

**BACHELOR OF SCIENCE IN CHEMISTRY  
ENVIRONMENTAL CHEMISTRY OPTION  
RECOMMENDED PROGRAM**

<b>FIRST SEMESTER</b>				<b>SECOND SEMESTER</b>			
CHEM	111	Intro Chem I	4.0	CHEM	112	Intro Chem II	4.0
CHEM	188	Freshman Seminar	1.0	CHEM	251	Inorganic	3.0
ENGL	110	English Composition	3.0	MATH	211	Calculus II	4.0
MATH	161	Calculus I	4.0	WELL	175	Wellness Course	<u>3.0</u>
_____	_____	Humanities Course #1	<u>3.0</u>			<i>TOTAL S.H.</i>	14.0
		<i>TOTAL S.H.</i>	15.0				
<b>THIRD SEMESTER</b>				<b>FOURTH SEMESTER</b>			
CHEM	231	Organic I	4.0	CHEM	232	Organic II	4.0
COMM	100	Communication	3.0	CHEM	265	Quantitative Analysis	4.0
PHYS	231	Physics I	5.0	PHYS	232	Physics II	<u>5.0</u>
MATH	311	Calculus III	<u>4.0</u>			<i>TOTAL S.H.</i>	13.0
		<i>TOTAL S.H.</i>	16.0				
<b>FIFTH SEMESTER</b>				<b>SIXTH SEMESTER</b>			
CHEM	341	Physical Chem I	4.0	CHEM	342	Physical Chem II	4.0
CHEM	375	Environmental I	4.0	CHEM	476	Environmental II	4.0
ENGL	3XX	Advanced Writing	3.0	_____	_____	Required Related **	3.0-4.0
_____	_____	Humanities Course #2	3.0	_____	_____	Social Sciences Course #2	<u>3.0</u>
_____	_____	Social Sciences Course #1	<u>3.0</u>			<i>TOTAL S.H.</i>	14.0-15.0
		<i>TOTAL S.H.</i>	17.0				
<b>SEVENTH SEMESTER</b>				<b>EIGHTH SEMESTER</b>			
CHEM	_____	Chemistry Elective *	4.0	CHEM	465	Analytical Chemistry	4.0
CHEM	487	Chemistry Seminar	0.5	CHEM	488	Chemistry Seminar	0.5
CHEM	498	Intro to Research	1.0	_____	_____	C&E Course #4	3.0
_____	_____	Required Related **	3.0-4.0	_____	_____	Required Related **	3.0-4.0
_____	_____	Humanities Course #3	3.0	_____	_____	Perspectives Course	<u>3.0</u>
_____	_____	Social Science Course #3	3.0			<i>TOTAL S.H.</i>	13.5-14.5
_____	_____	C&E Course #1	<u>3.0</u>				
		<i>TOTAL S.H.</i>	17.5-18.5				

**COMMENTS, NOTES OR RECOMMENDATIONS:**

\* Biochemistry I (CHEM 326) is a recommended elective by the ACS for the Environmental Chemistry Option.

\*\*Select 3 courses from the following: BIOL 241, Principles of Ecology; ESCI 245, Environmental Meteorology; ESCI 426, Groundwater Geology; GEOG 202, Resources & the Environment; or OSEH 321, Environmental & Industrial Hygiene I.

1. Connections & Exploration (C&E) courses #1 and #4 can be satisfied with any approved GenEd course.
2. Cultural Diversity & Community (D) course may be satisfied with approved courses from the GenEd requirements (including Perspectives), the major, the minor, the required related area, or general electives.

The American Chemical Society (ACS) and the Chemistry Department strongly recommend an Introductory Economics course (ECON 100, for example) among the Social Science (G3) electives and Elementary Foreign Language (FORL 101 and 102) among the Humanities (G1) electives. ENGL 312 (Technical Writing) is highly recommended. 11/10