

Chemistry: Biochemistry

Degree Type

Bachelor of Science

Division Dean: Bret Clark, Ph.D.

Department Chair: Steve Lambert, Ph.D.

Associate Professor: Steve Lambert, Ph.D.

Assistant Professor: Daisy Bourassa-Dowd, Ph.D., Peter Foster, Ph.D.

Adjunct Faculty: James Chocklett, M.S., Ernest Lyerly, B.S.

Requirements for the **Major in Chemistry** with a concentration in **Biochemistry** (not including General Education Core).

Requirements for the Major

Item #	Title	Credits
CHE 113	General Chemistry I	4
CHE 114	General Chemistry II	4
CHE 211	Laboratory Safety	1
CHE 231	Organic Chemistry I	3
CHE 241	Organic Chemistry Laboratory I	2
CHE 232	Organic Chemistry II	3
CHE 242	Organic Chemistry Laboratory II	2
CHE 301	Biochemistry I	4
CHE 321	Analytical Chemistry I	4
CHE 375	Inorganic Chemistry	4
CHE 401	Advanced Biochemistry and Molecular Biology	4
CHE 445	Physical Chemistry I	4

One course from below

Item #	Title	Credits
CHE 322	Analytical Chemistry II	4
CHE 330	Environmental Chemistry	4
CHE 375	Inorganic Chemistry	4
CHE 446	Physical Chemistry II	3
CHE 480	Special Topics in Chemistry	3-4

Capstone

Item #	Title	Credits
CHE 481	Junior Seminar	1
CHE 482	Seminar	1
CHE 483	Senior Capstone	1

Choose one Experiential course

Item #	Title	Credits
CHE 391	Investigative Chemistry	2
CHE 491	Research in Chemistry	2-6
CHE 495	Internship	2-4

Additional (Ancillary) Coursework:

Item #	Title	Credits
BIO 121	Biological Science	4
MAT 211	Calculus I—Differential Calculus	4
MAT 212	Calculus II--Integral Calculus	4
PHY 213	Physics for Science and Engineering Students I	4
PHY 214	Physics for Science and Engineering Students II	4
BIO 331	Cell Biology	4
	Total Credits	72