

Environmental Sciences

Course of Study

The curriculum begins with a strong general education requirement and foundation in the sciences and humanities. OSU's baccalaureate core (BC) requirements consist of 48 credits and a writing intensive course (WIC). Many BC requirements can be simultaneously satisfied by courses for the environmental sciences major, such as physical science, biological science, math, and social processes. Basic science and math requirements constitute 53–55 credits for the major as well as 28–33 credits of environmental sciences and humanities courses. Environmental sciences majors must complete a minimum of 27 credits in a specialization area, as well as a minimum of 3 credits of observational experience*. Approved WIC courses are designated for each specialization area for the major. University and college requirements include 180 total credits, 60 upper-division credits with 45 of the last 75 credits at OSU and 24 upper-division credits from the College of Science.

*Internships, research, and courses give students real-world, hands-on experience in their chosen field of study. Information on different types of opportunities to satisfy the observational experience requirement is available from the environmental science advisors and the program director.

Sample Curriculum (B.S.* degree)

An official graduation checklist may be obtained from an advisor.

Freshman Year		credits
Environmental Science Orientation	ENSC 101	1
General Chemistry	CH 121, 122, 123 or CH 221, 222, 223	15
General Biology	BI 211, 212, 213	12
Calculus	MTH 251, 252	8
BC: Writing I	WR 121	3
Earth Systems Science or Environmental Geology or Principles of Soil Science	GEO 202, GEO 221 CSS 305	3–5
BC and electives		1–3

Sophomore Year		credits
Physics	PH 201, 202, 203 or PH 211, 212, 213	15
Principles of Economics	ECON 201 or AREC 250	3–4
BC: Writing II and III		6
Environmental law and management (choose two)	AREC 253, PH 313, FW 435 or 453 or 458 RNG 355 or 421 or 490	6–8
Intro to Atmospheric Sciences	ATS 210	3
BC and electives		9–12

Junior and Senior Years		credits
Principles of Statistics	ST 351, 352	8
Ecology	BI 370	3
Intro to Oceanography	OC 331 or other hydrosphere course	3
Environmental ethics and policy (choose one)	PHL 440, PHL 443, ANTH 481, AREC 351 or 434, PS 474, PS 475	3–4
The human environment (choose one)	BI 301, BI 306H, FW 325, H 344, or Z 348	3
BC: Contemporary global issues		3
BC: Writing intensive course		3
Observational Experience		3
Specialization courses (minimum)		27
BC and electives		30

† Students work with advisors to choose an approved specialization to develop an area of academic strength and a focal point for career development or future graduate study. The specialization area builds on the foundation provided by the basic sciences, humanities, skills, and environmental sciences. Curricula for approved specializations are available on the web at <http://envsci.science.oregonstate.edu/>.

What to know about Oregon State University

Head Advisor
College of Science
128 Kidder Hall
541-737-4811

OSU Admissions
104 Kerr Administration
541-737-4411
800-291-4192

OSU Financial Aid
Student Employment
Loans & Scholarships
College Work Study
218 Kerr Administration
541-737-2241

OSU Registrar
102 Kerr Administration
541-737-4331

OSU Housing
102 Buxton Hall
541-737-4771

OSU Website
<http://oregonstate.edu>

For more information, please contact:

Environmental Sciences
Undergraduate Program
College of Science
Oregon State University
2046 Cordley Hall
Corvallis, Oregon 97331-2904
phone: 541-737-2404
fax: 541-737-9858

email: ensc@oregonstate.edu
<http://envsci.science.oregonstate.edu>

Oregon State University is an Affirmative Action
Equal Opportunity Employer and complies with
Section 504 of the Rehabilitation Act of 1973.

0806

Experience.
Explore.
Discover
Achieve.

Biochemistry & Biophysics

Biology

Botany & Plant Pathology

Chemistry

Environmental Sciences

Geosciences

Mathematics

Microbiology

Molecular & Cellular Biology*

Physics

Pre-professional Programs in the Health Sciences

Professional Science Masters*

Science & Mathematics Education*

Statistics*

Zoology

*graduate program only

