Undergraduate Graduation Requirements

All course work and requirements for this degree must be completed prior to the date the degree is awarded. The University of Arizona requirements to follow in this audit are required for graduation and awarding of the degree.

Curriculum:
1. The University of Arizona and the Arizona Board of Regents have sole discretion over all curricula changes.
2. Courses, programs & requirements may be suspended, deleted, restricted, or changed in any manner, at any time.
3. Students must remain currently informed about all policies & other info that bears on completing a degree.

Required Units:
Additional units will be required to complete this degree if a student:
A) is admitted to the UA with deficiencies;  
B) changes his/her academic plan(s);  
C) fails to meet minimum course/plan requirements;  
D) ineffectively plans or fails to execute a course of study that leads directly to degree completion; or  
E) is completing more than one baccalaureate degree.

The following requirements must be met for graduation.

Units Required and Cumulative GPA
120 units are required at a 2.0 GPA. View the pdf report grid for units earned toward this degree and cumulative GPA.

Completing a second bachelor's degree at The University of Arizona requires no fewer than 30 units in addition to the units required for the first degree, and all requirements for the second degree must be met.

Upper Division Units

Not Satisfied: A minimum of 42 units of upper-division credit are required for this degree.

- Units: 42.00 required, 0.00 completed, 42.00 needed

Units in Residence

Not Satisfied: A minimum of 30 units in residence at The University of Arizona (excluding correspondence credit and credit by exam) is required.

- Units: 30.00 required, 0.00 completed, 30.00 needed

Final Units in Residence

Not Satisfied: A minimum of 18 of the final 30 units taken toward degree requirements must be in residence at The University of Arizona.

- Units: 18.00 required, 0.00 completed, 18.00 needed

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Page 1 of 14
Correspondence and/or Exam Credit Limit

**Satisfied:** A maximum of 60 units of Correspondence Credit and/or Exam Credit may apply toward graduation.

Non Degree Seeking Limit

A maximum of 15 units completed as a non-degree seeking student may be used for fulfilling undergraduate degree requirements.

Units exceeding this limit must be subtracted from the units required towards the degree and graduation requirements.

Community College Limit

**Not Satisfied:** A maximum of 64 units of community college course work may apply toward graduation. A minimum of 56 units of course work must be completed at a 4-year institution, military institution, or as test credit.

- **Units:** 56.00 required, 0.00 completed, 56.00 needed

Success Course Limit

**Satisfied:** No more than 3 units will apply toward a student's graduation requirements.

Success Course units exceeding the 3 unit maximum must be subtracted from the total units, residency requirements and cumulative grade point average.

**Foundations Mathematics**

**Not Satisfied:** Foundation Mathematics

**GE Substantial Math Strand**

**Not Satisfied:** GE Substantial Math Strand

**GE Substantial Math Strand**

**Not Satisfied:** Complete 1 course from MATH 124, 125, 129, 223 TO 499.


- **Units:** 2.67 required, 0.00 completed, 2.67 needed
Courses Available

MATH 124, MATH 125, MATH 125-CC, MATH 129, MATH 129-CC, MATH 215, MATH 223, MATH 223-CC, MATH 250A, MATH 254, MATH 254-CC

Undergraduate General Education and Foundation Requirements

Overall Requirement Not Satisfied: Undergraduate General Education and Foundation Requirements

Foundation Composition

Not Satisfied: Complete 1 of the 2 following options:
1. First and Second Semester Composition OR
2. Honors Composition

Mid-Career Writing Assessment - Complete 2nd semester English Composition with a B grade or higher. Students who do not earn a grade of B or better in 2nd semester English Composition must also satisfy a college or department writing requirement. Consult your major advisor if you do not earn a grade of B in 2nd semester English Composition.

Option 1: First Semester Composition

Not Satisfied: Complete 1 course.

· Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

ENGL 101, ENGL 103H, ENGL 107

AND Option 1: Second Semester Composition

Not Satisfied: AND Complete 1 course

· Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

ENGL 102, ENGL 104H, ENGL 108

OR Option 2: Honors Composition

Not Satisfied: OR Complete 1 course with a C or better.

· Courses: 1.00 required, 0.00 completed, 1.00 needed

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ENGL 109H

Foundation Second Language - Second Semester Proficiency

**Not Satisfied:** Credit will not be given for a course at an equivalent or lower level than prior language credit earned. Course must be taken for a grade, not as pass/fail. Third semester or higher courses used to fulfill this requirement may also be used to fulfill other requirements.

Demonstrate second semester proficiency in a second language by completing a sequence of courses through a second semester or higher level or by passing a language proficiency examination at the second semester level or higher.

**Second Semester Language Course**

**Not Satisfied:** Complete 1 course.


- **Courses:** 1.00 required, 0.00 completed, 1.00 needed

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**Courses Available**


**General Education Tier I**

Overall Requirement **Not Satisfied:** Complete 2 courses in each of the following areas.

