

Suggested Study Plan for B.A. Chemistry Major

Freshman Year	
<u>Fall</u>	<u>Sem. Hours</u>
CHE 111, 112 General Chemistry I ^{F,S,Su}	4
CHE 170 Engaging in Chem&Biochem	1
MAT 151 PreCalculus II ^{F,S,Su} or MAT 190	3
ENG 101 (GRD1)	3
Foreign Language (GFL1)	3 / 14

Freshman Year	
<u>Spring</u>	<u>Sem. Hours</u>
CHE 114, 115 General Chemistry II ^{F,S,Su}	4
MAT 191 Calculus I ^{F,S,Su} (GMT)	3
Reasoning & Discourse (GRD2)	3
Foreign Language (GFL2)	3
Elective	3 / 16

Sophomore Year	
<u>Fall</u>	<u>Sem. Hours</u>
CHE 342 Inorganic Chemistry ^F	3
CHE 351 ^{F, S,Su} , 353 ^F Organic Chem I & Lab	5
MAT 292 Calculus II ^{F,S,Su}	3
Philosophical, Religious, Ethical Princ (GRP)	3
Foreign Language (GFL3)	3/ 17

Sophomore Year	
<u>Spring</u>	<u>Sem. Hours</u>
CHE 352 Organic Chemistry II ^{F,S, Su}	3
CHE 355 Inter Organic Chem Lab ^S	2
PHY 211 General Physics I ^{F,S,Su}	4
Fine Arts(GFA)	3
Foreign Language (GFL4)	3/ 15

Junior Year	
<u>Fall</u>	<u>Sem. Hours</u>
CHE 331, 333 Quantitative Analysis ^F	4
PHY 212 General Physics II ^{F,S,Su}	4
Social/ Behavioral Science (GSB1)	3
Literature (GLT1)	3/ 14

Junior Year	
<u>Spring</u>	<u>Sem. Hours</u>
Adv. Chemistry Elective ^{F, S}	3
Historical Perspective (GHP-GPM)	3
Social/ Behavioral Science (GSB2)	3
Electives	6/15

Senior Year	
<u>Fall</u>	<u>Sem. Hours</u>
CHE 401 Chemistry Seminar ^{F, S}	P/NP
CHE 406 Physical Chemistry ^F	4
Adv. Chemistry Elective ^{F, S}	3
Life Science (GLS)	3
Literature (GLT2)	3
Elective	2/15

Senior Year	
<u>Spring</u>	<u>Sem. Hours</u>
CHE 402 Chemistry Seminar ^{F, S}	1
Social/ Behavioral Science (GSB3)	3
Historical Perspective (GHP-GMO)	3
Electives	10
	/17

FOOTNOTES FOR B.A. CHEMISTRY STUDY PLAN

1. All B.A. majors must complete mathematics at least through MAT 291 Calculus II. Depending upon the individual mathematics background*, some students may start with MAT 150 rather than MAT 151 and extend the sequence of math courses by one semester. MAT 190 is a one-semester precalculus course for science majors. Majors are strongly advised to elect additional advanced mathematics courses. A Math Placement Test should be taken. (*See <http://www.uncg.edu/mat/undergraduate/mathplacetest.html>)
2. 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. The requirement is Foreign Language through the Intermediate (204) level.
3. The sequence listed here for meeting the General Education Requirements (GEC) and College Additional Requirements (CAR) (identified by capital letters in parentheses) is a suggestion only and may be arranged to fit each student's particular situation. Note: Four Writing Intensive, two Speaking Intensive, and four Global (including one nonwestern) marker 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 191, Calculus I, is a prerequisite for PHY 291.)
5. Electives may be taken in any area, including chemistry, related sciences and mathematics. Students may not count more than 60 hours in Chemistry and related areas toward the 122 hours required for graduation. Additional hours may be taken in the major and related areas, but the number of hours at graduation will increase accordingly. CHE 491, 492 Independent Study is encouraged.
6. Only major requirement and related area 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. Senior Chemistry majors should register for CHE 401 in their second last semester and attend seminar, whether or not they plan to present a seminar this first semester. All must register for CHE 402 in their last semester. A grade will be given in the second semester, based on presentation and attendance in CHE 401 and CHE 402. Juniors are encouraged to attend.

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 191, 292
2. Physics 211, 212 or 291, 292