

B.S. CHEMISTRY—PRE MED OPTION SAMPLE CURRICULUM

→ FRESHMAN YEAR

FALL			SPRING		
CHEM 111/111L	<i>General Chemistry I and Lab</i>	4	CHEM 112/112L	<i>General Chemistry II and Lab</i>	5
MATH 170	<i>Calculus I</i>	4	MATH 175	<i>Calculus II</i>	4
ENGL 102	<i>Writing and Rhetoric</i>	3	BIOL 115/115L	<i>Cells and the Evolution of Life and Lab</i>	4
CS 112	<i>Computational Thinking and Prob. Solv.</i>	3	ECON 201	<i>Princ. of Macroeconomics (Soc. Sci. 1 of 2)</i>	3
ART 100	<i>Intro. to Art (Hum. 1 of 2)</i>	3			
Semester total:			17	Semester total:	
				16	

→ SOPHOMORE YEAR

FALL			SPRING		
★CHEM 253/254	<i>Quantitative Analysis and Lab</i>	5	◆CHEM 372/374	<i>Organic Chemistry II and Lab</i>	4
CHEM 277/278	<i>Organic Chemistry I and Lab</i>	4	PHYS 211/211L	<i>Engineering Physics I and Lab</i>	4
MATH 275	<i>Calculus III</i>	3	STAT 251	<i>Statistical Methods (Elec.)</i>	3
COMM 101	<i>Fundamentals of Oral Communication</i>	3	ENGL 202	<i>Technical Writing I (Elec.)</i>	3
Semester total:			15	Semester total:	
				14	

→ JUNIOR YEAR

FALL			SPRING		
★CHEM 305/307	<i>Physical Chemistry I and Lab</i>	4	◆CHEM 306/308	<i>Physical Chemistry II and Lab</i>	4
PHYS 212/212L	<i>Engineering Physics II and Lab</i>	4	FLEN 307	<i>Institutions of the European Union (Int.)</i>	3
★BIOL 250/255	<i>General Microbiology and Lab (Elec.)</i>	5	PHIL 351	<i>Philosophy of Science (Hum. 2 of 2)</i>	3
CHEM 491	<i>Research (Elec.)</i>	2	ANTH 261	<i>Language and Culture (Soc. Sci. 2 of 2)</i>	3
Semester total:			15	Semester total:	
				15	

→ SENIOR YEAR

FALL			SPRING		
★CHEM 473	<i>Intermed. Organic Chemistry</i>	3	◆CHEM 472	<i>Medicinal Chemistry</i>	3
CHEM 409	<i>Proseminar</i>	1	◆CHEM 454	<i>Instrumental Analysis</i>	4
★BIOL 380/382	<i>Biochemistry I and Lab</i>	6	POLS 333	<i>American Political Culture (Am. Div.)</i>	3
★BIOL 227	<i>Anatomy and Physiology I (Elec.)</i>	4	◆BIOL 228	<i>Anatomy and Physiology II (Elec.)</i>	4
Semester total:			14	Semester total:	
				14	

NOTES

- This sample curriculum totals 120 credits (the required number to graduate).
- Courses listed in red are required.
- Courses listed in blue are required but have alternatives to choose from (e.g., ART 101 is one of any number of courses that will count toward the fulfillment of the "Humanistic and Artistic Ways of Knowing" requirement).
- Courses in black are "free" electives taken only for their credit contribution to the 120 required to graduate. As such, they can be any course of your choosing (i.e., any discipline, any level).
- Courses labeled with a star (★) are only offered in the fall.
- Courses labeled with a diamond (◆) are only offered in the spring.