

# CHEMISTRY - BUSINESS FOR INDUSTRY EMPHASIS ACS CERTIFIED REQUIREMENTS

Code	Title	Units
<b>Major - 57 units <sup>1,2</sup></b>		
<b>Chemistry Core</b>		
CHEM 102	GENERAL CHEMISTRY I	5
CHEM 104	GENERAL CHEMISTRY II	5
CHEM 184	INTRODUCTION TO CHEMISTRY	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 352	QUANTITATIVE ANALYSIS	5
CHEM 370	PHYSICAL CHEMISTRY - QUANTUM MECHANICS IN CHEMISTRY	3
CHEM 454	BIOCHEMISTRY OF MACROMOLECULES	3
CHEM 470	EXPERIMENTAL PHYSICAL CHEMISTRY - QUANTUM MECHANICS IN CHEMISTRY	1
CHEM 484	TOPICS IN CHEMISTRY	1
<b>Business Requirements - 15 units</b>		
ACCOUNT 244	INTRODUCTION TO FINANCIAL ACCOUNTING	3
ITSCM 385	AGILE PROJECT MANAGEMENT	3
FNBSLW 344	BUSINESS FINANCE	3
MARKETNG 211	PRINCIPLES OF MARKETING	3
MANGEMNT 220	HUMAN RESOURCE MANAGEMENT	3
<b>Chemistry Electives - Select 6 units from the following (at least one course must come from Group A)</b>		<b>6</b>
<b>Group A</b>		
CHEM 262	ORGANIC CHEMISTRY LABORATORY - INTERMEDIATE	
CHEM 458	ADVANCED BIOCHEMISTRY LABORATORY	
CHEM 460	ADVANCED INORGANIC CHEMISTRY	
CHEM 471	EXPERIMENTAL PHYSICAL CHEMISTRY - THERMODYNAMICS AND KINETICS	
CHEM 480	INSTRUMENTAL METHODS OF ANALYSIS	
CHEM 498R	INDEPENDENT STUDY - UNDERGRADUATE RESEARCH	
<b>Group B</b>		
CHEM 270	INTRODUCTION TO GREEN CHEMISTRY	
CHEM 371	PHYSICAL CHEMISTRY - THERMODYNAMICS AND KINETICS	
CHEM 455	ADVANCED ORGANIC CHEMISTRY	
CHEM 456	BIOCHEMISTRY OF METABOLISM AND SIGNALING	
<b>Total Units</b>		<b>57</b>

Code	Title	Units
<b>Unique Requirements - 30 Units</b>		
MATH 253	CALCULUS AND ANALYTIC GEOMETRY I	5
MATH 254	CALCULUS AND ANALYTIC GEOMETRY II	4
BIOLOGY 141	INTRODUCTORY BIOLOGY I	5
PHYSCS 140	PRINCIPLES OF PHYSICS I	10
& PHYSCS 141	and PRINCIPLES OF PHYSICS II	
or PHYSCS 180	PHYSICS FOR SCIENTISTS AND ENGINEERS I	
& PHYSCS 181	and PHYSICS FOR SCIENTISTS AND ENGINEERS II	
ECON 201	PRINCIPLES OF MICROECONOMICS	3
ECON 202	PRINCIPLES OF MACROECONOMICS	3
<b>Total Units</b>		<b>30</b>

<sup>1</sup> An approved minor is not required for this major.

<sup>2</sup> Minimum 2.00 GPA in the major courses is required for graduation.