



## Major: ACS Chemistry

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

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

SECOND YEAR - FALL	HRS
CHE 303 <sup>F, S1</sup> Organic Chemistry I	3
CHE 313 <sup>F, S1</sup> Organic Chemistry II lab	2
CHE 310 <sup>F, Sp</sup> Quantitative Chem. Analysis	4
CSC 115 <sup>F, Sp</sup> Technology Core	3
Math Course (See Below)	3
Core	1
Chapel	<u>0</u>
	16

SECOND YEAR - SPRING	HRS.
CHE 304 <sup>Sp, S2</sup> Organic Chemistry II	3
CHE 314 <sup>Sp, S2</sup> Organic Chemistry II lab	2
PHY 251 <sup>Sp</sup> Fundamentals of Physics II	4
CHE 211 <sup>Sp</sup> Invest. of Inorganic Chemistry	1
Math Course (See Below)	3
Communication Requirement (COM 203 or 304)	3
Chapel	<u>0</u>
	16

THIRD YEAR - FALL	HRS
CHE 317 <sup>F</sup> Chemical Dynamics	4
PHY 252 <sup>F</sup> Fundamentals of Physics II	4
Core	<u>7</u>
	15

THIRD YEAR - SPRING	HRS.
CHE 318 <sup>Sp</sup> Chemical Energetics	4
CHE 410 <sup>Sp</sup> Instrumental Analysis	4
Core	6
Chemistry Course or General Electives	<u>3</u>
	17

FOURTH YEAR - FALL	HRS
CHE 418 <sup>F, S1</sup> Biochemistry I: Metabolism	3
CHE 420 <sup>F</sup> Biochemistry I Laboratory	1
Advanced Chemistry Course	4
Chemistry Course or General Elective	2
Core	<u>6</u>
	16

FOURTH YEAR - SPRING	HRS.
CHE 411 <sup>Sp</sup> Advanced Inorganic Chemistry	3
CHE 431 <sup>Sp</sup> Chemical Seminar	1
Core	4
Chemistry Course or General Elective	<u>8</u>
	16

<u>Advanced Chemistry Course</u>	
CHE 402 <sup>F</sup> Advanced Organic Chemistry	4
CHE 417 <sup>Sp</sup> Theoretical Chemistry (Odd yrs.)	3
CHE 451 OR 452 <sup>F, Sp, S1, S2</sup> Ind. Studies and Research	3,3
CHE 361, 462, 463 <sup>F, Sp, S1, S2</sup> Honors Sequence	1,2,3

<u>Math Courses</u>	
MAT 221 <sup>F</sup> Calculus with Analytical Geometry III	3
MAT 353 <sup>F</sup> Intro. to Math Probability and Stat.	3
MAT 213 <sup>Sp</sup> Intro. To Linear Algebra (Odd yrs.)	3
MAT 222 <sup>Sp</sup> Calculus w/ Analytical Geometry IV	3

<u>Additional Chemistry Courses</u>	
CHE 415 Synthetic Inorganic Chemistry	
CHE 419 <sup>Sp, S2</sup> Biochemistry II: Metabolism	
CHE 421 <sup>Sp</sup> Biochemistry II Laboratory	

**Key**  
 F= Fall Semester  
 Sp = Spring Semester  
 S1 = First 5 week summer term  
 S2 = Second week summer term