

Academic Plan for a B.A. in Biochemistry

FRESHMAN YEAR

Fall

CHEM 151 (or CHEM 141/143)	4
MATH 122A/B (or 125)	5 (3)
ENGL 101	3
TIER 1	3
<hr/> Total	<hr/> 13-15

Spring

CHEM 152 (or CHEM 142/144)	4
MATH 129	3
ENGL 102	3
TIER 1	3 (or 6)
<hr/> Total	<hr/> 13-16

SOPHOMORE YEAR

Fall

CHEM 241A/243A	4
MCB 181 R/L	4
TIER 1	3
Second Language	4
BIOC 296B (or spring)	1
<hr/> Total	<hr/> 15-16

Spring

CHEM 241B/243B	4
ECOL 182 R/L	4
TIER 1/2	3
Second Language	4
BIOC 296B (or fall)	1
<hr/> Total	<hr/> 15-16

JUNIOR YEAR

Fall

BIOC 462A	4
TIER 2	3
PHYS 102, 140 or 141	3/3/4
Second Language	4
<i>TIER 2/Elective</i>	3
<hr/> Total	<hr/> 14-18

Spring

BIOC 462B	4
PHYS 103, 240 or 241	3/3/4
Second Language	4
<i>TIER 2</i>	3
<hr/> Total	<hr/> 14-15

SENIOR YEAR

Fall

Science Elective	3
TIER 2/Electives	6-12
<hr/> Total	<hr/> 13-18

Spring

Science Elective	3
General Electives	6-12
<hr/> Total	<hr/> 12-18

TOTAL UNITS NEEDED: 120
UPPER DIVISION UNITS NEEDED: 42

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

Please note that this checklist indicates BIOCBA requirements. Additional coursework not listed on this page is required in order to graduate.

B.A. Biochemistry

Before Catalog Year 2020



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) _____ ENGL 102 (3) _____ or
(ENGL 106*) _____
ENGL 107 (3) _____ 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.

FOUNDATION COURSES: (28-32 units)

Introductory Biology

MCB 181R and L (4) _____
ECOL 182R and L (4) _____

General Chemistry (Complete one sequence.)

CHEM 151 (4) _____ CHEM 152 (4) _____
or
CHEM 141/143 (4) _____ CHEM 142/144 (4) _____

Mathematics

MATH 122A/B (5) or 125 (3) _____
MATH 129 (3) or MATH 263 (3) _____

Physics

PHYS 102 (3), 140 (3) or 141 (4) _____
PHYS 103 (3), 240 (3) or 241 (4) _____

MAJOR COURSES: (28-33 units)

Organic Chemistry

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) _____

Science Electives (Complete six units of 300-400 level courses from the list below or as pre-approved by a CBC advisor. All pre-requisites must be met prior to enrolling.)

BME 486 _____
BIOS 376 _____
CHEE 477R _____
CHEM 450 _____
ECOL 320, 326, 346, 474 _____
MATH 363 _____
MCB 304, 325, 340, 410, 411, 425, 480 _____
MIC 328R, 419, 428R, 452 _____
NSC 408, 475 _____
NSCS 307, 310, 430 _____
PCOL 410 _____
PHCL 412 _____
PLS 312, 340, 359, 360, 448A _____
PSIO 380, 404, 420, 431, 484 _____
PHYS 431 _____