

# BACHELOR OF SCIENCE IN CHEMISTRY

## Curriculum Check List

The courses on this checklist must be taken for credit, not Pass/Fail.

Grades in ALL prerequisite courses must be C- or higher.

The number of credits is noted in parentheses.

Courses are offered either semester unless designated by: F = Fall or S = Spring

### I. CORE REQUIREMENTS

_____	CHEM 121	General Chem I (4,F)	_____	CHEM 475	Physical Chem I (3,F)
_____	or CHEM 111	General Chem I (4)	_____	CHEM 476	Physical Chem II (3,S)
_____	CHEM 122	General Chem II (4,S)	_____	CHEM 477	Physical Chem I Lab (2,F)
_____	or CHEM 112	General Chem II (4)	_____	BIOL 151	Introductory Biol I (4)
_____	CHEM 265	Organic Chem I (3,F)	_____	MATH 131	Calculus I (4)
_____	CHEM 266	Organic Chem II (3,S)	_____	MATH 132	Calculus II (4)
_____	CHEM 267	Organic Chem Lab I (2,F)	_____	MATH 233	Multivariate Calculus (3)
_____	CHEM 268	Organic Chem Lab II (2,S)	_____	PHYS 151	General Physics I and Lab (4)
_____	CHEM 291A	Sophomore Seminar (1,F)	_____	PHYS 152	General Physics II and Lab (4)
_____	CHEM 315	Quantitative Analysis (4,S)			
_____	CHEM 341	Inorganic Chem (3,F)			
_____	CHEM 342	Inorganic Chem Lab (2,S)			
_____	CHEM 330	Writing in Chemistry (3,F)			
_____	CHEM 388	Independent Research (3) or CHEM 499Y/T Honors Research & Thesis (6)			

### II. UPPER LEVEL REQUIREMENTS

Upper Level Requirements: you are responsible for a minimum of 12 credits of upper-level courses with at least 2 credits from both groups A and B. CHEM 513 may be counted in only one group.

Group A	Lecture Courses	Group B	Laboratory Courses	
_____	CHEM 423	Biochemistry for Chemists (3,S)	_____	CHEM 396/496 Independent Study (1-6)
_____	CHEM 513	Instrumental Analysis (4,F)	_____	CHEM 513 Instrumental Analysis (4,F)
_____	CHEM 515	TThry Analytical Processes (3,F)	_____	NAT Sci 390iH iCons III
_____	CHEM 546	Advanced Inorganic (3,F)	_____	BIO 383H iCons III
_____	CHEM 551	Advanced Organic (3,F)		
_____	CHEM 552	Organic Spectroscopy (3,F)	_____	BIOCHM 426 Biochemistry Lab (4,S)
_____	CHEM 584	Advanced Physical I (3,F)		
_____	CHEM 585	Advanced Physical II (3,S)	_____	PHYS 531 Electronics for Scientists I (4)
_____	CHEM 590CB	Chemical Biology (3,S)	_____	PHYS 553 Optics with Lab (4)
_____	BIOCHM 423	General Biochem I (3,F)		
_____	BIOCHM 424	General Biochem II (3,S)		
_____	PSE 501	Intro to Polymer Science (3,S)		
	600 and 700 level CHEM courses also accepted			

To satisfy the American Chemical Society certification take CHEM 423 (or BIOCHM 423), plus two additional Group A upper level CHEM electives.

### III. COLLEGE AND UNIVERSITY REQUIREMENTS

Students are responsible for meeting all College and University requirements.

Questions should be directed to the CNS Advising Center, 220 Morrill II South.