

Suggested Study Plan For B.S. 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 ^F	1
MAT 151 PreCalculus II ^{F,S,Su} or MAT 190 ^{F,S}	3
ENG 101 (GRD1)	3
Foreign Language (CFL1)	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
Historical Perspective (GHP-GPM)	3
Foreign Language (GFL2)	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. (GPR)	3
Foreign Language (CFL3)	3 / 17

Sophomore Year	
<u>Spring</u>	<u>Sem. Hours</u>
CHE 352 Organic Chemistry II ^{F,S,Su}	3
CHE355 Inter Organic Chemistry Lab ^S	2
PHY 291 General Physics I ^S	4
MAT 293 Calculus III ^{F,S}	3
Foreign Language (CFL4)	3 / 15

Junior Year	
<u>Fall</u>	<u>Sem. Hours</u>
CHE 331, 333 Quantitative Analysis ^F	4
PHY 292 General Physics II ^F	4
Literature (GLT1)	3
Fine Arts (GFA)	3
	/ 14

Junior Year	
<u>Spring</u>	<u>Sem. Hours</u>
CHE 431, 433 Instrumental Analysis and Lab ^S	4
Literature (GLT2)	3
Social/ Behavioral Science (GSB1)	3
BIO 111, 111L (GLS)	4
Historical Perspective (GHP-GMO)	3 / 17

Senior Year	
<u>Fall</u>	<u>Sem. Hours</u>
CHE 401 Chemistry Seminar ^{F,S}	P/NP
CHE 481 Synthetic Techniques ^F	2
CHE 420 Biochemistry (Or CHE 456,457) ^F	3
CHE 461, 463 Physical Chemistry ^F	5
Social/ Behavioral Science (GSB2)	3/13

Senior Year	
<u>Spring</u>	<u>Sem. Hours</u>
CHE 402 Chemistry Seminar ^{F,S}	1
CHE-442 Inorganic Chemistry ^S	3
CHE 462, 464 Physical Chemistry ^S	4
Advanced Science Elective	3
Social/ Behavioral Science (GSB3)	3/14

FOOTNOTES FOR B.S. CHEMISTRY STUDY PLAN

1. All B.S. majors must complete mathematics at least through MAT 293 Calculus III. 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. 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.
5. Electives may be taken in any area, including chemistry, related sciences and mathematics. Additional hours may be taken in the major and related areas, but the number of credit hours at graduation will increase accordingly. CHE 491, 492 Independent Study is encouraged.
6. 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.
7. Eligible courses for Advanced Science Elective are: CHE 490, 491, 492, (minimum of 2 credit hours total for any combination of 491 and 492 count as one course), 493, 436, 453, 455, 470 (minimum 2 credit hours total for any combination of CHE 470 courses, counts as one course); BIO 355, 392, 477, 479, 406; CSC 230, 330, 339, 427; STA 271, 351; MAT 310, 311, 345, 390, 394, 395; PHY 321, 323, 325, 327, 412, 413, 421, 426. Independent study, CHE 491, 492 is encouraged. These electives may be taken earlier than the senior year if prerequisites permit.

Major Requirements

CHE 111, 112, 114, 115, 331, 333, 342, 351, 352, 353, 355, 401 (audit), 402, 420 or (456 and 457 which counts as one course), 442, 461, 462, 463, 464, 481, 431, 433

Related Area Requirements

1. MAT 191, 292, 293
2. PHY 291, 292
3. At least one course selected from: CHE 490, 491, 492, (minimum of 2 credit hours total for any combination of 491 and 492 count as one course), 493, 436, 453, 455, 470 (minimum 2 credit hours total for any combination of CHE 470 courses, counts as one course); BIO 355, 392, 477, 479, 406; CSC 230, 330, 339, 427; STA 271, 351; MAT 310, 311, 345, 390, 394, 395; PHY 321, 323, 325, 327, 412, 413, 421, 426.