

Suggested Study Plan for B.A. Chemistry Major (with MAC)

MXX = Minerva; CIC = College Requirement; CW = College Writing

Freshman Year	
<u>Fall</u>	<u>Credits</u>
CHE 111, 112 General Chemistry I (MDA) F,S,Su	3+1
FYE 101 Succeed at the G (Chem/Biochem Section) ^F (MFND)	3
MAT 190 PreCalculus (MQR) ^{F,S,Su}	4
Any Course in Written Communication (MWC) (Ex. ENG 101)	3
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Freshman Year	
<u>Spring</u>	<u>Credits</u>
CHE 114, 115 General Chemistry II (MNTS) F,S,Su	3+1
MAT 196 Calculus A (MQR) ^{F,S,Su}	4
Any Course in Oral Communications (MOC)	3
Any Course in CT Social/ Behavioral Science (MSBS)	3
Foreign Language 1 (CIC1)	3 / 17

Sophomore Year	
<u>Fall</u>	<u>Credits</u>
CHE 342 Inorganic Chemistry ^F (CIC NDS)	3
CHE 351 ^{F, S,Su} , 353 ^F Organic Chem I & Lab	4+1
MAT 296 Calculus B ^{F,S,Su}	4
Foreign Language (CIC2)	3
	/ 15

Sophomore Year	
<u>Spring</u>	<u>Credits</u>
CHE 352 Organic Chemistry II ^{F,S, Su}	3
CHE 355 Inter Organic Chem Lab ^S	2
PHY 211 General Physics I & Lab ^{F,S,Su}	4
Any Course in CT in Humanities & Fine Arts (MHFA)	3
Foreign Language (CIC3)	3/ 15

Junior Year	
<u>Fall</u>	<u>Credits</u>
CHE 331, 333 Quantitative Analysis & Lab ^F (CW)	3+1
PHY 212 General Physics II & Lab ^{F,S,Su}	4
Health & Wellness (MHW)	3
Any Course in Social & Behavioral Science (CIC)	3
Foreign Language (CIC4)	3/ 17

Junior Year	
<u>Spring</u>	<u>Credits</u>
Adv. Chemistry Elective ^{F, S}	3
Any Course in Global & Intercultural Engagement (MGIL)	3
Any Course in Diversity & Equity (MDEQ)	3
Humanities (CIC) (Two courses)	3+3
	/15

Senior Year		Senior Year	
<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
CHE 401 Chemistry Seminar ^{F, S}	P/NP	CHE 402 Chemistry Seminar ^{F, S}	1
CHE 406 Intro. Physical Chemistry ^F	4	Electives	12-13
Adv. Chemistry Elective ^{F, S}	2-3		
College Writing (CW)*	3		
Electives	4/13-14		/13-14

*Can be fulfilled coincident with another requirement

FOOTNOTES FOR B.A. CHEMISTRY STUDY PLAN

1. All B.A. majors must complete mathematics at least through MAT 296 Calculus B. Depending upon the individual mathematics background*, some students may start with MAT 190 rather than MAT 196. MAT 190 is a one-semester precalculus course for science majors. Some students may take MAT 181 Foundations of Calculus along with MAT 196. Majors are strongly advised to elect additional advanced mathematics courses. A Calculus Readiness Diagnostic Test should be taken. (*See <https://mathstats.uncg.edu/undergraduate/placement/calculus-diagnostic-test/>)
2. The requirement is Foreign Language through the Intermediate (204) level. If the student is able to begin Foreign Language at the intermediate level in the Freshman Year, a second year of language may not be required. Students who are native speakers of a second language may be exempted from the Foreign Language requirement.
3. The sequence listed here for meeting the Minerva Academic Requirements (MAC) and College additional requirements (CIC) (identified by capital letters in parentheses) is a suggestion only and may be arranged to fit each student's particular situation. Note: Two College Writing courses must be completed.
4. The only difference in the B.A. and B.S. programs in the first two years is the PHY 291-292 requirement for the B.S.* The B.A. student may take PHY 211-212. Should the B.A. student complete PHY 211 & 212 and then switch to the B.S. program, one advance Physics course will be required; PHY 321 Modern Physics, is suggested. *(MAT 196, Calculus A, is a prerequisite for PHY 291.)
5. Electives may be taken in any area, including chemistry, related sciences, and mathematics. CHE 491, 492 Independent Study is encouraged.
6. Only major requirement and related are requirement courses at or below the 300-level in which grades of C- or better are earned will be counted toward the major. Students must earn a C- or better in prerequisite major requirement and related area requirement courses before advancing to subsequent courses. Students must have an overall GPA of at least 2.0 in CHE courses at UNC Greensboro.
7. Two courses from among CHE 420 or 456 and 457 (which count as one course), 442, 481, and 431, 436, or 453 must be chosen as Chemistry electives. CHE 433 Instrumental Analysis Lab need not accompany CHE 431 Instrumental Analysis Lecture, but may be elected.
8. Chemistry and Biochemistry majors can register for CHE 401 any time after achieving junior status. All must register for CHE 402 in their last semester. A grade will be given in the semester CHE 402 is completed, based on presentation and attendance in CHE 401 and CHE 402. All majors are encouraged to attend seminar even if not registered for CHE 401 or CHE 402.

Major Requirements

1. CHE 111*, 112*, 114, 115, 331, 333, 342, 351, 352, 353, 355, 401 (audit), 402, 406 or 461
2. Two courses from among: CHE 420 or 456 and 457 (which counts as one course), 442, 481, 431, 436, 453

Related Area Requirements

1. Mathematics 196, 296
2. Physics 211, 212 or 291, 292