

CHEMISTRY TEACHING OPTION

This option is offered within the following major(s):

- Education - College of Education (<http://catalog.oregonstate.edu/college-departments/education/education-ba-bs-hba-hbs/>)

This option is for students wanting to earn a bachelor's degree in Education and qualify for an Oregon Teaching License to teach chemistry at the high school level (grades 9–12).

For more information, contact the College of Education Student Services Advisor, 104 Furman Hall, 541-737-4661.

Option Code: 63

Students must meet all standards in this option by completing the required courses prior to beginning the Professional Level. Note: Most of these courses will also meet requirements in a student's first degree.

Additional option requirements:

- A cumulative 3.0 GPA is preferred for all required courses. Grades below C- are not accepted
- All required courses must be letter graded (A–F); courses graded on Pass/No Credits (P/N) or Satisfactory/Unsatisfactory (S/U) basis are not accepted

Code	Title	Credits
Standard 1. Physics Sequence		
Select one of the following physics series:		15
Series 1		
PH 201 & PH 202 & PH 203	*GENERAL PHYSICS and *GENERAL PHYSICS and *GENERAL PHYSICS	
Series 2		
PH 211 & PH 221	*GENERAL PHYSICS WITH CALCULUS and RECITATION FOR PHYSICS 211	
PH 212 & PH 222	*GENERAL PHYSICS WITH CALCULUS and RECITATION FOR PHYSICS 212	
PH 213 & PH 223	*GENERAL PHYSICS WITH CALCULUS and RECITATION FOR PHYSICS 213	
Standard 2. Chemistry Sequence		
Select one of the following chemistry series:		12
Series 1		
CH 231 & CH 261	GENERAL CHEMISTRY and *LABORATORY FOR CHEMISTRY 231	
CH 232 & CH 262	GENERAL CHEMISTRY and *LABORATORY FOR CHEMISTRY 232	
CH 233 & CH 263	GENERAL CHEMISTRY and *LABORATORY FOR CHEMISTRY 233	
Series 2 (for Chemistry majors)		
CH 231 & CH 271	GENERAL CHEMISTRY and *LABORATORY FOR CH 231 FOR CHEMISTRY MAJORS	
CH 232 & CH 272	GENERAL CHEMISTRY and *LABORATORY FOR CH 232 FOR CHEMISTRY MAJORS	
CH 233 & CH 273	GENERAL CHEMISTRY and *LABORATORY FOR CH 233 FOR CHEMISTRY MAJORS	
Standard 3. Analytical Chemistry		
CH 324	QUANTITATIVE ANALYSIS	4-6

or CH 421 & CH 422	ANALYTICAL CHEMISTRY and ANALYTICAL CHEMISTRY	
Standard 4. Biochemistry or Physical Chemistry Sequence		
Select one of the following biochemistry or physical chemistry series:		9-11
Series 1		
BB 450 & BB 451 & CH 324 or CH 440	GENERAL BIOCHEMISTRY and GENERAL BIOCHEMISTRY and QUANTITATIVE ANALYSIS PHYSICAL CHEMISTRY	
Series 2		
BB 490 & BB 491 & BB 492	BIOCHEMISTRY 1: STRUCTURE AND FUNCTION and BIOCHEMISTRY 2: METABOLISM and BIOCHEMISTRY 3: GENETIC BIOCHEMISTRY	
Series 3		
CH 440 & CH 441 & CH 442	PHYSICAL CHEMISTRY and PHYSICAL CHEMISTRY and PHYSICAL CHEMISTRY	
Standard 5. Organic Chemistry Sequence		
Select one of the following chemistry series:		9-12
Series 1		
CH 331 & CH 332 & CH 337	ORGANIC CHEMISTRY and ORGANIC CHEMISTRY and ORGANIC CHEMISTRY LABORATORY	
Series 2		
CH 334 & CH 335 & CH 336 CH 337 or CH 361	ORGANIC CHEMISTRY and ORGANIC CHEMISTRY and ORGANIC CHEMISTRY ORGANIC CHEMISTRY LABORATORY EXPERIMENTAL CHEMISTRY I	
Standard 6. Science Education		
SED 413	INQUIRY IN SCIENCE AND SCIENCE EDUCATION (secondary section)	3
Total Credits		52-59

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Baccalaureate Core Course (BCC)

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Writing Intensive Course (WIC)

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