

“Typical” Chronology: BS Chemistry

Updated Aug. 2009

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.)	ECON 2105 Economics in a Global Society (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 2242 Analytical Chemistry (4 hrs.)	CHEM 2030 Principles of Chem. Research (3 hrs.)	
	MATH 2242 Calculus II (4 hrs.)	AREA C Humanities Elective (3 hrs.)	
	AREA E Social Science Elective (3 hrs.)	HIST 1112 World History II (3 hrs.)	
	KINS (1 hr.)	ENGL 2111 or 2112 World Literature (3 hrs.)	
		CHEM 4890 Research Experience (1 hr.)	
Total Hours = 16		Total Hours = 17	

Junior Year			
Fall Semester		Spring Semester	
	CHEM 5541 Biochemistry I (4 hrs.)	CHEM ELECTIVE – choose from list (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.)	
	CHEM 4890 Research Experience (1 hr.)	POLS 1101 American Government (3 hrs.)	
	General Elective (3 hrs.)	General Elective (3 hrs.)	
Total Hours = 16		Total Hours = 15	

Senior Year			
Fall Semester		Spring Semester	
	CHEM 3441 Physical Chemistry I (4 hrs.)	CHEM 3442 Physical Chemistry II (4 hrs.)	
	CHEM 4890 Research Experience (1 hr.)	CHEM 3140 Adv. Inorganic Chemistry (4 hrs.)	
	AREA D Environmental Science (4 hrs.)	KINS (1 hr.)	
	CHEM ELECTIVE – choose from list (3 hrs.)*	General Elective (3 hrs.)	
	IDS 2210 Turning Pts & Connections (1 hr.)	General Elective (3 hrs.)	
	General Elective (3 hrs.)		
Total Hours = 16		Total Hours = 15	

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

- | | |
|--|--|
| <ul style="list-style-type: none"> *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 4333 Carbohydrate Chemistry (3hrs) *CHEM 5243 Environmental Chemistry (4 hrs.) *CHEM 5531 Bioinorganic Chemistry *CHEM 5542 Biochemistry II (4 hrs.) | <ul style="list-style-type: none"> CHEM 3010 Scientific Glassblowing (1 hr.) CHEM 3790 Teaching Internship (1 hr.) CHEM 4790 Chemistry Internship (1-4 hrs.) CHEM 4890 Chemical Research Exp. (1-4 hrs.) |
|--|--|