to local and global issues of conservation, rural communities, and food production.
- Ability to communicate through a variety of oral and written methods.

Employment Opportunities

- State and federal government agencies that have environmental regulatory compliance responsibly or resource management and policy responsibilities.
- Research and nonprofit foundations engaged with promoting sustainable and effective management practices.
- Private-based sectors that are impacted by regulatory compliance and government-based policy.
- Preparation for law careers, educational leadership, and interdisciplinary graduate programs.

9. Water Science and Resources (WSR) option

http://catalog.oregonstate.edu/OptionDetail.aspx?code=353&majorid=925
Learning Goals for Graduates of Oregon State University

1. Competency and Knowledge in Multiple Fields
As an OSU graduate, you will show a depth of knowledge in one or more majors as it relates to its history, problems, strategic thinking processes and ways of knowing, and vocabulary. You will also show a breadth of knowledge across the disciplines, which include the humanities and arts, science, social science and mathematics, from both technical and critical orientations.

2. Critical Thinking
As an OSU graduate, you will evaluate and synthesize information from multiple sources and perspectives to make informed decisions and solve problems; you will exhibit intellectual curiosity, including the disposition and ability to engage in evidence-based reasoning and critical thinking.

3. Pluralism and Cultural Legacies
As an OSU graduate, you will acquire knowledge and appreciation of the diversity of human cultural, historical and social experiences, and be able to reflect on how your individual life experience relates to the complex nature of human conditions in other places and times.

4. Collaboration
As an OSU graduate, you will develop the ability to be a positive contributor to situations requiring shared responsibility toward achieving a common goal.

5. Social Responsibility and Sustainability
As an OSU graduate, you will develop the capacity to construct an engaged, contributing life, and to engage in actions that reflect an understanding of the values of service, citizenship, and social responsibility, and demonstrate global competence by understanding the interdependent nature of local and global communities.

6. Communication
As an OSU graduate, you will be able to present and evaluate information, as well as to devise and exchange ideas clearly and effectively so that you can communicate with diverse audiences in a variety of situations.

7. Self-Awareness and Life-Long Learning
As an OSU graduate, you will develop awareness of and appreciation for your personal strengths, values, and challenges, and you will cultivate the ability to use that knowledge to guide your future learning and development.

Approved by Faculty Senate: 6/10/2010
http://oregonstate.edu/leadership/provost/initiatives/learning-goals-for-graduates
Advising is a Shared Responsibility

Student Responsibility

- **Understand** and **accept** that you are ultimately responsible for your education and your own decisions.

- **Be prepared** when you come to advising sessions; **be active** in your advising session, and ask questions when you have them.

- **Understand** and **communicate** personal values, abilities and goals.

- **Provide** accurate and truthful information when being advised.

- **Initiate** a purposeful relationship with your advisor and make appointments when necessary or when in need of assistance.

- **Keep** your local address and phone number **up to date** in Student Online Services, and utilize and regularly check your ONID account.

- **Call** to cancel appointments that cannot be kept.

- **Learn and understand** OSU's policies, procedures and requirements as they relate to your academic success and/or degree completion.

- **Follow through** on plans of action identified during advising session.

Advisor Responsibility

- **Develop** a purposeful relationship with and be an advocate for their advisees.

- **Inform** students of the nature of the advisor/advisee relationship.

- **Provide** timely and accurate educational information.

- **Promote** learning opportunities that will help students define or meet personal goals and plans.

- **Assist** students in preparing a program that is consistent with their abilities and interests.

- **Monitor** progress toward educational/career goals.

- **Interpret** and **provide** rationale for institutional policies, procedures and requirements.

- **Inform** inquiring students of campus resources and special services available to them.

- **Refer** students to those resources that can enhance or supplement their academic experience.

Adopted by the OSU Council of Head Advisors - Spring 2006
Email Etiquette

For many of us at Oregon State University, students and staff alike, email is a tool that we use to perform our jobs more efficiently. It is a tool that has made communication easier when used properly. However, when misused, email can cause more problems than it solves. Here are few tips that can help to make email a more useful tool for us all:

- **Use a professional email address**
  OSU student, faculty, and staff email addresses are considered professional. A personal email address may be filtered to Junk Mail (ex. Fuzzy_Bunny@yahoo.com).

- **Be sure to include a signature.**
  Include your full name, phone number, and email address and Student ID in your signature. This will enable us to access your student records quickly and reduce confusion.

- **Write the subject of the email in the subject line.**
  Writing "Hey", "Hi", or "Important info" in a subject line may be passed over as spam.

- **Be concise.**
  Most people don’t enjoy reading off of a computer screen. State your point as quickly as possible. Be sure to include all the important facts, but be brief. Include any relevant links or attachments to eliminate possible confusion.

- **Be sure to include due dates, deadlines or level of urgency.**
  Your advisor receives many emails every day and must make decisions about prioritizing responses. Be sure to include any relevant due dates or deadlines, or indicate a general level of urgency (low to high) to assist in this process. You should not assume that you will receive an immediate response.

- **Do not write in all capital letters.**
  It is generally interpreted as SHOUTING.

