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) Candidates for a second bachelor's degree at The University of Arizona with a different award date than the first must earn no fewer than 30 units of University Credit in addition to the units required for the first degree, and must meet all requirements for the second 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
A minimum of 18 of the final 30 units taken toward degree requirements must be in residence at The University of Arizona. Consult with your academic advisor if you plan to use transfer credits to fulfill your degree requirements.

Correspondence and/or Exam Credit Limit
Satisfied: A maximum of 60 units of Correspondence Credit and/or Exam Credit may apply toward graduation.
- Units: 0.00 completed
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 (shown below) 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. All Success courses taken can be seen below. Success Course units exceeding the 3 unit maximum must be subtracted from the total units, residency requirements and cumulative grade point average.

PE Activity Course Limit
Satisfied: No more than 3 units will apply toward a student's graduation requirements. All PE activity courses taken can be seen below. PE Activity units exceeding the 3 unit maximum must be subtracted from the total units, residency requirements and cumulative grade point average.

Foundation Mathematics
Not Satisfied: Foundation Mathematics

GE Substantial Math Strand
Not Satisfied: Complete 1 course.
- Units: 2.67 required, 0.00 completed, 2.67 needed
- Courses: 0.00 completed

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Courses Available
MATH 113, MATH 122B, MATH 125

Undergraduate General Education and Foundation Requirements
Overall Requirement Not Satisfied: Undergraduate General Education and Foundation Requirements
Foundation Composition

Not Satisfied: Complete 1 of the following 4 Foundation Composition options:
1. 3 Course Foundation Composition Sequence
2. 2 course Foundation Composition sequence
3. Honors Composition with grade of C or higher
4. Honors Composition with a grade of D and Second Semester Composition.

Please note: Students who earn a grade of D in Honors Composition may choose to repeat the course in order to earn a higher grade to satisfy the requirement. Please consult with your major advisor.

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: Foundation Composition - 3 Course Sequence


· Courses: 3.00 required, 0.00 completed, 3.00 needed

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Courses Available

ENGL 101, ENGL 101A, ENGL 107, ENGL 107A, ENGL 102, ENGL 108, ENGL 106

OR Option 2: Foundation Composition - 2 Course Sequence

Not Satisfied: Complete 2 courses. Complete ENGL 101/107 AND ENGL 102/108

· Courses: 2.00 required, 0.00 completed, 2.00 needed

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Courses Available

ENGL 101, ENGL 101A, ENGL 107, ENGL 107A, ENGL 102, ENGL 108

OR Option 3: Honors Composition

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

· Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

ENGL 109H
Foundation Second Language - Second Semester Proficiency (R521)

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. A grade of C or higher is required in the course that satisfies the second language requirement.

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 (R521/L10)

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


- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

AIS 104B, AIS 307B, ARB 102, CHN 102, CRL 102, CRL 197A, FREN 102, FREN 112, GER 102, GRK 102, GRK 104, ITAL 102, ITAL 102Z, JPN 102, JUS 103B, LAT 102, LING 104B, LING 307B, MENA 103B, PORT 102, PRS 102, RSSS 102, SERP 370B, SPAN 102, SPAN 103, TURK 102

General Education Tier I (R522)

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

Tier I Individuals & Societies (R522/L10)

Not Satisfied: Complete 2 courses, 6 units total. Transfer students with quarter system credits may satisfy Tier One requirements with 2 courses and 5.34 units.

- Units: 5.34 required, 0.00 completed, 5.34 needed
- Courses: 2.00 required, 0.00 completed, 2.00 needed

