

CHEMISTRY EDUCATION OPTION

This option is available within the Chemistry (<https://catalog.oregonstate.edu/college-departments/science/chemistry/chemistry-ba-bs-hba-hbs/>) major at the following location:

- Corvallis

The Chemistry Education option is a Track-Two option in the BS degree in Chemistry directed at students planning to teach high school chemistry or continuing with graduate education and teaching careers at community colleges.

The courses in this option are designed to interface with the Professional Teacher Master of Science in Education (<https://education.oregonstate.edu/program/math-education-science-education-ms/>) program for prospective high school teachers through the College of Education at OSU. This option includes courses covering teaching methods, a secondary endorsement area, and undergraduate teaching internship and teaching seminar in chemistry.

Option Code: 516

Upon successful completion of the program, students will meet the following learning outcomes:

- Recall, integrate, and apply essential core information about the key components of Chemistry.
- Demonstrate competency in basic laboratory techniques, laboratory safety, chemical synthesis, and measurement of chemical properties and phenomena.
- Communicate ideas effectively orally and in writing.
- Demonstrate the ability to analyze data, access information and integrate information from various sources in order to solve problems.

Code	Title	Credits
Required Core		
CH 407	SEMINAR (Chemistry Teaching)	1
CH 410	INTERNSHIP (Undergraduate Teaching)	3
ED 309	FIELD PRACTICUM	3
or ED 409	PRACTICUM/CLINICAL EXPERIENCE	
PSY 202Z	+*INTRODUCTION TO PSYCHOLOGY II	4
SED 413	INQUIRY IN SCIENCE AND SCIENCE EDUCATION	3
Second Endorsement Electives		
Select one course from the following: ¹		3
ED 216	+*PURPOSE, STRUCTURE, AND FUNCTION OF EDUCATION IN A DEMOCRACY	
ED 253	+LEARNING ACROSS THE LIFESPAN	
PSY 350	HUMAN LIFESPAN DEVELOPMENT	
SED 414	INQUIRY IN MATHEMATICS AND MATHEMATICS EDUCATION	
Select additional courses from a list approved by the College of Education ¹		15
Total Credits		32

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Baccalaureate Core course. Applies to general education requirements for undergraduate students in a catalog year up to 2024-2025

+ Core Education course. Applies to general education requirements for undergraduate students in catalog year 2025-2026 and beyond

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Courses in the second endorsement area are selected from a list approved by the College of Education and must be different from those required in the chemistry core. A minimum of 5 elective credits must be upper-division

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