Minor in Chemistry

A minor in chemistry requires foundational coursework in calculus and physics, general chemistry, organic chemistry, quantitative analysis, and six units of upper-division chemistry electives. It may be appropriate for students interested in careers that involve some knowledge of chemistry and chemical laboratory work, but not a full degree in chemistry.

Requirements for a Minor in Chemistry (38-46 units)

CHEM 2100	General Chemistry I	4
CHEM 2100L	General Chemistry I Laboratory	1
CHEM 2200	General Chemistry II	4
CHEM 2200L	General Chemistry II Laboratory	1
The organic chemistry requirement may be met by either:		5-8
CHEM 2300	Organic Chemistry for Life Sciences	
CHEM 2400L	Organic Chemistry I Laboratory	
or the following four courses:		
CHEM 2400	Organic Chemistry I Lecture	
CHEM 2400L	Organic Chemistry I Laboratory	
CHEM 2500	Organic Chemistry II	
CHEM 2500L	Organic Chemistry II Laboratory	
CHEM 3200	Quantitative Analysis	4
Choose either of the following:		3-8
MATH 1601	Modeling with Calculus	
MATH 2210 & MATH 2220	Calculus I and Calculus II	
PHYS 2000	Introduction to Physics I	4
PHYS 2000L	Introduction to Physics I Lab	1
PHYS 2010	Introduction to Physics II	4
PHYS 2010L	Introduction to Physics II Lab	1
Note: Physics requirement may be met by taking PHYS 2500, 2500L, 2510, and 2510L (10 units) instead of PHYS 2000, 2000L, 2010 and 2010L.		
Choose 6 units of upper-division chemistry electives from the following list:		6
CHEM 4100	Biochemistry I	
CHEM 4200	Biochemistry II	
CHEM 4300	Inorganic Chemistry	
or CHEM 4350	Bioinorganic Chemistry	
CHEM 4400	Physical Chemistry I	
CHEM 4500	Physical Chemistry II	
CHEM 4600	Physical Chemistry for Biochemists I	
CHEM 4700	Physical Chemistry for Biochemists II	
CHEM 5001	Topics in Chemistry	
CHEM 5001L	Topics in Chemistry Laboratory	
CHEM 5002	Topics in Chemistry	
CHEM 5100	Polymer Science	
CHEM 5150	Materials Chemistry	
CHEM 5200	Instrumental Analysis	
CHEM 5300	Environmental Chemistry	
CHEM 5400	Chemistry of the Elements	
CHEM 5410	Solid State Chemistry	
CHEM 5420	Pyrotechnics	
CHEM 5500	Medicinal Chemistry	
CHEM 5550	Computational Chemistry	
CHEM 5751	Internship in Chemistry	
CHEM 5752	Internship in Chemistry	
CHEM 5753	Internship in Chemistry	
CHEM 5901	Directed Laboratory Research	
CHEM 5902	Directed Laboratory Research	
CHEM 5903	Directed Laboratory Research	
CHEM 5951	Independent Study	
CHEM 5952	Independent Study	
CHEM 5953	Independent Study	
Total Units		**38-46**