



# Chemistry

## 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:

Kevin Gable, Chair  
Department of Chemistry  
College of Science  
Oregon State University  
153A Gilbert Hall  
Corvallis, Oregon 97331-4003  
phone: 541-737-2081  
fax: 541-737-0501

email: [kevin.gable@oregonstate.edu](mailto:kevin.gable@oregonstate.edu)  
<http://www.chemistry.oregonstate.edu>

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

0806

## Course of Study

The Chemistry B.S. core curricula consist of sequences in general, organic, analytical, physical, and inorganic chemistry, as well as math and physics (76–81 credits). Students must select one or more of ten possible options (30–38 additional credits). For specific course requirements for options, see the undergraduate/advising link on the Chemistry home page ([www.chemistry.oregonstate.edu](http://www.chemistry.oregonstate.edu)). Requirements for graduation include fulfilling the OSU baccalaureate core (BC) (48 credits) plus a writing intensive course in chemistry. Participation in undergraduate research is strongly encouraged.

## Sample Curriculum

The ACS certified B.S. degree with the advanced chemistry option:

See “undergraduate/advising” on [www.chemistry.oregonstate.edu](http://www.chemistry.oregonstate.edu) for curricula for other options.

Freshman Year			credits		
General Chemistry	CH 221, 222, 223*	15	Calculus	MTH 251, 252	8
Vector Calculus	MTH 254	4	BC: Writing I	WR 121	3
BC: Fitness		3	General Physics	PH 211 & 221	5
Biology	BI 212 or BI 102	4	Other BC courses and electives		6

Sophomore Year			credits		
Organic Chemistry	CH 334, 335, 336	9	Experimental Chemistry I	CH 361†, 362†	6
Infinite Series & Sequences or Power Series & Matrix Methods	MTH 253 or MTH 306	4 or 4	Applied Differential Equations or Linear Algebra	MTH 256 or MTH 341	3 or 3
General Physics	PH 212 & 222, 213 & 223	10	BC: Writing II		3
Other BC courses and electives		9 or 10			

Junior Year			credits		
Analytical Chemistry	CH 421, 422	6	Physical Chemistry	CH 440, 441, 442	9
Experimental Chemistry II	CH 461, 462§, 463§	9	BC: Writing III		3
Other BC courses and electives		18			

Senior Year			credits		
Inorganic Chemistry	CH 411, 412	6	Experimental Chemistry II	CH 464§	3
Biochemistry	BB 490 & 491 or BB 450	6 or 4	Approved career-supportive electives#		12
BC courses and electives		18–20			

\*CH 224H, 225H, 226H for students enrolled in Honors College.

†CH 361H, 362H for students enrolled in Honors College.

§Writing intensive course (WIC): CH 462H, CH 463H, CH 464H for students enrolled in Honors College.

#Must be approved by departmental academic advisor by end of winter quarter Junior year.

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