**Tier I Individuals & Societies**

**Not Satisfied:** Fulfillment of Individuals and Societies requires completion of two distinctly numbered courses (e.g., INDV 101 & 103 or PSY 150A1 & ANTH 150B1 or PSY 150A1 & INDV 103).

Only one course may be completed from the 150A options OR INDV 101. Only one course may be completed from the 150B options OR INDV 102. Only one course may be completed from the 150C options OR INDV 103.

INDV 101 = 150A#
INDV 102 = 150B#
INDV 103 = 150C#

- **Courses:** 2.00 required, 0.00 completed, 2.00 needed

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**Courses Available**

Tier I Traditions & Cultures

Not Satisfied: Fulfillment of Traditions and Cultures requires completion of two distinctly numbered courses (e.g., TRAD 102 & 104 or AFAS 160A1 & RSSS 160A1 or TRAD 101 & RSSS 160A1).

Only one course may be completed from the 160A options OR TRAD 101. Only one course may be completed from the 160B options OR TRAD 102. Only one course may be completed from the 160C options OR TRAD 103. Only one course may be completed from the 160D options OR TRAD 104.

TRAD 101 = 160A#
TRAD 102 = 160B#
TRAD 103 = 160C#
TRAD 104 = 160D#

**Courses:** 2.00 required, 0.00 completed, 2.00 needed

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Courses Available


General Education Tier II

Overall Requirement Not Satisfied: Complete 1 course from each of the following areas.

Tier II Arts

Not Satisfied: Complete 3 units.

- Units: 3.00 required, 0.00 completed, 3.00 needed

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Courses Available

ARC 325, ARE 130, ARH 201, ARH 202, ARH 202-SA, ARH 203, ARH 312, ARH 314, ARH 315, ARH 315-SA, ARH
**BIOCBS**


**Tier II Humanities**

Not Satisfied: Prerequisite course work in Tier 1 Traditions and Cultures (TRAD) must be completed prior to taking. If LAT 201 or 202 are used to fulfill Foundation Second Language Proficiency, they cannot be used to fulfill Tier II Humanities.

- **Courses:** 1.00 required, 0.00 completed, 1.00 needed

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**Courses Available**


**Tier II Individual & Societies**

Not Satisfied: Prerequisite course work in Tier 1 Individuals and Societies (INDV) must be completed prior to taking.

- **Courses:** 1.00 required, 0.00 completed, 1.00 needed

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**Courses Available**


**Diversity Emphasis Course**

One course must be taken that focuses on Gender, Race, Class, Ethnicity, Sexual Orientation or Non-Western Area Studies.

Courses used to fulfill this requirement may also be used to fulfill other requirements.
Diversity Emphasis Course
(Academic Year, 2019-2020)

Not Satisfied: General Education Diversity Emphasis Course: Gender, Race, Class, Ethnicity, Sexual Orientation or Non-Western Area Studies.

INDV 101 will only fulfill this area if topic taken is "Race, Ethnicity, and the American Dream".

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available


Additional Coursework

Courses listed in this section may include general elective credits, UA courses and transferable courses from other institutions.
Consult with your advisor to determine if courses listed in this section may be used to fulfill a requirement or sub-requirement in your degree program.

Courses taken for Pass/Fail option can only count as elective credit. They cannot fulfill any General Education, Major, or Minor requirements.
· **Courses**: 1.00 required, 0.00 completed, 1.00 needed

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**Courses Available**

CHEM 151, (***) (###)

OR 1. Option II: First Semester Introductory Chemistry  
(R1545/L20)

Not Satisfied: Complete CHEM 105A and 106A

· **Courses**: 2.00 required, 0.00 completed, 2.00 needed

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**Courses Available**

CHEM 105A, CHEM 106A

OR 1. Option III: First Semester Introductory Chemistry  
(R1545/L30)

Not Satisfied: Complete CHEM 103A and 104A

· **Courses**: 2.00 required, 0.00 completed, 2.00 needed

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**Courses Available**

CHEM 103A, CHEM 103A-CC, CHEM 104A

2. Option I: Second Semester Introductory Chemistry  
(R1545/L40)

Not Satisfied: Complete CHEM 152

· **Courses**: 1.00 required, 0.00 completed, 1.00 needed

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**Courses Available**

CHEM 152, (***) (###)

OR 2. Option II: Second Semester Introductory Chemistry  
(R1545/L50)

Not Satisfied: Complete CHEM 105B and 106B
- Courses: 2.00 required, 0.00 completed, 2.00 needed

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Courses Available

CHEM 105B, CHEM 106B

OR 2. Option III: Second Semester Introductory Chemistry (R1545/L60)

Not Satisfied: Complete CHEM 103B and 104B

- Courses: 2.00 required, 0.00 completed, 2.00 needed

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Courses Available

CHEM 103B, CHEM 103B-CC, CHEM 104B

Biochemistry Pre-Major - Organic Chemistry (R1543)

Overall Requirement Not Satisfied: Courses used to fulfill this requirement can be used to fulfill other requirements.

