

Bachelor of Science

combined major/minor sequence (65-68 credits)

The B.S. is the standard choice for chemistry majors. To obtain this degree, take the courses listed below and then choose an emphasis in either chemistry or forensic chemistry. Highly motivated students may also choose to enter the B.S./M.S. program.

Chm 120	(3)	Gen Chemistry I (or CHM 130)
Chm 121	(3)	Gen Chemistry II (or CHM 131)
Chm 124	(1)	Gen Chemistry Lab I
Chm 125	(1)	Gen Chemistry Lab II
Chm 220	(3)	Organic Chemistry I
Chm 221	(3)	Organic Chemistry II
Chm 222	(1)	Organic Chemistry Lab I
Chm 223	(1)	Organic Chemistry Lab II
Chm 225	(3)	Quantitative Analysis
Chm 350	(3)	Physical Chemistry I
Chm 351	(3)	Physical Chemistry II
Chm 352Z	(3)	Physical Chemistry Lab
Chm 420	(3)	Inorganic Chemistry

Mathematics (12 credits)

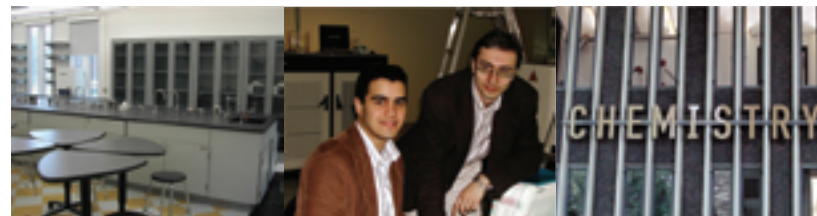
Mat 112	(4)	Calculus I (or Mat 111)
Mat 113	(4)	Calculus II
Mat 214	(4)	Calculus III

Physics (8 credits)

Phy 140	(3)	Physics I
Phy 145	(1)	Physics Lab I
Phy 150	(3)	Physics II
Phy 155	(1)	Physics Lab II

Combined BS/MS Program

This is a great way to begin your graduate degree while completing your B.S. degree. The combined program requires a minimum of 138 credits of which at least 30 must be graduate credits.



with a focus in Chemistry (14 credits)

Chm 442	(3)	Biochemistry
Two upper level lab courses chosen from		
Chm 417	(2)	Advanced Synthesis
Chm 426	(3)	Undergraduate Research
Chm 430	(3)	Instrumental Analysis
Chm 450	(3)	Forensic Chemistry I
Physics 240	(3)	Physics III
Plus 3 credits in advanced chemistry courses other than Chm 424, Chm 425, and Chm 426		

Bachelor of Arts

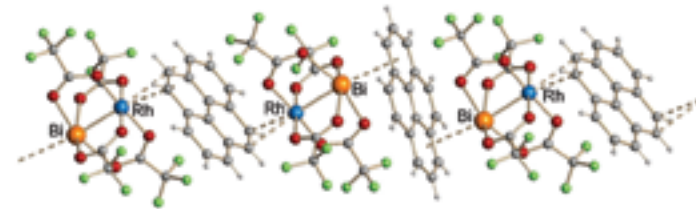
combined major/minor sequence (51 credits)

For this degree, take only the highlighted courses on the left and add the following:

Chm 320	(3)	Intro Physical Chemistry
Chm 321	(3)	Intro to Exp. Phys. Chem lab
Chm 430	(3)	Instrumental Analysis
Plus 6 credits in advanced chemistry, which includes at least 3 credits in courses other than Chm 424, Chm 425, and Chm 426		

Physics (8 credits)

Phy 105	(3)	General Physics I
Phy 106	(1)	General Physics Lab I
Phy 108	(3)	General Physics II
Phy 109	(1)	General Physics Lab II



OR Forensic Chemistry (17 credits)

Chm 417	(2)	Advanced Synthesis
Chm 430	(3)	Instrumental Analysis
Chm 442	(3)	Biochemistry
Chm 450	(3)	Forensic Chemistry I
Chm 451	(3)	Forensic Chemistry II
Mat 108	(3)	Elementary Statistics



or the Honors Program (25 credits)

The cornerstone of this program is the honors project, in which the student works closely with a faculty research mentor for at least one year. The research project allows an honors student to study a topic independently in a specific area of chemistry. The student will gain experience in the methods and techniques of modern chemistry. This experience will be invaluable in graduate school and future endeavors in chemical related occupations.

CHM ###	(3)	Advanced Lab
CHM 420A	(3)	Inorganic Chemistry
CHM ###	(3)	Advanced Course
CHM 426	(3)	Undergrad Research
CHM 427	(4)	Honors Research

Mat 111	(4)	Algebra & Calculus I (or Mat 112 or Mat 118 Honors Calculus I)
Mat 113	(4)	Calculus II (or Mat 119 Honors Calculus II)
Phy 240	(3)	Physics III

What can you do with a Chemistry degree?

Chemistry gives you the tools to think analytically, solve problems, and create novel materials with unusual properties that can be used in diverse fields in and out of science! A strong foundation in chemistry, coupled with a background in a variety of other disciplines (biology, geology, medicine, toxicology, engineering, physics, pharmacy—even art and business management) - can give you the confidence and flexibility to take on unusual and challenging careers.

Chemists are everywhere—you'll find them in

the chemical industry	biotechnology
pharmaceuticals	space industry
environmental technologies	medicine and health administration
forensic science	textiles and plastics
cosmetics	oil industry
toxicology	art restoration
management	patent law
materials science and architecture	interior design
food industry (chemists make great chefs!)	
geological and archeological undertakings	
and more!	

The list is endless.. Chemistry empowers you to use your imagination in creative ways and forge new ground.

