

**B.S. in Chemistry, ACS-Certified Concentration**  
**Suggested Course Sequence for 8-semester plan**

**Freshman Year**

Fall		Spring	
<i>Course</i>	<i>Credits</i>	<i>Course</i>	<i>Credits</i>
CHEM 139* - General Chemistry I	4	CHEM 140* - Advanced General Chemistry	4
MATH 153 - Calculus I	4	MATH 255 - Calculus II	4
1 <sup>st</sup> yr. seminar or ENGL 101	3	1	

**Sophomore Year**

Fall		Spring	
<i>Course</i>	<i>Credits</i>	<i>Course</i>	<i>Credits</i>
CHEM 232* - Quantitative Analysis	4	CHEM 242* - Organic Chemistry II	4
CHEM 241* - Organic Chemistry I	4	PHYS 230* - General Physics I	4
MATH 256 - Calculus III	4	LS, elective or ENGL 202	3
LS, elective or ENGL 202	3	LS or elective	3
<i>total</i>	15	<i>total</i>	14

**Junior Year**

Fall		Spring	
<i>Course</i>	<i>Credits</i>	<i>Course</i>	<i>Credits</i>
CHEM 321 - Inorganic Chemistry	3	CH	
		LS or elective	3
<i>total</i>	15	<i>total</i>	16

**Senior Year**

Fall		Spring	
<i>Course</i>	<i>Credits</i>	<i>Course</i>	<i>Credits</i>
CHEM 435* - Instrumental Analysis II	3	CHEM 361 - Principles of Biochemistry	3
CHEM 453 - Physical Chemistry II	3	CHEM 371* - Chemical Dynamics	2
CHEM 472* - Chemical Syntheses	2	CHEM 475* - Biochemistry Laboratory	1
LS or elective	3	LS or elective	3
LS or elective	3	LS or elective	3
LS or elective	3	LS or elective	3
<i>total</i>	17	<i>total</i>	15

\* This course has a laboratory component.

\*\* LS = liberal studies course

