




B.A. Chemistry

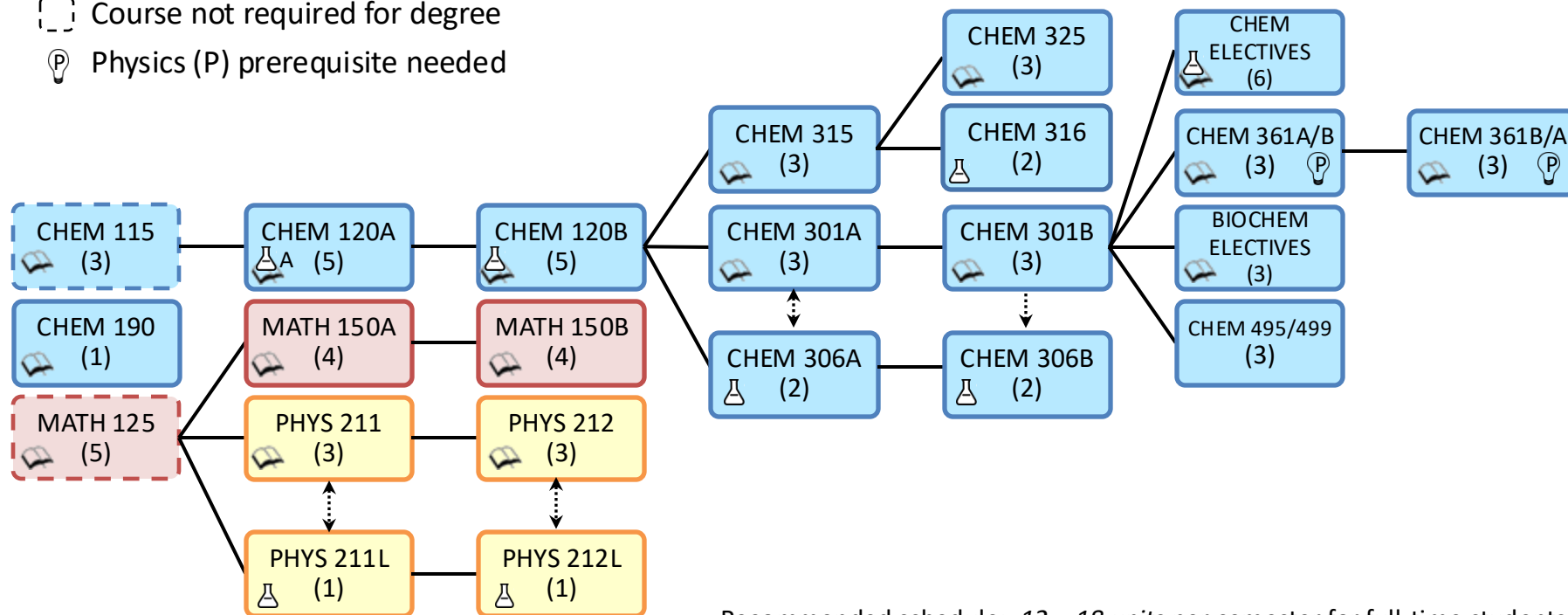
Full-time students, 4 – 5 year degree program

 Lecture course ( with lab;  with lab and activity)


 Lab course



 Course not required for degree



 Physics (P) 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.A. Chemistry Degree Requirements
Fall 2025 catalog

The Bachelor of Arts in Chemistry is offered for students who are planning careers that require a sound background in fundamental chemistry, but not the specialized training needed by a professional chemist. The B.A. program is particularly suited for those who plan to go into areas such as secondary education, technical sales, food processing, chemical patent law, forensic science, environmental law, and business administration (MBA).

The following is a list of the required courses for the B.A. 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 361 A, B*	Introduction to Physical Chemistry	6
Chem 495 / 499	Senior Research	3
	Biochemistry elective**	3
	Chemistry electives	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
		16

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

Chem 371 A, B for Chem 361 A, B

Phys 225, 226 for Phys 211, 212

Phys 225 L, 226 L for Phys 211 L, 212 L

** Accepted courses for the biochemistry elective are CHEM 421, 423A, 429, 430, 438, and 439.

If you are interested in obtaining an ACS-certified degree as a BA Chemistry major, you must complete the following courses: CHEM 421, CHEM 415, and CHEM 355. Additional laboratory requirements may be necessary for the certification. Please consult with your major advisor for more information about the ACS certification or email