

CHEMISTRY - PROFESSIONAL ACS APPROVED EMPHASIS REQUIREMENTS (BA/BS)

Code	Title	Units
Major - 49-50 units ^{1, 2}		
CHEM 102	GENERAL CHEMISTRY I	5
CHEM 104	GENERAL CHEMISTRY II	5
CHEM 184	NEW CHEMIST SEMINAR	1
CHEM 251	ORGANIC CHEMISTRY - I	3
CHEM 252	ORGANIC CHEMISTRY - II	3
CHEM 260	INORGANIC CHEMISTRY	4
CHEM 261	ORGANIC CHEMISTRY LABORATORY	2
CHEM 262	ORGANIC CHEMISTRY LABORATORY - INTERMEDIATE	2
CHEM 352	QUANTITATIVE ANALYSIS	5
CHEM 370	PHYSICAL CHEMISTRY - QUANTUM MECHANICS IN CHEMISTRY	3
CHEM 371	PHYSICAL CHEMISTRY - THERMODYNAMICS AND KINETICS	3
CHEM 454	BIOCHEMISTRY OF MACROMOLECULES	3
CHEM 470	EXPERIMENTAL PHYSICAL CHEMISTRY - QUANTUM MECHANICS IN CHEMISTRY	1
CHEM 471	EXPERIMENTAL PHYSICAL CHEMISTRY - THERMODYNAMICS AND KINETICS	1
CHEM 480	INSTRUMENTAL METHODS OF ANALYSIS	4
CHEM 484	TOPICS IN CHEMISTRY	1
Select one from:		3-4
CHEM 270	INTRODUCTION TO GREEN CHEMISTRY	
CHEM 455	ADVANCED ORGANIC CHEMISTRY	
CHEM 456	BIOCHEMISTRY OF METABOLISM AND SIGNALING	
CHEM 460	ADVANCED INORGANIC CHEMISTRY	
Total Units		49-50

¹ Milestones: Periodic Assessment Tests, Exit Interview, and Major Field Test required

² No minor is required for this major

Code	Title	Units
Unique Requirements - 24 units		
BIOLOGY 141	INTRODUCTORY BIOLOGY I	5
MATH 253	CALCULUS AND ANALYTIC GEOMETRY I	5
MATH 254	CALCULUS AND ANALYTIC GEOMETRY II	4
PHYSICS 140 & PHYSICS 141	PRINCIPLES OF PHYSICS I and PRINCIPLES OF PHYSICS II	10
or PHYSICS 180 & PHYSICS 181	PHYSICS FOR SCIENTISTS AND ENGINEERS I and PHYSICS FOR SCIENTISTS AND ENGINEERS II	
Total Units		24