

B.S. in Chemistry with American Chemical Society Certification

REQUIREMENTS

A. Major Field = 45 or 46 credit hours

<u>Course</u>	<u>Title</u>	<u>Year</u>	<u>Pre(co)requisite</u>	<u>Hours</u>
Chem 111	General Chemistry I	1	H.S. chem	4
Chem 112	General Chemistry II	1	Chem 111	4
Chem 221	Organic Chemistry I	2	Chem 112	4
Chem 322	Organic Chemistry II	2	Chem 221	4
Chem 241	Descriptive Inorganic Chem	2 or 3	Chem 111-112	2
Chem 242	Inorganic Chemistry Lab	3 or 4	Chem 241	1
Chem 342	Theories of Inorganic Chem	4	Chem 352	3
Chem 351	Physical Chemistry I	3	Phys 204, Chem 361 Math 276	4
Chem 352	Physical Chemistry II	3	Phys 204, Chem 351	4
Chem 353	Physical Chemistry III	4	Chem 352, Diff. Eqn. rec.	3
Chem 361	Analytical Chemistry I	3 or 4	Phys 203, Chem 322	4
Chem 362	Analytical Chemistry II	3 or 4	Chem 361, Chem 352	4
Chem 398	Undergrad seminar	4	Chem 352	1
One biochemistry course — choose one of the following two:				
Chem 331	Biochemistry I	3 or 4	Chem 322	4
Chem 333	Macromolecular Biochemistry	3 or 4	Chem 322	3

Select a minimum of 6 s.h. from the following advanced chemistry courses. At least one must be a laboratory course.

Chem 323	Advanced Organic Chem (lab)	3 or 4	Chem 322	3
Chem 324	Physical Organic Chem	3 or 4	Chem 322, 352	3
Chem 332	Biochemistry II (lab)	3 or 4	Chem 331	4
Chem 363	Adv Instru. Methods (lab)	4	Chem 322, 362	3
Chem 399	Independent Study in Chem (lab)	2-4	Permission	1-3

B. Related Work: Total = 23 credit hours

Math 173	Calculus I	1	Math 105 or H.S. Math	4
Math 174	Calculus II	1	Math 173	4
Math 276	Calculus III	2	Math 174	4
Phys 203	General Physics I	2	(Math 173)	4
Phys 204	General Physics II	2 or 3	Phys 203 (Math 174)	4
Selection in Biology, Astronomy, or Earth Science				3

C. Remaining degree requirements

When completing the general education requirements, the student is encouraged to take electives in statistics and computer science, if possible.