

**West Chester University Department of Chemistry**

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

Updated Summer 2018

**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
___ MAT 161 Calculus I	4	___ MAT 162 Calculus II	4
___ WRT 120 Eff. Writing I	3	___ WRT XXX Writing Course ♣	3
___ GEd XXX B/SS (1)	3	___ SPK XXX Communication Studies ♦	3
semester credits:	14	semester credits:	14

**2nd Year**

___ CHE 231 Organic Chemistry I	4	___ CHE 232 Organic Chemistry II	3
___ CRL 231 Exp. Org. Chem. I	2	___ CRL 232 Exp. Org. Chem. II	2
___ CHE 321 Analytical Chemistry I	3	___ CSC 115 Intro. Comp. Prog. ♥	3
___ CRL 321 Exp. Analyt. Chem I	2	___ PHY 180 Physics II	4
___ PHY 170 Physics I	4	___ GEd XXX Diverse Communities	3
semester credits:	15	semester credits:	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 409 Descriptive Inorg Chem	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
semester credits:	16	semester credits:	16

**4th Year**

___ CHE YYY Chemistry Elective (B)§	3	___ CHE YYY Chemistry Elective (B)§	3
___ GEd XXX Student Elective	3	___ CHE 411 Adv. Inorganic Chemistry	3
___ CHE 476 Biochemistry I	3	___ CRL 411 Inorganic Syntheses	2
___ CHE 491 Chemistry Seminar	1	___ GEd XXX Student Elective	3
___ GEd XXX Humanities (2)	3	___ GEd XXX Interdisciplinary*	3
___ GEd XXX B/SS (2)	3		
semester credits:	16	semester credits:	14

Total Credits: 120

\_\_\_ Department Safety Examination

\_\_\_ \_\_\_ \_\_\_ writing emphasis courses

**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.

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

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

♥ or CSC141 if student desires a Comp. Sci. minor. BIO110 can also substitute if a student desires a BIO minor. CSC115, CSC141, and BIO110 all fulfill 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.