

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-, CD or higher. (The number of credits is noted in parentheses. F = Fall only course; S = Spring only course; otherwise offered both semesters.)

I. CORE REQUIREMENTS

___ CHEM 121H Honors General Chem I (4,F)	___ CHEM 391A Writing in Chemistry (3,F)
___ or CHEM 111 General Chem I (4)	___ CHEM 475 Physical Chem I (3,F)
___ CHEM 122H Honors General Chem II (4,S)	___ CHEM 476 Physical Chem II (3,S)
___ or CHEM 112 General Chem II (4)	___ CHEM 477 Physical Chem I Lab (2,S)
___ CHEM 241 Inorganic Chem (3,S)	
___ CHEM 242 Inorganic Chem Lab (2,S)	___ MATH 131 Calculus I (4)
___ CHEM 265 Organic Chem I (3,F)	___ MATH 132 Calculus II (4)
___ CHEM 266 Organic Chem II (3,S)	___ MATH 233 Multivariate Calculus (3)
___ CHEM 267 Organic Chem Lab I (2,F)	___ PHYS 151 General Physics I (3)
___ CHEM 268 Organic Chem Lab II (2,S)	___ PHYS 152 General Physics II (3)
___ CHEM 291A Sophomore Seminar (1,S)	___ PHYS 153 General Physics Lab I (1)
___ CHEM 315 Quantitative Analysis (4,F)	___ PHYS 154 General Physics Lab II (1)
___ CHEM 388 Undergraduate Research (3)	___ PHYS 261 General Physics III (3,S)
___ or CHEM 499Y/T Honors Research & Thesis (6)	

II. UPPER LEVEL REQUIREMENTS

A minimum of eight credits is required, with at least two credits from both groups A and B.

CHEM 513 may be counted in only one group.

American Chemical Society certification requires CHEM 513, CHEM 546, and CHEM 490A (or BIOCHEM 523.)
600/700 Level Courses, and courses outside of Chemistry may be accepted by petition to the Chief Undergraduate Advisor..

<u>Group A</u> <u>Lecture Courses</u>	<u>Group B</u> <u>Laboratory Courses</u>
___ CHEM 490A Biochemistry for Chemists (3,S)	___ CHEM 496 Independent Research (1-6)
___ CHEM 513 Instrumental Analysis (4,S)	___ CHEM 513 Instrumental Analysis (4,S)
___ CHEM 515 Thry Analytical Processes (3,F)	___ CHEM 516 Chemical Microscopy (2,F)
___ CHEM 546 Advanced Inorganic (3,F)	___ CHEM 519 Electronic Instrumentation (3,S)
___ CHEM 551 Advanced Organic (3,F)	
___ CHEM 552 Organic Spectroscopy (3,F)	___ BIOCHM 526 Biochemistry Lab (4,S)
___ CHEM 584 Advanced Physical I (3,F)	
___ CHEM 585 Advanced Physical II (3,S)	
___ BIOCHM 523 General Biochem I (3,F)	
___ BIOCHM 524 General Biochem II (3,S)	
___ PSE 501 Intro to Polymer Science (3,S)	

III. COLLEGE AND UNIVERSITY REQUIREMENTS

A maximum of three interdisciplinary courses (I) is allowed. Two of the required Social World courses must include a focus on diversity (designated by U or G) or two additional courses must be taken.

___ Language I	___ Social World (HS)
___ Language II	___ Social World (AL)
___ Language III	___ Social World (SB)
___ Language IV	___ Social World (SB or I)
___ Biological Science (BS)	___ Social World (AL, AT, or I)
___ ENGLWRTG 112 College Writing	___ Social World (AL, AT, HS, I, or SB)