



Recommended Course Sequence Bachelor of Science in Chemistry: Biochemistry (0427)

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
CHEM 240 Principles Chem. I (4 Credits)	CHEM 241 Principles Chem. II (CHEM 240; 4 Credits)	CHEM 330 Organic Chemistry I (CHEM 241; 4 Credits)	CHEM 331 Organic Chemistry II (CHEM 330; 4 Credits)	CHEM 341 Biochemistry (CHEM 331; 4 Credits)	CHEM 541 Adv. Biochemistry (CHEM 341; 4 Credits)	CHEM 530 Physical Chemistry I (CHEM 310 and MATH 212; 4 Credits)	CHEM 531 Physical Chemistry II (CHEM 530; 4 Credits)
BIOL 103 Principles of Biology (4 Credits)	PHYS 320 University Physics I (PHYS 150; 4 Credits)	PHYS 321 University Physics II (PHYS 320; 4 Credits)	CHEM 310 Quantitative Analysis (CHEM 241; 4 Credits)	BIOL 300 Genetics (4 Credits)	CHEM 490 Independent Study Chemistry (1 credit)	CHEM 450 Instrumental Analysis (CHEM 310; 5 Credits)	BIOL 409 Molecular Biology/ Genomics (BIOL 103 and BIOL 300 or BIOL 305; 4 Credits)
MATH 211 Analytical Geometry and Calculus I (4 Credits)	PHYS 322 Physical Measurements Laboratory I (Co-Requisite PHYS 320; 1 Credit)	PHYS 323 Physical Measurements Laboratory II (Co-Requisite PHYS 321; 1 Credit)	CHEM 280 Laboratory Safety (1 Credit)	One General Education Core Class	BIOL 305 Cell and Molecular Biology (4 Credits)	One General Education Core Class	One General Education Distribution Class
One General Education Core Class	MATH212 Analytical Geometry and Calculus II (MATH 211; 4 Credits)	Free Elective	Free Elective	Free Elective (4 cr.)	One General Education Core Class	One General Education Distribution Class	Free Elective (4 cr.)
ENGL 101 College Writing Skills (ENGL 010 or Placement Test)	ENGL 102 Writing and Research Skills (ENGL 101 or Competency)	One General Education Core Class	One General Education Core Class				

 General Education Requirements

 Specialization in Chemistry

 Free Electives

 Required Supporting Courses