

# Natural Resources

Departments  
and Programs  
in the College  
of Science

Biochemistry &  
Biophysics

Biology

Botany & Plant  
Pathology

Chemistry

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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

...managing natural resources, understanding the effects of human use. Water, trees, soil, and minerals are just a few examples of natural resources. Wise management of such resources is very important, and it is essential to have a better understanding of various problems and issues in this area.

## Career Opportunities

Recent program graduates are working as natural resource specialists and planners with state and federal agencies, attending law school, training or working as teachers in K-12 education, and pursuing graduate degrees in a variety of disciplines.

Maintaining integrity of the earth's ecosystems is a key challenge of the 21st century. Increasing human population continues to place greater demands on our natural resources. Students in the natural resources program at Oregon State University gain an understanding of complex biophysical, social, and cultural systems shaping natural resource management.

The natural resources program is an interdisciplinary degree offered jointly by the colleges of Agricultural Sciences, Forestry, Liberal Arts, and Science. The degree emphasizes a broad-based approach to the study of natural resources, providing students the opportunity to combine areas of particular interest and focus on topics not otherwise offered at the undergraduate level.

With this bachelor's degree program you will

- study an interdisciplinary curriculum based in agricultural sciences, forestry, liberal arts, and science;
- learn about the social and political components of resource management;
- begin preparation for a career in agroforestry, forest ecosystem science, natural resource planning, human dimensions, natural resource policy analysis, watershed management, or other natural resource profession.

The natural resources program at Oregon State University is available on the Corvallis Campus, the Cascades Campus (in Bend, Oregon), and by Ecampus (Distance Education).



# Natural Resources

## Course of Study

The course of study for the bachelor's degree in natural resources is built around a core of natural and social sciences. It offers cohesion through specifically designed seminars on specific issues and decision-making, problem-solving courses. Students can widen their understanding of natural resources by choosing from upper division courses in seven different areas of natural resources. They can add depth to their studies by selecting an area of specialization. Students in this major should expect a strong liberal education with a focus on natural resources.

## Sample Curriculum

An official graduation checklist may be obtained from an advisor.

Freshman Year			Sophomore Year		
		credits			credits
BC: Writing I, II	WR 121 plus other	6	Atmospheric Science	ATS 210	3
BC: Fitness		3	Statistics	ST 351	4
Mathematics	MTH 112 OR 241 or 245 or 251	4	Computer Applications	CS 101	4
			Natural resources seminar		1
Biology	BI 101, 102, 103	12	BC: Writing III		3
Earth System Science or Physical Geology	GEO 101 or 102 or GEO 201	4	BC: Difference, power, and discrimination		3
Natural resource seminar		1	BC: Literature & the arts		3
BC: Cultural diversity		3	BC: Social processes		3
BC: Western culture		3	Specialty area courses†		12
Electives		9	Electives		13

Junior Year			Senior Year		
		credits			credits
General Ecology	BI 370	3	Natural Resources Decision Making	NR 455	3
Water Science	FE 430, RNG 355 and OC 331 or 332	3	BC: Science, technology, and society		3
Forest Policy	PS 474 or RNG 490 or FOR 460	4	Breadth requirements*		9
Resource Economics	FOR 434, AREC 351, AREC 352, FOR 430, FOR 432	4			
Breadth requirements*		12	Specialty area courses†		20
Specialty area courses†		18			
BC: Contemporary global issues		3			
Electives		2			

\*Students choose one course from each natural resources group (amenity uses of natural resources; fisheries and wildlife; forestry, land and water, range, resource values/philosophy; social and political). Complete lists of courses in each group are available from the advisor. Breadth requirements courses comprise 21 credits, some requiring prerequisites.

†Specialty area is a pre-approved set of 50 credits of courses with a natural resources theme from at least three different departments with no more than 25 credits in one department. Students should consult advisors to create the specialty area.

## 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:

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web:  
<http://naturalresources.oregonstate.edu>

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