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Courses Available

(***) (###), AFAS 150B1, ANTH 150B1, ART 150B1, ART 150B2, EDP 150B1, ENGL 150B1, ESOC 150B1, FREN 150B1, FSHD 150B1, FTV 150B1, GEOG 150B1, GER 150B1, GWS 150B1, GWS 150B2, GWS 150B3, GWS 150B4, GWS 150B5, HNRS 150B1, HNRS 150B2, ITAL 150B1, ITAL 150B2, ITAL 150B3, ITAL 150B4, ITAL 150B5, LAS 150B1, MAS 150B1, MAS 150B2, MIS 150B1, PA 150B1, PHIL 150B1, POL 150B1, POL 150B1, POL 150B1, RCSC 150B1, RCSC 150B2, RELI 150B1, RSSS 150B1, RSSS 150B2, SOC 150B1, SOC 150B2, SPAN 150B1, SPAN 150B2, TLS 150B1, AED 150A1, ANTH 150A1, ART 150A1, GER 150A1, HUMS 150A1, HUMS 150A2, INTR 150A1, LING 150A1, MAS 150A1, MIS 150A1, PHIL 150A1, POL 150A1, POL 150A1, PSY 150A1, AED 150C1, AREC 150C1, AREC 150C2, ECON 150C1, GEOG 150C1, HIST 150C1, HIST 150C2, HIST 150C3, HIST 150C4, HIST 150C5, HIST 150C6, HNRS 150C1, HNRS 150C1, MUSC 150C1, MUSC 150C1, SOC 150C1, SOC 150C2, SOC 150C2, SOC 150C2, SOC 150C3, SOC 150C3, SOC 150C4, SOC 150C5, SOC 150C6, SPAN 150C1, SPAN 150C1, TURK 150C1, TURK 150C1, TURK 150C1, TURK 150C1, TURK 150C1, TURK 150C1

Tier I Traditions & Cultures (R522/L30)

Not Satisfied: Transfer students with quarter system credits may satisfy Tier One requirements with 2 courses and 5.34 units.

- Units: 5.34 required, 0.00 completed, 5.34 needed
- Courses: 2.00 required, 0.00 completed, 2.00 needed

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### General Education Tier II

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

**Tier II Arts**  
**Not Satisfied:** Complete 1 course, 3 units total. Transfer students with quarter system credits may satisfy Tier Two requirements with 2.67 units.

- **Units:** 2.67 required, 0.00 completed, 2.67 needed  
- **Courses:** 1.00 required, 0.00 completed, 1.00 needed

### Courses Available


**Tier II Humanities**  
**Not Satisfied:** Complete 1 course, 3 units total. Transfer students with quarter system credits may satisfy Tier Two requirements with 2.67 units. 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.

- **Units:** 2.67 required, 0.00 completed, 2.67 needed  
- **Courses:** 1.00 required, 0.00 completed, 1.00 needed

### Courses Available

- AFAS 200, AFAS 222, AFAS 224, AFAS 230, AFAS 245, AFAS 249, AFAS 255, AFAS 310, AFAS 314, AFAS 320, AFAS 342, AFAS 365, AFAS 373, AFAS 374, AFAS 377, AFAS 381, AIS 212, AIS 381, ANTH 222, ANTH 300, ANTH

Tier II Individual & Societies

Not Satisfied: Complete 1 course, 3 units total. Transfer students with quarter system credits may satisfy Tier Two requirements with 2.67 units. Prerequisite course work in Tier 1 Individuals and Societies (INDV) must be completed prior to taking.

- **Units:** 2.67 required, 0.00 completed, 2.67 needed
- **Courses:** 1.00 required, 0.00 completed, 1.00 needed

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Courses Available


Diversity Emphasis Course

Not Satisfied: Complete 1 course, 3 units total. Transfer students with quarter system credits may satisfy Tier Two requirements with 2.67 units. Prerequisite course work in Tier 1 Individuals and Societies (INDV) must be completed prior to taking.

- **Units:** 2.67 required, 0.00 completed, 2.67 needed
- **Courses:** 1.00 required, 0.00 completed, 1.00 needed

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Diversity Emphasis Course

Not Satisfied: Complete 1 course, 3 units total. Transfer students with quarter system credits may satisfy Tier Two requirements with 2.67 units. Prerequisite course work in Tier 1 Individuals and Societies (INDV) must be completed prior to taking.

- **Units:** 2.67 required, 0.00 completed, 2.67 needed
- **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.

Microbiology Supporting Coursework

Not Satisfied: Courses used to fulfill this requirement may also be used to fulfill other requirements.

