

SAMPLE CURRICULUM FOR B.S. CHEMISTRY (GENERAL OPTION)

Note that the General option is designed for people who are planning to work in a job or field that is *related* to chemistry, such as sales, law, or teaching—in such positions, chemistry would not be the major focus. This option allows a more diverse study plan with more courses that can be chosen by the student (these are listed as “electives” in the sample curriculum below) to suit their additional interest (e.g., education, business, etc.).

→ FRESHMAN YEAR

FALL			SPRING		
CHEM 111	<i>Principles of chemistry I (incl. lab)</i>	4	CHEM 112	<i>Principles of chemistry II (incl. lab)</i>	5
MATH 170	<i>Calculus I</i>	4	MATH 175	<i>Calculus II</i>	4
ISEM 101	<i>Integrated seminar</i>	3	ART 202	<i>Early modern art (Hum.)</i>	3
ENGL 102	<i>College writing and rhetoric</i>	3	ENGL 317	<i>Technical writing (Comm.)</i>	3
CS 112	<i>Intro to problem solving and programming</i>	3			
Semester total:			Semester total:		
17			15		

→ SOPHOMORE YEAR

FALL			SPRING		
★CHEM 253	<i>Quantitative analysis</i>	3	◆CHEM 372/374	<i>Organic chemistry II with lab</i>	4
CHEM 254	<i>Quantitative analysis lab</i>	2	PHYS 211	<i>Engineering physics I (incl. lab)</i>	4
CHEM 277/278	<i>Organic chemistry I with lab</i>	4	ANTH 220	<i>Peoples of the world (Soc. Sci.)</i>	3
MATH 275	<i>Calculus III</i>	3		<i>Elective</i>	3
	<i>Elective</i>	3			
Semester total:			Semester total:		
15			14		

→ JUNIOR YEAR

FALL			SPRING		
★CHEM 305/307	<i>Physical chemistry I with lab</i>	4	◆CHEM 306/308	<i>Physical chemistry II with lab</i>	4
PHYS 212	<i>Engineering physics II (incl. lab)</i>	4	FLEN 307	<i>The European Union (Int.)</i>	3
PHIL 351	<i>Philosophy of science (Hum.)</i>	3	ISEM 301	<i>Integrated Seminar</i>	3
	<i>Elective</i>	3	POLS 333	<i>American Political Culture (Am. Div.)</i>	3
				<i>Elective</i>	3
Semester total:			Semester total:		
14			16		

→ SENIOR YEAR

FALL			SPRING		
★CHEM 409	<i>Proseminar (Sen. Exp.)</i>	1	ECON 202	<i>Principles of economics II (Soc. Sci.)</i>	3
ECON 201	<i>Principles of economics I (Soc. Sci.)</i>	3		<i>Elective</i>	3
	<i>Elective</i>	3		<i>Elective</i>	3
	<i>Elective</i>	3		<i>Elective</i>	3
	<i>Elective</i>	3		<i>Elective</i>	3
	<i>Elective</i>	3			
Semester total:			Semester total:		
16			15		

→ NOTES

- This sample curriculum totals 122 credits—120 are required to graduate.
- Courses listed in red are required.
- Courses listed in blue are required but have alternatives to choose from (e.g., ENGL 317 is one of any number of classes that will fulfill the “Communications” requirement).
- Courses labeled with a star (★) are only offered in the fall.
- Courses labeled with a diamond (◆) are only offered in the spring.