



## Department of Chemistry – Bachelor of Science

<b>Freshman Year</b>			
<b>Semester 1</b>	<b>Credits</b>	<b>Semester 2</b>	<b>Credits</b>
ENG 101 English Composition I	4cr	ENG 102 English Composition II	4cr
MATH 192 Calculus	4cr	MATH 193 Calculus II	4cr
CHEM 105/1105 General Chemistry I Lecture + Lab	5cr	CHEM 106/1106 General Chemistry II Lecture + Lab 5	5cr
General Education Tier I	3cr	General Education Tier I	3cr
Total		Total	
16 credits		16 credits	
<b>Optional (Summer 1 and/or Summer 2)</b>			
<b>Sophomore Year</b>			
<b>Semester 1</b>	<b>Credits</b>	<b>Semester 2</b>	<b>Credits</b>
CHEM 207/2207 Organic Chemistry I Lecture + Lab	4cr	CHEM 208/2208 Organic Chemistry II Lecture + Lab	4cr
PHYS 130/1130 College Physics I Lecture + Lab	4cr	PHYS 131/1131 College Physics II Lecture + Lab	4cr
INTD 180 Computer Tools for Math and Science Majors	3cr	General Education Tier I	3cr
General Education Tier I	3cr	General Education Tier II	3cr
Total		Total	
14 credits		14 credits	
<b>Optional (Summer 1 and/or Summer 2)</b>			
<b>Junior Year</b>			
<b>Semester 1</b>	<b>Credits</b>	<b>Semester 2</b>	<b>Credits</b>
CHEM 205/2205 Analytical Chemistry I Lecture + Lab	5cr	CHEM 316/3316 Instrumental Analysis I Lecture + Lab	5cr
MATH 311 Differential Equations	4cr	CHEM307 Biochemistry I	4cr
General Education Tier II	3cr	General Education Tier II	3cr
General Education Tier II	3cr	Chemistry Elective	3cr
Total		Total	
15 credits		15 credits	
<b>Optional (Summer 1 and /or Summer 2)</b>			
<b>Senior Year</b>			
<b>Semester 1</b>	<b>Credits</b>	<b>Semester 2</b>	<b>Credits</b>
CHEM 305/3305 Physical Chemistry I Lecture + Lab	5cr	CHEM 306/3306 Physical Chemistry II Lecture + Lab	5cr
CHEM 416 Inorganic Chemistry	3cr	Chemistry Elective	3cr
CHEM 405 Seminar	1cr	General Education Tier II	3cr
General Education Tier II	3cr	General Education Tier III	3cr
Elective	3cr	Elective	3cr
Total		Total	
15 credits		15 credits	