

“Typical” Chronology: BS Chemistry

Freshman Year			
Fall Semester		Spring Semester	
	CHEM 1145 Principles of Chemistry I (4 hrs.)	CHEM 1146 Principles of Chemistry II (4 hrs.)	
	ENGL 1101 English Composition I (3 hrs.)	ENGL 1102 English Composition II (3 hrs.)	
	MATH 1112 Trigonometry (3 hrs.)	MATH 1441 Calculus I (4 hrs.)	
	FYE 1220 First-Year Seminar (2 hr.)	HLTH 1520 Healthful Living (2 hrs.)	
	HIST 2110 US History (3 hrs.)	HIST 1112 World History II (3 hrs.)	
Total Hours = 15		Total Hours = 16	

Sophomore Year			
Fall Semester		Spring Semester	
	CHEM 3341 Organic Chemistry I (4 hrs.)	CHEM 3342 Organic Chemistry II (4 hrs.)	
	CHEM 2031 Research Methods (3 hrs.)	ECON 2105 Economics in a Global Society (3 hrs.)	
	CHEM 2242 Analytical Chemistry (4 hrs.)	AREA C Humanities Elective (3 hrs.)	
	MATH 2242 Calculus II (4 hrs.)	IDS 2210 Turning Pts & Connections (1 hr.)	
	KINS (1 hr.)	CHEM 4890 Research Experience (1 hr.)	
		General Elective (3 hrs.)	
Total Hours = 16		Total Hours = 15	

Junior Year			
Fall Semester		Spring Semester	
	CHEM 5541 Biochemistry I (4 hrs.)	CHEM 3610 Junior Seminar (1 hr.)	
	CHEM 4890 Research Experience (1 hr.)	CHEM ELECTIVE (4 hrs.)*	
	CHEM 4241 Instrumental Analysis (4 hrs.)	CHEM 4890 Research Experience (1 hr.)	
	PHYS 2211/1113 Prin. of Physics I w Lab (4 hrs.)	PHYS 2212/1114 Prin. of Physics II w Lab (4 hrs.)	
	AREA E Social Science Elective (3 hrs.)	POLS 1101 American Government (3 hrs.)	
		General Elective (3 hrs.)	
Total Hours = 16		Total Hours = 16	

Senior Year			
Fall Semester		Spring Semester	
	CHEM 3441 Physical Chemistry I (4 hrs.)	CHEM 3442 Physical Chemistry II (4 hrs.)	
	CHEM 4611 Senior Seminar (1 hr.)	CHEM 3140 Adv. Inorganic Chemistry (4 hrs.)	
	CHEM 4890 Research Experience (1 hr.)	CHEM ELECTIVE (4 hrs.)*	
	AREA D Environmental Science (4 hrs.)	General Elective (3 hrs.)	
	ENGL 2111 or 2112 World Literature (3 hrs.)	KINS (1 hr.)	
	General Elective (3 hrs.)		
Total Hours = 16		Total Hours = 16	

Chemistry Elective Courses (11 hrs required) – Must take at least two of the starred (*) courses

- *CHEM 4242 Electrochemical Analysis (4 hrs.)
- *CHEM 4243 Principles of Chemical Separations (4hrs.)
- *CHEM 4244 Advanced NMR Spectroscopy (4 hrs.)
- *CHEM 4331 Advanced Organic Chemistry (3 hrs.)
- *CHEM 4332 Principles of Drug design (3 hrs.)
- *CHEM 5243 Environmental Chemistry (4 hrs.)
- *CHEM 5542 Biochemistry II (4 hrs.)
- CHEM 3010 Scientific Glassblowing (1 hr.)
- CHEM 3790 Teaching Internship (1 hr.)
- CHEM 4790 Chemistry Internship (1-4 hrs.)
- CHEM 4890 Chemical Research Experience (1-4 hrs.)