

# B.S. Biochemistry

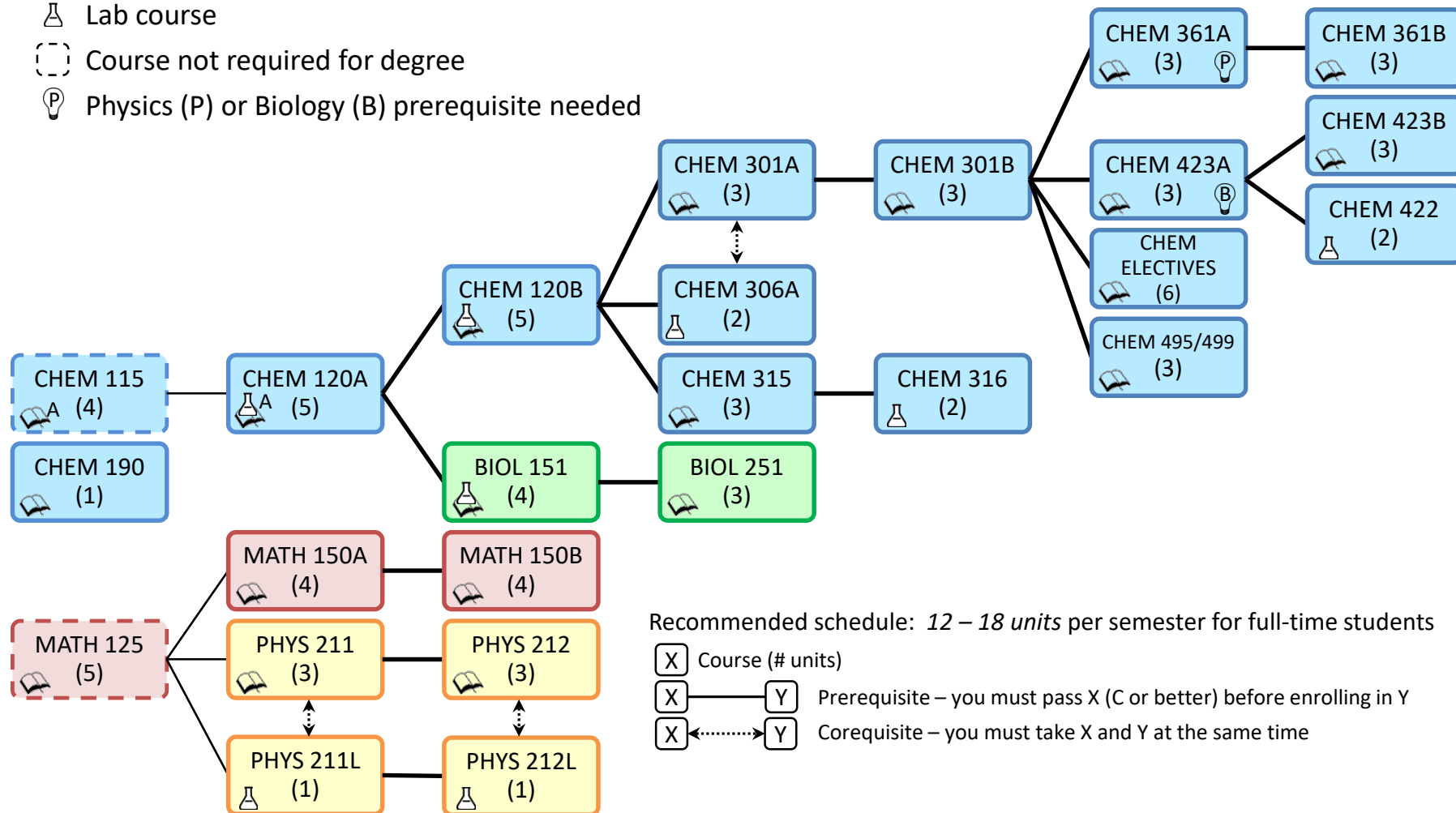
Full-time students, 4 – 5 year degree program

Lecture course ( with lab; with lab and activity)

Lab course

Course not required for degree

Physics (P) or Biology (B) 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

Other resources:

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

## B.S. Biochemistry Degree Requirements

The Bachelor of Science in Biochemistry is offered for students who are planning careers in professional biochemistry or attendance to graduate schools in biochemistry or molecular biology. This degree is also strongly recommended for any student who is preparing for admission to a school of medicine, pharmacy, or dentistry. With suitable electives, this degree provides an excellent foundation for special training in medical technology, clinical chemistry, or nutrition.

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

### 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	Organic Chemistry Laboratory	2
Chem 315, 316	Quantitative Chemistry with Laboratory	5
Chem 361 A, B*	Introduction to Physical Chemistry	6
Chem 423 A, B	General Biochemistry	6
Chem 422	Biochemistry Laboratory	2
Chem 495 / 499	Senior Research	3
	Chemistry elective**	6
		47

### Related Courses

Course number	Course title	Units
Phys 211, 212	Elementary Physics	6
Phys 211 L, 212 L	Elementary Physics Laboratory	2
Math 150 A, B	Analytical Geometry and Calculus	8
Biol 151	Cellular and Molecular Biology	4
Biol 251	Genetics	3
		23

\* The following substitutions are acceptable and depending on your career goals, may be recommended:

Chem 371 A, B for Chem 361 A, B

\*\* Need six (6) units minimum between two of the following electives: CHEM 325, 410, 411A – G, 429, 430, 431, 435, 438, 439, 445, 467, 472B, 473, 480T (depending on topic), BIOL 302, 303, 309, 362, 412, 413, 414, 445, 448, HESC 401, MATH 338