

## B. S. Chemistry (Leads to an ACS Certificate)

### 1st Year

___ CHE 103 General Chemistry I	3	___ CHE 104 General Chemistry II	3	
___ CRL 103 Exp. Gen. Chem. I	1	___ CRL 104 Exp. Gen. Chem. II	1	14
___ MAT 161 Calculus I	4	___ MAT 162 Calculus II	4	14
___ WRT 120 Eff. Writing I	3	___ WRT XXX Writing Course ♣	3	15
___ GEd XXX B/SS (1)	3	___ SPK XXX Communication Studies ♦	3	15
	14		14	16

### 2nd Year

___ CHE 231 Organic Chemistry I	4	___ CHE 232 Organic Chemistry II	3	15
___ CRL 231 Exp. Org. Chem. I	2	___ CRL 232 Exp. Org. Chem. II	2	120
___ CHE 321 Analytical Chemistry I	3	___ BIO 110 General Biology ♥	3	
___ CRL 321 Exp. Analyt. Chem I	2	___ PHY 180 Physics II	4	
___ PHY 170 Physics I	4	___ GEd XXX Diverse Communities	3	
	15		15	

### 3rd Year

___ CHE 341 Physical Chemistry I	4	___ CHE 342 Physical Chemistry II	3	
___ CRL 341 Exp. Phys. Chem I	2	___ CRL 342 Exp. Phys. Chemistry II	2	
___ CHE XXX Chemistry Elective	3	___ CHE YYY Chemistry Elective (A) ♣	3	
___ GEd XXX Humanities (1)	3	___ CHE 424 Analytical Chemistry II	3	
___ CHE 418 Chemical Information	1	___ CRL 424 Exp. Analyt. Chem II	2	
___ GEd XXX Arts	3	___ GEd XXX Student Elective	3	
	16		16	

### 4th Year

___ CHE 476 Biochemistry I	3	___ CHE 411 Adv. Inorganic Chemistry	3	
___ CHE YYY Chemistry Elective (B)§	3	___ CRL 411 Inorganic Syntheses	2	
___ GEd XXX Student Elective	3	___ CHE YYY Chemistry Elective (B)§	3	
___ GEd XXX Humanities (2)	3	___ CHE 491 Chemistry Seminar	1	
___ GEd XXX B/SS (2)	3	___ GEd XXX Student Elective	3	
	15	___ GEd XXX Interdisciplinary*	3	
			15	

Total Credits 120

\_\_\_ Department Safety Examination

### Program Notes:

♣ Chemistry electives in Group A include: CHE 333 (Organic III), or CHE 477 (Biochemistry II)

This elective can be taken in the 4th year of study rather than the 3rd year of study.

§ Chemistry electives in Group B include any approved 300 or 400 level elective in chemistry.

\*\* CHE 409 is no longer offered at WCU. You will need to take a chemistry elective in place of this course.

### Notes on General Education Courses (Ged):

♣ Students may take WRT 121, 206, 208, or 220

♥ or CSC 141; fulfills a General Education Science Elective

♦ Choose from SPK 208 or 230

\* No interdisciplinary (I) course may be used to fulfill distributive requirements

Students must take three "W" courses; at least 3 credits must be in 300 or 400 level courses

§ Students must take sufficient elective credits to attain 120 credits.