


Recommended Course Sequence Bachelor of Science in Chemistry (0478)

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 530 Physical Chemistry I (CHEM 310 and MATH 212; 4 Credits)	CHEM 531 Physical Chemistry II (CHEM 530; 4 Credits)	CHEM 421 Adv. Organic Chemistry (CHEM 331)	CHEM 420 Inorganic Chemistry (CHEM 531)
MATH 211 Analytical Geometry and Calculus I (4 Credits)	MATH212 Analytical Geometry and Calculus II (MATH 211; 4 Credits)	PHYS 321 University Physics II (PHYS 320; 4 Credits)	CHEM 310 Quantitative Analysis (CHEM 241; 4 Credits)	CHEM 381 Searching Scientific Literature (1 Credit)	CHEM 533 Polymer Chem. (CHEM 331 and CHEM 530)	CHEM 450 Instrumental Analysis (CHEM 310; 5 Credits)t	CHEM 481 Seminar (CHEM 381; 1 Credit)
Free Elective (Recommended PHYS 150 Physics Orientation If needed)	PHYS 320 University Physics I (Distribution 3) (PHYS 150; 4 Credits)	PHYS 323 Physical Measurements Laboratory II (Co-Requisite PHYS 321; 1 Credit)	CHEM 280 Laboratory Safety (1 Credit)	CHEM 341 Biochemistry (CHEM 331; 4 Credits)	One General Education Core Class	One General Education Core Class	CHEM 490 Independent Study in Chemistry (2 Credits)
One General Education Core Class	PHYS 322 Physical Measurements Laboratory I (Co-Requisite PHYS 320; 1 Credit)	FREN 101, GERM101, or RUSS 101 (Core 5)	BIOL 150 Principles of Biology (Core 7)	One General Education Core Class	One General Education Distribution Class	One General Education Distribution Class	CHEM 535 Adv. Chemistry Lab (CHEM 310 and CHEM 530; 1 credit)
ENGL 101 College Writing Skills (ENGL 010 or Placement Test)	ENGL 102 Writing and Research Skills (ENGL 101 or Competency)	MATH260 Elements of Statistics	MATH 311, MATH 317, or CSCI 303	One General Education Core Class	Free Elective	Free Elective	

 General Education Requirements

 Specialization in Chemistry

 Free Electives

 Required Supporting Courses