

Academic Plan for a B.A. in Chemistry

FRESHMAN YEAR

Fall

ÔPÔT ÁÍ FÁ	1 Á
T ÔV/P ÁGGÔDÁ (or 125)Á	1 (3)
ÒP ÔŠÁ ÉFÁ	HÁ
VÒÜÁ FÁÁ	HÁ
V çÁ	FHÉÍ

Spring

ÔPÔT ÁÍ GÁ	1 Á
T ÔV/P ÁGJÁ	HÁ
ÒP ÔŠÁ ÉGÁ	HÁ
VÒÜÁ FÁ	HÁ (or 6)Á
V çÁ	FHÉÍ

SOPHOMORE YEAR

Fall

CHEM 246A/247A	5
CHEM 380 (or T ÔV/P ÁGGHÁ)	3D Á
ÚPÿÜÁ FÁ	1 Á
Ù^& } á Šç * ~ æ ^Á	1 Á
V çÁ	FÍ ÈÍ

Spring

CHEM 246B/247B	5
CHEM 395A (recommended)	1
ÚPÿÜÁ FÁ	1 Á
Ù^& } á Šç * ~ æ ^Á	1 Á
TIER 1	3
V çÁ	FHÉÍ

JUNIOR YEAR

Fall

CHEM 480AÁ	HÁ
ÔPÔT ÁÍ & çÁ ÁÁ	HÁ
Ù^& } á Šç * ~ æ ^Á	1 Á
VÒÜÁ FÁ	H
Optional Elective	3
V çÁ	FHÉÍ

Spring

CHEM 480B (or 481Á)	HÁ
ÔPÔT ÁÍ & çÁ ÁÁ	HÁ
Ù^& } á Šç * ~ æ ^Á	1 Á
VÒÜÁ FÁ	HÁ (or 6)
V çÁ	FHÉÍ

SENIOR YEAR

Fall

ÔPÔT ÁÍ & çÁ ÁÁ	HÁ
VÒÜÁ G	HÁ
Ö\ } ^! çÁ ÁÍ & çÁ ÁÁ	1 Á (or 9)Á
V çÁ	FGÉÍ

Spring

ÔPÔT ÁÍ & çÁ ÁÁ	HÁ
VÒÜÁ G	HÁ
Ö\ } ^! çÁ ÁÍ & çÁ ÁÁ	1 Á (or 9)Á
V çÁ	FGÉÍ

TOTAL UNITS NEEDED: 120
UPPER DIVISION UNITS NEEDED: 42

One CHEM Elective must be a 400-level lab.

Classes in bold are only offered in the fall or spring semester as shown.

Please note that this checklist indicates CHEMBA requirements. Additional coursework not listed on this page may be required in order to graduate.

B.A. Chemistry

Catalog Year 2017-2018



THE UNIVERSITY OF ARIZONA
COLLEGE OF SCIENCE
COLLEGE OF MEDICINE TUCSON

Chemistry
& Biochemistry

NAME _____ SID _____ Date _____

GENERAL EDUCATION COURSES:

i. Freshman Composition (*Complete one sequence*)

ENGL 101 (3) _____ and ENGL 102 (3) _____ or
(ENGL 106 (3) _____)*
ENGL 107 (3) _____ and ENGL 108 (3) _____ or
ENGL 109H (3) _____

MCWA _____

ii. Mathematics: Satisfied by math foundation courses.

iii. Second Language (*Fourth Semester Proficiency*)

TIER ONE COURSES:

i. Individuals and Societies 150 (*6 units*)

ii. Traditions and Cultures 160 (*6 units*)

TIER TWO COURSES:

i. Arts (*3 units*)

ii. Humanities (*3 units*)

iii. Individuals and Societies (*3 units*)

iv. Diversity Emphasis Requirement: *One course must meet this requirement. It can be double-dipped with any Tier One or Tier Two course.*

Note: Courses offered only in the fall or spring semesters are labeled with F or S.

**Some students may be required to take ENGL 106 prior to taking ENGL 107. If not, ENGL 107 and ENGL 108 will complete foundation composition requirements.*

Total units completed: _____

Total upper division units completed: _____

FOUNDATION COURSES: (17–20 units)

Mathematics

MATH 122A/B (5) or 125 (3) _____
MATH 129 (3) _____
CHEM 380 (3: F) or MATH 223 (4) _____

Physics

PHYS 141 (4) _____
PHYS 241 (4) _____

MAJOR COURSES: (34–39 units)

General Chemistry

CHEM 151 (4) _____ CHEM 152 (4) _____

Organic Chemistry

CHEM 246A (3; F) _____ CHEM 247A (2; F) _____
CHEM 246B (3; S) _____ CHEM 247B (2; S) _____

Majors Colloquium (*Optional but recommended.*)

CHEM 395A (1; S) _____

Physical Chemistry

CHEM 480A (3; F) _____
CHEM 480B (3; S) or 481 (3; S) _____

Core Electives (*Complete four 300–400 courses, including either one or two 400 level labs. Check prerequisites for labs before enrolling.*)

Quantitative Analysis (Analytical Chemistry)

CHEM 325 (2) _____ CHEM 326 (2; L) _____

Instrumental Analysis

CHEM 401A (3; S) _____ CHEM 400A (3; F; L) _____

Inorganic Chemistry

CHEM 404A (3; S) _____ CHEM 412 (3; L) _____

Organic Chemistry

CHEM 446 (3; F; L) _____ CHEM 447 (3; S; L) _____
CHEM 450 (3; F) _____

Biochemistry

BIOC 462A (4; F) _____ BIOC 462B (4; S) _____

Physical Chemistry

CHEM 400B (3; S; L) _____
