

ADVANCED CHEMISTRY OPTION

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

- Chemistry - College of Science (<http://catalog.oregonstate.edu/college-departments/science/chemistry/chemistry-ba-bs-hba-hbs/>)

This track-one option leads to a degree approved by the American Chemical Society. Designed for students continuing their chemistry education in graduate school or seeking careers directly in the chemistry workforce. This provides the most rigorous and complete chemistry foundation with the most extensive laboratory experience. Undergraduate research is strongly encouraged. Knowledge and skills are developed in organic, analytical, physical and inorganic chemistry. Six advanced laboratory courses are required. Students have a choice of electives that support their career goals.

Option Code: 521

Code	Title	Credits
BB 450	GENERAL BIOCHEMISTRY ¹	4-6
or BB 490 & BB 491	BIOCHEMISTRY 1: STRUCTURE AND FUNCTION and BIOCHEMISTRY 2: METABOLISM	
CH 411 & CH 412	INORGANIC CHEMISTRY and INORGANIC CHEMISTRY	6
CH 461	EXPERIMENTAL CHEMISTRY II	3
CH 462 & CH 463 & CH 464	[^] EXPERIMENTAL CHEMISTRY II and [^] EXPERIMENTAL CHEMISTRY II and [^] EXPERIMENTAL CHEMISTRY II	9
MTH 256 or MTH 341	APPLIED DIFFERENTIAL EQUATIONS LINEAR ALGEBRA I	3-4
Career-supportive electives (CSE) ²		12
Total Credits		37-40

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Writing Intensive Course (WIC)

1

BB 491 fulfills 2 credits of Career Supported Electives if taken with BB 490

2

Courses approved by the advisor by the end of the winter quarter of the junior year; must include 3 credits of an upper-division lab, with CH 401 or CH 403 strongly recommended.

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