- **Never send an email when angry.**
  Before sending a message, consider whether you would say what you have written to the person's face. The detached nature of email will sometimes embolden people to say things they would never say in person. Remember, email that you send can be forwarded and there are no "take backs".

- **Do not assume that email you send to someone is private.**
  People forward messages all the time. Email containing confidential student information may be shared with authorized university faculty and staff.

- **Use spell check.**
  Pay attention to grammar and spelling. No one wants to guess what is being said, they want it spelled out for them (correctly). While email is less formal than letters, people will form an opinion of you based on how you write.
Environmental Sciences Undergraduate Program
Common Questions and Answers

- **How do I identify my advisor?**
  Dawn Marie Gaid and Stephany Johnson advise students earning the ENSC degree online through OSU Ecampus. For contact information, go to the [Contacts and Connections](mailto:ceoas.oregonstate.edu/academics/advising/) page below or [ceoas.oregonstate.edu/academics/advising/](http://ceoas.oregonstate.edu/academics/advising/).

- **When should I meet with my advisor?**
  You should meet with your advisor as often as you feel is necessary, and especially if you are having academic difficulties, or getting close to graduation. It is mandatory to meet with your advisor annually to discuss course plans for the coming year and to obtain your registration PIN. You will be notified via email when early fall advising will begin.

- **How do I make an appointment with my advisor?**
  If you are a newly admitted student, go to [http://ceoas.oregonstate.edu/envsci/ecampus/current/new/](http://ceoas.oregonstate.edu/envsci/ecampus/current/new/). If you are a continuing student, go to: [http://ceoas.oregonstate.edu/envsci/ecampus/current/advising/](http://ceoas.oregonstate.edu/envsci/ecampus/current/advising/).

- **What if my advisor is not available and I need immediate assistance?**
  For urgent issues, contact the main CEOAS Undergraduate Student Services office at 541-737-1201 or [ceoas.undergraduate@oregonstate.edu](mailto:ceoas.undergraduate@oregonstate.edu). Alternatively, you may contact Ecampus Student Services at [ecampus.ess@oregonstate.edu](mailto:ecampus.ess@oregonstate.edu) or 541-737-4166.

- **Whose responsibility is it to keep track of my progress at OSU?**
  It is primarily your responsibility. It is highly recommended that you keep an updated printed copy of the curriculum checklist worksheet to audit your electronic checklist in MyDegrees. Regularly access and review your electronic checklist in MyDegrees to ensure an accurate record of your progress toward graduation. Access MyDegrees by logging into the MyOSU portal – once in Student Online Services, select the Student Records link.

- **Are there ways to avoid Baccalaureate Core requirements?**
  No. The Baccalaureate Core is an integral part of your education – all undergraduate majors are expected to complete these requirements, unless you are a Post-Bacc student. Many courses can be used to satisfy these requirements, including a number that will double count to fulfill ENSC requirements.

- **Do I really need to meet all of the prerequisite requirements listed for a course?**
  Typically, yes. The prerequisites are intended to help you be successful in the course they are required for. If you have not taken the prerequisites but feel that you have the adequate background to successfully complete the course, check with the instructor to determine if he/she will allow you to enroll without them. For enforced prerequisites, you may need a course override to be able enroll without a registration error.

- **May I take courses in my major on an S/U or P/N grading basis?**
  No. The only exception is internship credit (ENSC 410), which is automatically graded “P/N”.

- **How do I choose a specialization?**
  Review the [Specialization Areas](http://ceoas.oregonstate.edu/envsci/ecampus/current/ specializationareas) section above. Discuss the choices with your advisor. To declare a specialization, a [Change of Undergraduate Program](http://ceoas.oregonstate.edu/academics/advising/) form must be completed, which can be done by your advisor on your behalf.

- **Can I count the same course towards both the ENSC Core Curriculum and my specialization?**
  No. Courses taken for a specialization may not double count with courses in the ENSC Core.
Environmental Sciences Undergraduate Program

Contacts and Connections

CEOAS Student Services Office
104 Wilkinson Hall, Corvallis, OR 97331-2904
541-737-1201 phone • 541-737-1200 fax
ceoas_undergrad@oregonstate.edu email • ceoas.oregonstate.edu/envsci/ web

Director
Larry Becker, PhD
238 Wilkinson Hall
541-737-9504
beckerla@science.oregonstate.edu

Advisors
Stephany Johnson, EdM
Interim CEOAS Head Advisor
541-737-3715
stephany.johnson@oregonstate.edu

Dawn Marie Gaid, MPP
Advises ENSC Ecampus students with last names beginning with A-Q
541-737-2833
dawn.gaid@oregonstate.edu

Erin Lieuallen
Advises ENSC Ecampus students with last names beginning with R-Z, and select on-campus ENSC students
541-737-1267

Kate Ullman, MSAAE
Advises on-campus Earth Sciences and select on-campus ENSC students
541-737-4495
kate.ullman@oregonstate.edu

Experiential Learning
Jessica Cardinal-Lanier
541-737-1274
jessica.cardinal-lanier@oregonstate.edu

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