

Academic Plan for a B.A. in Chemistry

FRESHMAN YEAR

Fall

ÔPÔT ÁÍ FÁ	I Á
T ÔV/P ÁGGÔDÁ (or 125)Á	Í (3)
ÒP ÔŠÁ Ē FÁ	HÁ
VÒÜ Á FÁ	HÁ
V çÁ	FĒĪ

Spring

ÔPÔT ÁÍ GÁ	I Á
T ÔV/P ÁGJÁ	HÁ
ÒP ÔŠÁ Ē GÁ	HÁ
VÒÜ Á FÁ	HÁ (or 6)Á
V çÁ	FĒĪ

SOPHOMORE YEAR

Fall

CHEM 246A/247A	5
CHEM 380 (or T ÔV/P ÁGGHÁ)	3D Á
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V çÁ	FĪ ĒĪ

Spring

CHEM 246B/247B	5
CHEM 395A (recommended)	1
ÚPŸÜÁ FÁ	I Á
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TIER 1	3
V çÁ	FĒĪ

JUNIOR YEAR

Fall

CHEM 480A	HÁ
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VÒÜ Á FÁ	H
Optional Elective	3
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Spring

CHEM 480B (or 481A)	HÁ
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VÒÜ Á FÁ	HÁ (or 6)
V çÁ	FĒĪ

SENIOR YEAR

Fall

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VÒÜ Á G	HÁ
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V çÁ	FGĪ

Spring

ÔPÔT ÁÍ & ç Á Á	HÁ
VÒÜ Á G	HÁ
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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.*

University Requirements

Total units completed: _____/120

Total upper division units completed: _____/42

Cumulative GPA: _____

Major GPA: _____

18/30:

<60 correspondence/UA exam units:

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) _____
