

Chemistry Graduation Requirements Interdisciplinary: Chemical Physics

Chemistry Core *(Required of All Majors)*

F=Fall; S=Spring, U=Summer Semesters

	Credits	Offered	<i>Honors Courses Indicated with H</i>	
CHEM 1210, 1220 (General Chemistry I & II)	(4, 4)	F, S, U		S: 1221H
CHEM 1215, 1225 (Gen Chem Labs)	(1, 1)	F, S, U		
CHEM 2310, 2320 (Organic Chemistry I & II)	(4, 4)	F, S, U	F: 2311H	S: 2321H
CHEM 2315, 2325 (Org Chem Labs)	(1, 1)	F, S, U		
CHEM 3000 (Quantitative Analysis)	(4) CW	F, U		
CHEM 3060 (Physical Chemistry I - Quantum)	(4) QI	F, S		
CHEM 3100 (Inorganic Chemistry)	(5)	F		
MATH 1210, 1220 (Calculus I & II)	(4, 4)	F, S, U		
MATH 2210 (Calculus III)	(3)	F, S, U		
PHYCS 2210, 2220 (Physics for Sci & Eng I & II)	(4, 4)	F, S, U	F: 2110	S: 2120
PHYCS 2215, 2225 (Physics Labs)	(1, 1)	F, S		

Additional Courses

	Credits	Offered
CHEM 3070 Physical Chemistry II	(4)	F, S
MATH 2250 Ordinary Differential Equations and Linear Algebra	(3)	
MATH 3150 Partial Differential Equations for Engineers	(3)	
MATH 3160 Complex Variables for Engineers	(2)	
MATH Elective (consult with chemistry advisory)	(3)	
<i>Two laboratory courses selected from:</i>		
CHEM 5700 (Adv. Analytical Lab)	(2)	S ¹
CHEM 5710 (Adv. Organic Lab)	(2)	F ¹
CHEM 5720 (Adv. Physical Lab)	(2)	S ²
CHEM 5730 (Adv. Inorganic Lab)	(2)	F ²
<i>Six or more units selected from the following:</i>		
CHEM 6000 Introduction to Quantum Mechanics I	(2)	
CHEM 6010 Introduction to Quantum Mechanics II	(2)	
CHEM 6020 Introduction to Spectroscopy I	(2)	
CHEM 6030 Introduction to Spectroscopy II	(2)	
CHEM 6040 Statistical Thermodynamics	(2)	
CHEM 6050 Classical Thermodynamics	(2)	
CHEM 6070 Chemical Kinetics	(2)	
CHEM 6080 Chemical Dynamics	(2)	