

CHEMISTRY - BACHELOR OF SCIENCE

Nondepartmental Requirements

MATH 191G	Calculus and Analytic Geometry I	4
MATH 192G	Calculus and Analytic Geometry II	4
MATH 291G	Calculus and Analytic Geometry III	3
PHYS 213	Mechanics	3
PHYS 213 L	Experimental Mechanics	1
PHYS 214	Electricity and Magnetism	3
PHYS 214 L	Electricity and Magnetism Laboratory	1
PHYS 315	Modern Physics	3
Select 3-4 credits from the following:		3-4
MATH 391	Vector Analysis	
MATH 392	Introduction to Ordinary Differential Equations	
C S 172	Computer Science I	
STAT 371	Statistics for Engineers and Scientists I	

Departmental Requirements

BCHE 395	Biochemistry I	3-4
or BCHE 341	Survey of Biochemistry	
Select one from the following:		8-11
CHEM 115 & CHEM 116	Principles of Chemistry I and Principles of Chemistry II	
CHEM 111G & CHEM 112G & CHEM 217	General Chemistry I and General Chemistry II and General Chemistry III	
CHEM 242	Explorations in Chemistry	1
CHEM 313	Organic Chemistry I	3
CHEM 314	Organic Chemistry II	3
CHEM 315	Organic Chemistry Laboratory	2
CHEM 356	Descriptive Inorganic Chemistry	3
CHEM 357	Synthetic Inorganic Laboratory	2
CHEM 371	Analytical Chemistry	4
CHEM 433	Physical Chemistry I	3
CHEM 434	Physical Chemistry II	3
CHEM 435	Physical Chemistry Laboratory	2
CHEM 443	Senior Seminar	1
CHEM 456	Inorganic Structure and Bonding	3
CHEM 471	Instrumental Methods of Analysis	4

Electives

Select sufficient electives to bring total credits to 120, including 48 upper-division.	45
Total Credits	115-120

Note: Students should work closely with their advisors and review carefully the prerequisites for and the sequential nature of courses required for the Bachelor of Science. There is no foreign language requirement for any baccalaureate degree from this department.