

**Experience.  
Explore.  
Discover.  
Achieve.**

**Departments  
and Programs  
in the College  
of Science**

**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

# Biology

...the scientific study of life. Biologists are interested in how living things begin, how they develop, how they function, and where they are found. The biology program at Oregon State University brings together subject matter from all the specialized departments within the biological sciences at OSU—from botany, the study of plants; from zoology, the study of animals; from microbiology, the study of minute organisms; and from biochemistry and biophysics, the chemical and physical basis of life.

## Career Opportunities

Issues and advances in areas such as biotechnology, environmental science, and medicine continually emphasize the importance of biological fields and biologists in the future of our country and the world. Students in OSU's biology program are prepared for these fields through a rigorous, interdisciplinary education in the life sciences. Many biology majors go on to graduate or professional schools after receiving their B.S. degree from OSU.

Some OSU biology graduates are employed as:

Forensic scientists

Field ecologists

Wildlife biologists

Physicians

Veterinarians

Dentists

Marine biologists

Environmental consultants

Sales representatives for pharmaceutical or publishing companies

Biotechnology technicians

Teachers in high schools, community colleges, and universities

The biology program was created for students who wish to obtain broad interdisciplinary training in the life sciences rather than enter a traditional discipline represented by the departments of Biochemistry/Biophysics, Botany and Plant Pathology, Microbiology, and Zoology at OSU. The program utilizes faculty expertise from all of the above departments to provide students with a broad but rigorous background in the life sciences.

Biology uses an innovative advising model that matches students to advisor based on career interests.

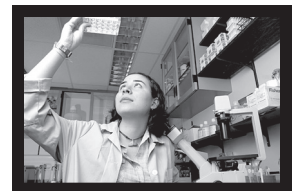
Biology leads the college in students who study abroad and has more students in the OSU International Degree Program than any other major at OSU.

Biology has more Honors College students than any other major at OSU.

Most biology students conduct research or experience an internship while at OSU.

Biology has official undergraduate options in genetics, biotechnology, marine biology, and pre-education.

Biology has specialized advising and resources for students seeking health professions.



# Biology

## 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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<http://biology.science.oregonstate.edu>

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

1105

## Course of Study

Requirements for a major in biology include completion of the biology core courses (see below). Many biology students also choose to pursue a health profession such as dentistry, medicine, optometry or veterinary medicine by completing required coursework. Other students choose to complete one of the official options in marine biology, genetics, biotechnology and pre-education. Options consist of a set of 21 credits of courses that focus on a particular discipline and are restricted to a specific major. The options are transcript visible; that is, the title of the option appears in a student's official academic record. Detailed information about biology requirements, health professions, and official options is available on the biology program website (<http://biology.science.oregonstate.edu>). Requirements for graduation also include 48 credits needed for the OSU baccalaureate core (BC), plus a writing intensive course (3 cr.). Refer to the OSU online catalog and Schedule of Classes for additional information on BC requirements.

## Sample Curriculum

An official graduation checklist may be obtained from an advisor.

Freshman and Sophomore Years		credits
Biology	BI 211, 212, 213	12
Biology Seminar	BI 198	1
General Chemistry	CH 221, 222, 223	15
BC: Writing I	WR 121	3
Calculus	MTH 251, 252	8
BC: Fitness		3
Organic Chemistry	CH 331, 332, 337	12
General Physics	PH 201, 202, 203	15
Cell and Molecular Biology	BI 314	4
BC courses and electives		17
Junior and Senior Year		credits
General Biochemistry	BB 450, 451	7
Intro to Statistical Methods	ST 351, 352	8
Genetics	BI 311	4
Evolution	BI 445	3
General Ecology	BI 370	3
General Microbiology	MB 302, 303	5
Organismal biology courses		4-5
Physiology courses		3-5
BC: History of science		3
BC: Writing intensive course		3
Two additional upper division science courses		5-6
BC courses and electives		38-42

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