



## 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
<b>CHEM 240</b> Principles Chem. I (4 Credits)	<b>CHEM 241</b> Principles Chem. II (CHEM 240; 4 Credits)	<b>CHEM 330</b> Organic Chemistry I (CHEM 241; 4 Credits)	<b>CHEM 331</b> Organic Chemistry II (CHEM 330; 4 Credits)	<b>CHEM 530</b> Physical Chemistry I (CHEM 310 and MATH 212; 4 Credits)	<b>CHEM 531</b> Physical Chemistry II (CHEM 530; 4 Credits)	<b>CHEM 421</b> Adv. Organic Chemistry (CHEM 331)	<b>CHEM 420</b> Inorganic Chemistry (CHEM 531)
<b>MATH 211</b> Analytical Geometry and Calculus I (4 Credits)	<b>MATH212</b> Analytical Geometry and Calculus II (MATH 211; 4 Credits)	<b>PHYS 321</b> University Physics II (PHYS 320; 4 Credits)	<b>CHEM 310</b> Quantitative Analysis (CHEM 241; 4 Credits)	<b>CHEM 381</b> Searching Scientific Literature (1 Credit)	<b>CHEM 533</b> Polymer Chem. (CHEM 331 and CHEM 530)	<b>CHEM 450</b> Instrumental Analysis (CHEM 310; 5 Credits)t	<b>CHEM 481</b> Seminar (CHEM 381; 1 Credit)
<b>One General Education Core Class</b>	<b>PHYS 320</b> University Physics I (PHYS 150; 4 Credits)	<b>PHYS 323</b> Physical Measurements Laboratory II ( Co-Requisite PHYS 321; 1 Credit)	<b>CHEM 280</b> Laboratory Safety (1 Credit)	<b>CHEM 341</b> Biochemistry (CHEM 331; 4 Credits)	<b>One General Education Core Class</b>	<b>Free Elective</b>	<b>CHEM 490</b> Independent Study in Chemistry (2 Credits)
<b>One General Education Core Class</b>	<b>PHYS 322</b> Physical Measurements Laboratory I (Co-Requisite PHYS 320; 1 Credit)	<b>FREN 101, GERM101, or RUSS 101</b>	<b>BIOL 103</b> Principles of Biology	<b>One General Education Core Class</b>	<b>One General Education Distribution Class</b>	<b>One General Education Distribution Class</b>	<b>CHEM 535</b> Adv. Chemistry Lab (CHEM 310 and CHEM 530; 1 credit)
<b>ENGL 101</b> College Writing Skills (ENGL 010 or Placement Test)	<b>ENGL 102</b> Writing and Research Skills (ENGL 101 or Competency)	<b>MATH260</b> Elements of Statistics	<b>MATH 311, MATH 317, or CSCI 303</b>	<b>One General Education Core Class</b>	<b>Free Elective</b>		<b>Free Elective</b>

 General Education Requirements

 Specialization in Chemistry

 Free Electives

 Required Supporting Courses