

## 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.