

<b>B.S. in Chemistry and a Concentration in Advanced Chemistry (American Chemical Society Approved Program)*</b>		
<b>MAJOR REQUIREMENTS/CHEMISTRY: 49 Credits</b>		<b>Credits</b>
	CE111: General Chemistry I	3.0
	CE111L: General Chemistry I Lab	1.0
	CE112: General Chemistry II	3.0
	CE112L: General Chemistry II Lab	1.0
	CE221: Quantitative Analysis	2.0
	CE221L: Quantitative Analysis Lab	2.0
	CE241: Organic Chemistry I	3.0
	CE241L: Organic Chemistry I Lab	2.0
	CE242: Organic Chemistry II	3.0
	CE242L: Organic Chemistry II Lab	2.0
	CE310: Biochemistry and Lab	4.0
	CE311: Chemical Literature	1.0
	CE322: Instrumental Analysis	3.0
	CE371: Physical Chemistry: Thermodynamics, Dynamics, & The Solid State	3.0
	CE371L: Physical Chemistry: Thermodynamics, Dynamics, & The Solid State Lab	1.0
	CE372: Physical Chemistry: Intro. To Spectroscopy and Quantum Chemistry	3.0
	CE372L: Physical Chemistry: Intro. To Spectroscopy and Quantum Chemistry Lab	1.0
	CE401: Advanced Inorganic Chemistry	3.0
	CE401L: Advanced Inorganic Chemistry Lab	1.0
	CE410: Seminar	1.0
	CE452: Advanced Organic Chemistry	3.0
	CExxx: 3 credit 400-Level Elective (except CE499)	3.0
<b>REQUIREMENTS OUTSIDE OF MAJOR: 18 Credits</b>		
	MA125: Calculus with Analytic Geometry I	4.0
	MA126: Calculus with Analytic Geometry II	4.0
	PH211: General Physics and Calculus I	4.0
	PH211L: General Physics with Calculus I Lab	1.0
	PH212: General Physics with Calculus II	4.0
	PH212L: General Physics with Calculus II Lab	1.0
<b>FREE ELECTIVES: 19 Credits</b>		<b>Credits</b>
	_____	
	_____	
	_____	
	_____	
* Students who complete this program will have their degree certified by the American Chemical Society.		

B.S. in Chemistry and a Concentration in Advanced Chemistry (American Chemical Society Approved Program)*		
GENERAL EDUCATION REQUIREMENTS: 42 Credits		Credits
English	EN101: College English I	3.0
	EN102: College English II	3.0
Literature	EN201: Literature I	3.0
	EN202: Literature II	3.0
History	HS101: Western Civilization In World Perspective I	3.0
	HS102: Western Civilization In World Perspective II	3.0
Information Technology	IT102: Information Technology for Scientists	3.0
Critical Discourse	HU201: Critical Discourse	3.0
Science	Fulfilled in Major Requirements	0.0
Mathematics	Fulfilled in Requirements Outside Major	0.0
Social Science	Choose two courses from 2 different disciplines from among the following any 100-level courses in AN, GO, PS, PY, SO; BE201, BE202, GS225.	3.0
		3.0
Aesthetics	AR101: Art Appreciation	3.0
	or MU101: Music Appreciation	
	or TH101: Theater Appreciation	
	or DA101: Dance Appreciation	
Cross Cultural	Two courses chosen from the set of approved courses	3.0
	or 6 credits in the same foreign language	3.0
Perspectives	PRxxx	3.0
Experiential Education	EX001	0.0
Demonstration of Writing Proficiency	WP001	0.0
Writing Intensive Requirement	Two courses as specified by the department in which the major is housed.	0.0
		0.0
<b>TOTAL CREDITS FOR B.S. IN CHEMISTRY AND A CONCENTRATION IN ADVANCED CHEMISTRY = 128.0</b>		

**NOTES:**

\* 58 credits must be completed at the 200 level or higher.