

## Degree Requirements - Chemistry BS Biochemistry Concentration

### Major Requirements (72 hours required)

CHEM 211, 212 (4,4) *	General Chemistry I and II	8
CHEM 313, 314 (3,3)	Organic Chemistry I and II	6
CHEM 315, 318 (2,2)	Organic Chemistry Lab I and II	4
CHEM 321	Elementary Quantitative Analysis	4
CHEM 331	Physical Chemistry I	3
CHEM 336	Physical Chemistry Lab I	2
CHEM 446	Bioinorganic Chemistry	3
CHEM 463	Biochemistry I	4
CHEM 464	Biochemistry II	3
CHEM 465	Biochemistry Laboratory	2
	Total	39

MATH 113, 114 (4,4) **	Analytic Geometry and Calculus I and II	8
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PHYS 243, 245 (3,3)	College Physics I and II	6
PHYS 244, 246 (1,1)	College Physics Lab I and II	2

Or

PHYS 160, 260 (3,3)	University Physics I and II	6
PHYS 161, 261 (1,1)	University Physics Laboratory I and II	2

BIOL 213	Cell Structure and Function	4
BIOL 305	Biology of Microorganisms	3
BIOL 306	Biology of Microorganisms Laboratory	1
CHEM or BIOL Electives	CHEM or BIOLor permission to instructor	9
	Total	33

\*satisfies Natural Science requirement

\*\*satisfies Quantitative Reasoning requirement

## General Education (30 Hours)

Written Communication	ENGL 101, 302(3,3)	6
Oral Communication	COMM 100,101, or 104	3
Literature (view list)		3
Information Technology	IT 103	3
Western Civilization	HIST 100	3
Fine Arts		3
Social/Behavioral Science (view list)		3
Global Understanding (view list)		3
Synthesis (view list)		3
	<b>Total</b>	<b>30</b>

Electives (18):

Upper division hours  $\geq$  45

Minimum Hours to Graduate: 120