

Major requirements to complete a B.A. degree in Chemistry (2009-2010)

Course No.	Hrs.	Course Name	Prerequisites
Math 150, 250	4,4	Calculus I, Calculus II	Math 111, 150 respectively
PHYS 203A&B	3,3	College Physics	MATH 109
PHYS 253A&B	1,1	Physics Laboratory	co-requisite: corresponding lecture
CHEM 200, 201	3,1	Intro to Chem Principles + lab	high school algebra and chemistry
CHEM 210, 211	3,1	General and Inorganic Chem + lab	CHEM 200, 201
CHEM 230	4	Quantitative Analysis (Fall only)	CHEM 210, 211
CHEM 340, 341	3,2	Organic Chem I + laboratory (Fall only)	CHEM 210, 211
CHEM 342, 343	3,2	Organic Chem II + laboratory (Spring)	CHEM 340, 341
CHEM 350	3	Intro to Biological Chemistry (Spring)	CHEM 342
CHEM 351	2	Biochemistry Lab (Spring only)	co-requisite: Chem 350
CHEM 410	2	Inorganic Synthesis & Characterization Lab	(Sp) CHEM 411 or concurrent
CHEM 411	3	Intermediate Inorganic Chem (Spring)	CHEM 456 or 462 or concurrent
CHEM 462	3	Classical Physical Chemistry (Spring)	CHEM 230, 342, 343; Math 250
CHEM 466A	1	Physical Chemistry Laboratory (Spring)	co-requisite: CHEM 462

Plus one of the following specializations:

Biochemistry Specialization - Total hours = 61

9 hours of 300-400 level course work in biochemistry, microbiology, physiology, plant biology or zoology approved by the department, including one biology lab.

Environmental Specialization - Total hours = 65-66

CHEM 431-3 Environmental Chem (Spring even years)

CHEM 434-4 Instrumental Analytical Chem (Fall)

MATH 282-3 or 483-4 Statistics

Plus 3 hours of 300- or 400-level chemistry, civil engineering, forestry, geography, geology, mechanical engineering, plant biology, or plant & soil science approved by the department

Business Specialization - Total hours = 73

CHEM elective approved by the department

ACCT 220-3 Accounting I

ACCT 230-3 Accounting II

ECON 240-3 Introduction to Microeconomics

FIN 330-3 Introduction to Finance

MGMT 304-3 Introduction to Management

MKTG 304-3 Marketing Management

Forensic Specialization - Total hours = 61

CHEM 396-2 Chemical Problems

CHEM 434-4 Instrumental Analytical (Fall)

CHEM 439-3 Forensic Chemistry (Spring)

A GRADE OF C OR BETTER MUST BE EARNED IN ALL PREREQUISITE CHEMISTRY, MATHEMATICS, AND PHYSICS COURSES.

Supportive Skills requirement - at least 6 credit hours chosen from:

CS 105 or 200B, 201, 202; ENGL 290 or 291; MATH 483; or a 2-semester sequence of a foreign language.

Chemistry majors MUST SEE their department advisor before registering for EACH semester. The Department of Chemistry and Biochemistry is located in Neckers C224, phone 618-453-5721, fax 618-453-6408, email chemistry@chem.siu.edu Make an appointment with your Chemistry faculty advisor by calling the department.

The College of Science Advisement office is located in Neckers A185, phone 618-536-5537, fax 618-453-7067, email us at advise@cos.siu.edu, or see our web site at <http://www.science.siu.edu/advisement/index.html> The College of Science advisors are Dana McKenzie, Jean McPherson, and Becky Reed.

Updated 5/8/09