

B.S. Chemistry

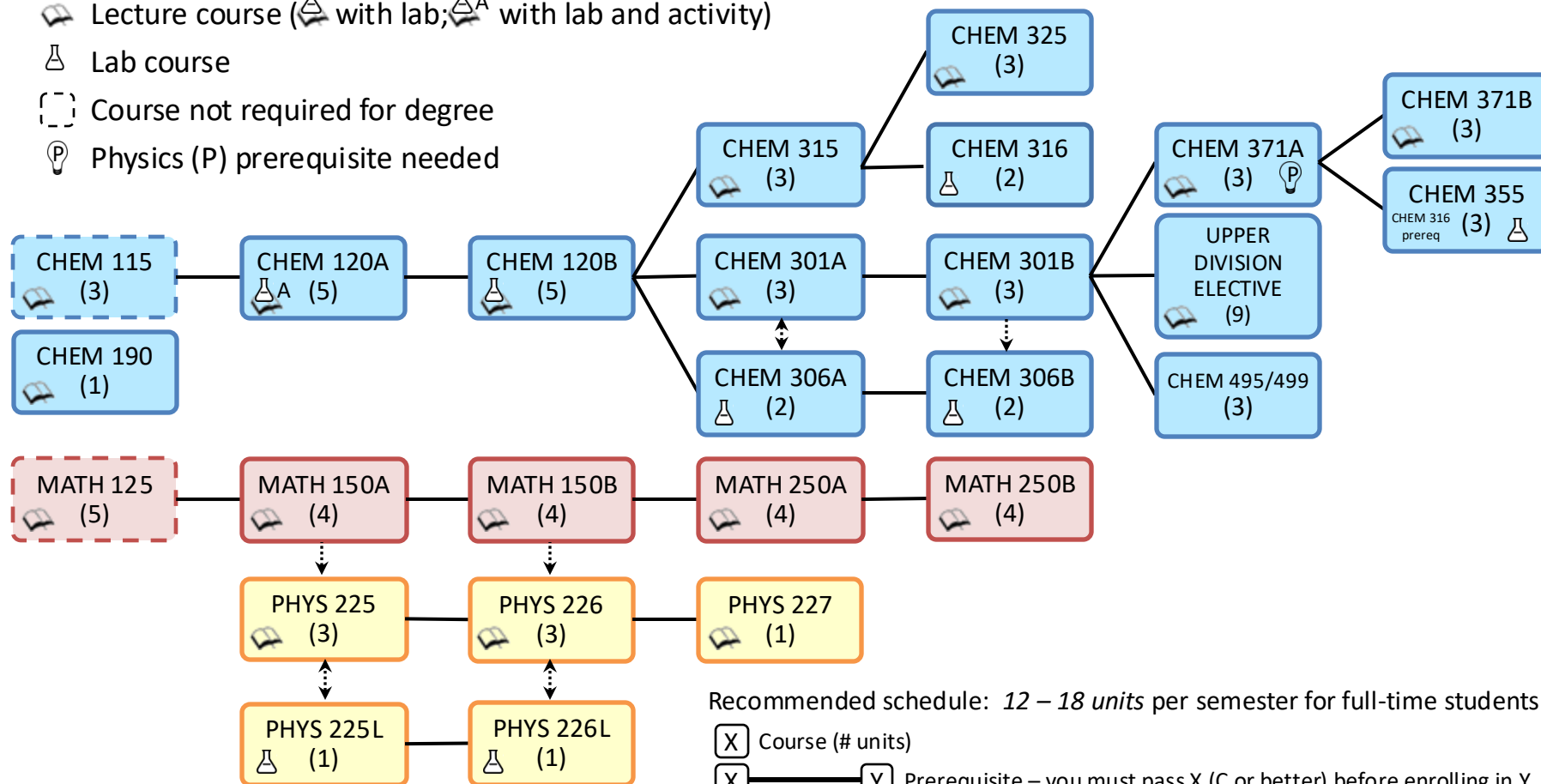
Full-time students, 4 – 5 year degree program

Lecture course (with lab; ^A with lab and activity)

Lab course

Course not required for degree

Physics (P) prerequisite needed



Recommended schedule: 12 – 18 units per semester for full-time students

Course (# units)

— Prerequisite – you must pass X (C or better) before enrolling in Y

<-----> Corequisite – you must take X and Y at the same time

..... Corequisite – you must take X at the same time as (or before) Y

Other resources:

- NSM Student Success Center (GE Advising, Tutoring), MH 488, 657-278-7082
- Health Professions Advising, PLN-1, 657-278-3980

B.S. Chemistry Degree Requirements

Fall 2025 catalog

The Bachelor of Science in Chemistry is offered to students who plan to pursue a career in industrial chemistry and to those who wish to pursue graduate work in physical, analytical, organic, or inorganic chemistry.

The following is a list of the required courses for the B.S. in Chemistry:

Chemistry Courses		
Course number	Course title	Units
Chem 120 A, B	General Chemistry	10
Chem 190	Career Options in Chemistry and Biochemistry	1
Chem 301 A, B	Organic Chemistry	6
Chem 306 A, B	Organic Chemistry Laboratory	4
Chem 315, 316	Quantitative Chemistry with Laboratory	5
Chem 325	Inorganic Chemistry	3
Chem 355	Physical Chemistry Laboratory	3
Chem 371 A, B	Physical Chemistry	6
Chem 495 / 499	Senior Research	3
	Upper division electives*	9
		50
Related Courses		
Course number	Course title	Units
Phys 225, 226	Fundamental Physics	6
Phys 225 L, 226 L	Fundamental Physics Laboratory	2
Phys 227 (1 unit)	Fundamental Physics	1
Math 150 A, B	Analytical Geometry and Calculus	8
Math 250 A	Intermediate Calculus	4
Math 250 B	Linear Algebra with Differential Equations	4
		25

* The upper division elective requirement is satisfied by taking nine units of upper division coursework directly related to the students' career plans in chemistry and approved by the Undergraduate advisor. A minimum of 6 units of UD electives must be 400-level CHEM courses.

If you are interested in obtaining an ACS-certified degree as a BS Chemistry major, you must complete the following courses: CHEM 421 and CHEM 415. These courses can also fulfill the 6 units of upper-division electives required for the major. Additional laboratory requirements may be necessary for the certification. Please consult with your major advisor for more information about the ACS certification or email chemadvising@fullerton.edu.