1. First Semester Organic Chemistry Lecture (R1543/L10)

Not Satisfied: Complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

CHEM 246A, CHEM 241A, (***) (###)

2. First Semester Organic Chemistry Lab (R1543/L20)

Not Satisfied: Complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

CHEM 243A, CHEM 244A

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3. Second Semester Organic Chemistry Lecture  
Not Satisfied: Complete 1 course.  
- **Courses**: 1.00 required, 0.00 completed, 1.00 needed

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**Courses Available**

CHEM 241B, (***) (###), CHEM 242B, CHEM 246B

4. Second Semester Organic Chemistry Lab  
Not Satisfied: Complete 1 course.  
- **Courses**: 1.00 required, 0.00 completed, 1.00 needed

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**Courses Available**

CHEM 243B, CHEM 244B, CHEM 247B

Biochemistry Pre-Major - Math  
Overall Requirement Not Satisfied: Math

1. Calculus II  
Not Satisfied: Complete 1 course.  
- **Courses**: 1.00 required, 0.00 completed, 1.00 needed

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**Courses Available**

MATH 129, MATH 129-CC

2. Advanced Math  
Not Satisfied: Complete 1 course.  
- **Courses**: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

MATH 223, MATH 223-CC, MATH 254, MATH 254-CC

Biochemistry Pre-Major - Physics

Not Satisfied: Select one of the following options in Math Physics.

Option I: Math Physics

Not Satisfied: Complete 3 courses.

- Courses: 3.00 required, 0.00 completed, 3.00 needed

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Courses Available

PHYS 161H, PHYS 162H, PHYS 261H

OR Option II: Math Physics

Not Satisfied: Complete 3 courses.

- Courses: 3.00 required, 0.00 completed, 3.00 needed

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Courses Available

PHYS 141, PHYS 142, PHYS 241

OR Option III: Math Physics

Not Satisfied: Complete 3 courses.

- Courses: 3.00 required, 0.00 completed, 3.00 needed

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Courses Available

PHYS 140, PHYS 143, PHYS 240

BS in Biochemistry

Overall Requirement Not Satisfied: Bachelor of Science in Biochemistry
Biochemistry Major

Overall Requirement Not Satisfied: Biochemistry Major

1. Core Courses
   Not Satisfied: Complete 6 courses.
   - Courses: 6.00 required, 0.00 completed, 6.00 needed

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Courses Available

BIOC 462A, BIOC 462B, BIOC 463A, BIOC 466, ECOL 182L, ECOL 182R

2. Introductory Biology I
   Not Satisfied: Complete 4 units.
   - Units: 4.00 required, 0.00 completed, 4.00 needed

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Courses Available

MCB 181L, MCB 181R, MCB 184

3. Biochemical Research
   Not Satisfied: Complete 1 unit.
   - Units: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

BIOC 296B

4. Physical Chemistry I
   Not Satisfied: Complete 1 course.
   - Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

CHEM 480A

5. Physical Chemistry II
   (R1549/L40)
   Not Satisfied: Complete 1 course.
   - Courses: 1.00 required, 0.00 completed, 1.00 needed

Courses Available

CHEM 480B, CHEM 481

6. Capstone/Thesis
   (R1549/L50)
   Not Satisfied: Complete 6 units of BIOC 498 or 6 units of BIOC 498H.
   - Units: 6.00 required, 0.00 completed, 6.00 needed

Biochemistry Major Graduation Requirements

Overall Requirement Not Satisfied: Biochemistry Major Graduation Requirements

Mid Career Writing Assessment

Not Satisfied: Complete 2nd semester English Composition with a B grade or higher. Students who do not earn a grade of B or higher in 2nd semester English Composition must also satisfy a college or department writing requirement. Consult your major advisor if you do not earn a grade of B or higher in 2nd semester English Composition.
   - Courses: 1.00 required, 0.00 completed, 1.00 needed

Major GPA

Satisfied: A minimum 2.0 GPA is required in the major coursework.
   - Units: 0.00 completed
   - GPA: 2.000 required, 0.000 completed
**Major Residency**

Not Satisfied: A minimum of 18 units in the pre-major, supporting coursework, professional core, and/or major must be taken at the University of Arizona.

- **Units**: 18.00 required, 0.00 completed, 18.00 needed

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**Minor Optional**

Satisfied: A minor is optional for this major. Consult with your advisor to select a minor or discuss other options such as selecting a second major.