

Chemistry - Biochemistry - Minor in Biology - Certified by the American Chemical Society, B.S.

This program qualifies a graduate for certification to the American Chemical Society as a chemist meeting the professional standards of that organization. Consult departmental chair for information on minor programs.

Course	Title	Semester Credit Hours
Freshman Year		
Semester 1		
BIOL 1306 & BIOL 1106	Biology for Science Majors I and Biology for Science Maj Lab I	4
CHEM 1311 & CHEM 1111	General Chemistry I and General Chemistry I Lab	4
Rhetoric & Composition		3
MATH 2413	Calculus I	4
UNIV 1201	Learning in Global Context	2
Semester Credit Hours		17
Semester 2		
CHEM 1312 & CHEM 1112	General Chemistry II and General Chemistry II Lab	4
Rhetoric & Composition		3
MATH 2414	Calculus II	4
Communication		3
Semester Credit Hours		14
Sophomore Year		
Semester 1		
BIOL 1307 & BIOL 1107	Biology for Science Majors II and Biology for Science Maj Lab II	4
CHEM 3323 & CHEM 3123	Organic Chemistry I and Organic Chemistry Lab I	4
Government/Political Science		3
PHYS 1301 & PHYS 1101	College Physics I and Coll Physics I Laboratory	4
Semester Credit Hours		15
Semester 2		
CHEM 3181	Chemical Literature	1
CHEM 3325 & CHEM 3125	Organic Chemistry II and Organic Chemistry Lab II	4
American History		3
Government/Political Science		3
PHYS 1302 & PHYS 1102	College Physics II and College Physics II Lab	4
Semester Credit Hours		15
Junior Year		
Semester 1		
CHEM 2401	Inorg Quantitative Analysis	4
CHEM 3331	Physical Chemistry I	3
CHEM 4341	Biochemistry I	3
American History		3
Lang/Phil/Culture		3
Semester Credit Hours		16

Semester 2

BIOL 2421	Elementary Microbiology	4
CHEM 3332	Physical Chemistry II	3
CHEM 4342	Biochemistry II	3
STAT 4301	Biostatistics	3
Semester Credit Hours		13

Senior Year**Semester 1**

BIOL 3402	Genetics	4
CHEM 4111	Adv Inorganic Chemistry Lab	1
CHEM 4131	Physical Chem Measurements I	1
CHEM 4311	Advance Inorganic Chemistry	3
Creative Arts		3
Social/Behavioral		3
Semester Credit Hours		15

Semester 2

BIOL 4426	Cellular Physiology	4
CHEM 4132	Physical Chem Measurements II	1
CHEM 4181	Chemical Seminar	1
CHEM 4401	Mod Meth of Instrumental Anal	4
BIOL, adv.		4
Elective		1
Semester Credit Hours		15

Total Credit Hours Required:	120
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