

Academic Plan for a B.S. in Biochemistry

FRESHMAN YEAR

Fall

CHEM 151	4
MATH 122A/B (or 125)	5 (3)
ENGL 101	3
TIER 1	3
<hr/> Total	<hr/> 13-15

Spring

CHEM 152	4
MATH 129	3
ENGL 102	3
TIER 1	3 (or 6)
<hr/> Total	<hr/> 13-16

SOPHOMORE YEAR

Fall

CHEM 246A/247A* (or CHEM 241A/243A)*	5 (4)
MCB 181 R/L	4
CHEM 380 , MATH 223 or 254	3/4/3
Second Language	4
BIOC 296B (or spring)*	1
<hr/> Total	<hr/> 15-18

Spring

CHEM 246B/247B* (or CHEM 241B/243B)*	5 (4)
ECOL 182 R/L	4
TIER 1	3
Second Language	4
BIOC 296B (or fall)*	1
<hr/> Total	<hr/> 15-17

JUNIOR YEAR

Fall

BIOC 462A*~	4
BIOC 463A (or spring)*~	4
PHYS 141 or 140	4/3
TIER 2	3
Optional Elective	3
<hr/> Total	<hr/> 14-18

Spring

BIOC 462B*	4
BIOC 466*	4
PHYS 241 or 240	4/3
TIER 2 or BIOC 463A*~	3/4
<hr/> Total	<hr/> 14-16

SENIOR YEAR

Fall

CHEM 480A*	3
BIOC 498(H)*	3
TIER 2/Electives	6-12
<hr/> Total	<hr/> 12-18

Spring

CHEM 480B* or 481*	3
BIOC 498(H)*	3
TIER 2/Electives	6-12
<hr/> Total	<hr/> 12-18

TOTAL UNITS NEEDED: 120
UPPER DIVISION UNITS NEEDED: 42

* Denotes grade of C or better required.

~Denotes department consent required to enroll.

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

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

9/5/2017

B.S. Biochemistry

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 (*Second 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: (31–36 units)

Introductory Biology

MCB 181R and L (4) _____

ECOL 182R and L (4) _____

General Chemistry

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

Mathematics

MATH 122A/B (5) or 125 (3) _____

MATH 129 (3) _____

CHEM 380 (3; F), MATH 223 (4) or MATH 254 (3) _____

Physics

PHYS 141 (4) or 140 (3) _____

PHYS 241 (4) or 240 (3) _____

MAJOR COURSES: (37-39 units); *Must earn a C or better in all major courses.*

Organic Chemistry (*Complete one sequence.*)

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

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

or

CHEM 241A (3) _____ CHEM 243A (1) _____

CHEM 241B (3) _____ CHEM 243B (1) _____

Biochemistry

BIOC 296B Intro to Biochemical Research (1) _____

BIOC 462A Biochemistry (4; F) _____

BIOC 462B Biochemistry (4; S) _____

BIOC 463A Biochemical Lab Techniques (4) _____

BIOC 466 Biochemistry of Nucleic Acids (4; S) _____

BIOC 498(H) Senior Capstone (3/3) _____

Physical Chemistry

CHEM 480A (3; F) _____

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