

Major: Chemistry - Career

FIRST YEAR - FALL	HRS
CHE 141 ^{F, S1} General Chemistry I with lab	4
MAT 121 Calculus w/ Analytical Geometry I	3
ENG 101 English Composition	3
BIO 111 ^F Biology I with lab or Elective	4
Core	3
Chapel (Freshman Experience)	<u>0</u>
	17

SECOND YEAR - FALL	HRS
CHE 303 ^{F, S1} Organic Chemistry I	3
CHE 313 ^{F, S1} Organic Chemistry II lab	2
CSC 115 ^{F, Sp} Technology Core	3
CHE 310 ^{F, Sp} Quantitative Chem. Analysis	4
Elective	4
Chapel	<u>0</u>
	16

THIRD YEAR - FALL	HRS
CHE 317 ^F Chemical Dynamics	4
PHY 252 ^F Fundamentals of Physics II	4
Core	<u>3</u>
	15

FOURTH YEAR - FALL	HRS
Advanced Chemistry Course	4
Biology, Physics or Math Group	4
General Elective	2
Core	<u>6</u>
	16

Advance Chemistry Courses

CHE 318 ^{Sp} Chemical Energetics	4
CHE 402 ^F Advanced Organic Chemistry	4
CHE 410 ^{Sp} Instrumental Analysis	4
CHE 411 ^{Sp} Advanced Inorganic Chemistry	3
CHE 415 Synthetic Inorganic Chemistry	3
CHE 417 ^{Sp} Theoretical Chemistry (Odd yrs.)	3
CHE 418 ^{F, S1} Biochemistry I: Metabolism	3
CHE 419 ^{Sp, S2} Biochemistry II: Metabolism	3
CHE 420 ^F Biochemistry I Laboratory	1
CHE 421 ^{Sp} Biochemistry II Laboratory	1
CHE 451 OR 452 ^{F, Sp, S1, S2} Ind. Studies and Research	3,3
CHE 361, 462, 463 ^{F, Sp, S1, S2} Honors Sequence *	1,2,3

FIRST YEAR - SPRING	HRS.
CHE 142 ^{Sp, S2} General Chemistry II with lab	4
MAT 122 Calculus w/ Analytical Geometry II	3
ENG 102 or 103 English Composition II	3
BIO 112 ^{Sp} Biology II with lab OR Elective	4
Core	3
Chapel	<u>0</u>
	17

SECOND YEAR - SPRING	HRS
CHE 304 ^{Sp, S2} Organic Chemistry II	3
CHE 314 ^{Sp, S2} Organic Chemistry II lab	2
PHY 251 ^{Sp} Fundamentals of Physics I	4
COM 203 or 304 Communication Requirement	3
Elective	4
Chapel	<u>0</u>
	16

THIRD YEAR - SPRING	HRS
Additional Chemistry or General Electives	14
Core	3
	17

FOURTH YEAR - SPRING	HRS
CHE 431 ^{Sp} Chemical Seminar	1
Biology, Physics or Math Group	4
General Elective	7
Core	<u>4</u>
	16

Math Courses

MAT 221 ^F Calculus with Analytical Geometry III	3
MAT 222 ^{Sp} Calculus w/ Analytical Geometry IV	3

Advance Physics Courses

PHY 301 Modern Physics	3
PHY 401 Quantum Physics	3
PHY 406 Electricity and Magnetism I	3
PHY 407 Electricity and Magnetism II	3

Key

F= Fall Semester

Sp = Spring Semester

S1 = First 5 week summer term

S2 = Second week summer term