

Occidental Chemistry major example introductory course plan

All incoming first year students should take the chemistry placement exam. Do not hesitate to ask any member of the chemistry department if you have questions about chemistry courses.

Chem 100 placement:

Year 1 Fall	Year 1 Spring
Chem 100 Calculus 1 + lab CSP Core Requirement	Chem 120 + lab Calculus 2 + lab CSP Core Requirement
Year 2 Fall	Year 2 Spring
Chem 220 or 240 + lab Physics 1 + lab Core requirement Core requirement	Chem 220 or 221 + lab Chem 150 (1-unit) Physics 2 + lab Core requirement Core requirement

Chem 120 or 130 placement:

Year 1 Fall	Year 1 Spring
Chem 120 or 130 + lab Calculus 1 + lab CSP Core Requirement	Chem 220 or 240 + lab Chem 150 (1-unit) Calculus 2 + lab CSP Core Requirement
Year 2 Fall	Year 2 Spring
Chem 220 or 221 + lab Physics 1 + lab Core requirement Core requirement	Chem 221 or 240 + lab Chem 201 + lab Physics 2 + lab Core requirement

In years 3 and 4, students will take:

Required courses offered only in Fall:

Chem 300 + lab - Thermodynamics and Kinetics

Chem 340 + lab - Inorganic Chemistry

Chem 490 - Senior Seminar

Required courses offered only in Spring:

Chem 201 + lab - Biochemical and Environmental Analysis

Chem 305 + lab - Quantum Mechanics

Chem 490 - Senior Seminar

Elective courses offered in Spring:

Chem 315 - Physical Chemistry III
Chem 332 - Instrumental Analysis
Chem 350 - Biochemistry
Chem 360 - Physical Organic Chemistry
Chem 370 - Organometallic Chemistry
Chem 380 - Organic Synthesis

A general prerequisite roadmap for the chemistry major is below:

Chemistry Courses and Major Requirements