Microbiology Supporting Coursework

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

1. Biology I

Not Satisfied: Complete 4 units

- Units: 4.00 required, 0.00 completed, 4.00 needed

Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type
--- | --- | --- | --- | --- | --- | --- | --- | ---

Courses Available

MCB 181L, MCB 181R, Approved Transfer Course
2. **Biology II**
   - **Not Satisfied:** Complete ECOL 182L and 182R
     - **Units:** 4.00 required, 0.00 completed, 4.00 needed

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**Courses Available**

ECOL 182L, ECOL 182R, Approved Transfer Course

3. **Microbiology**
   - **Not Satisfied:** Complete MIC 205A and 205L
     - **Units:** 4.00 required, 0.00 completed, 4.00 needed

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**Courses Available**

MIC 205A, MIC 205L

OR 3. **Microbiology**
   - **Not Satisfied:** Complete MIC 285R and 285L
     - **Units:** 5.00 required, 0.00 completed, 5.00 needed

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**Courses Available**


4. **Inorganic Chemistry I**
   - **Not Satisfied:** Complete 4 units
     - **Units:** 4.00 required, 0.00 completed, 4.00 needed

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Courses Available

CHEM 151, Approved Transfer Course, CHEM 105A, CHEM 106A

5. Inorganic Chemistry II
   Not Satisfied: Complete 4 units
   · Units: 4.00 required, 0.00 completed, 4.00 needed

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Courses Available

CHEM 152, Approved Transfer Course, CHEM 105B, CHEM 106B

6. Organic Chemistry I
   Not Satisfied: Complete CHEM 241A and 243A
   · Units: 4.00 required, 0.00 completed, 4.00 needed

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Courses Available

CHEM 241A, CHEM 243A, Approved Transfer Course, CHEM 242A

7. Organic Chemistry II
   Not Satisfied: Complete CHEM 241B and 243B
   · Units: 4.00 required, 0.00 completed, 4.00 needed

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Courses Available

CHEM 241B, CHEM 243B, Approved Transfer Course, CHEM 242B

8. Biochemistry
   Not Satisfied: Complete BIOC 384
   · Courses: 1.00 required, 0.00 completed, 1.00 needed

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BIOC 384
Courses Available

BIOC 384

9. Communication
   Not Satisfied: Complete 1 course
   - Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

AGTM 422, COMM 119, COMM 101

10. Physics I
    Not Satisfied: Complete PHYS 102 and 181
    - Units: 4.00 required, 0.00 completed, 4.00 needed

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Courses Available

PHYS 102, PHYS 181

11. Physics II
    Not Satisfied: Complete PHYS 103 and 182
    - Units: 4.00 required, 0.00 completed, 4.00 needed

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Courses Available

PHYS 103, PHYS 182

12. Statistics
    Not Satisfied: Complete 1 course
    - Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

MATH 263, PSY 230, ISTA 116, SBS 200, MATH 163, (***) (###)

BS in Microbiology
Overall Requirement Not Satisfied: Bachelor of Science in Microbiology

Microbiology Major Core Requirements
Overall Requirement Not Satisfied: Microbiology Major Core Requirements

1. Core Courses I
   Not Satisfied: Complete 5 courses
   - Courses: 5.00 required, 0.00 completed, 5.00 needed

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Courses Available


2. Core Courses II
   Not Satisfied: Complete 1 unique course; this course may not be used in any other major or minor.
   - Courses: 1.00 required, 0.00 completed, 1.00 needed

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<tr>
<th>Term</th>
<th>Subject</th>
<th>Catalog Nbr</th>
<th>Course Title</th>
<th>Grade</th>
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Courses Available

BIOC 385, MCB 410, MCB 411, MCB 473, MIC 350

3. Core Electives
   Not Satisfied: Complete 8 unique units. None of these courses may be used for another major or a minor.
   - Units: 8.00 required, 0.00 completed, 8.00 needed

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Courses Available


Microbiology Graduation Requirements

Overall Requirement Not Satisfied: Microbiology 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

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Major Units

Not Satisfied: A minimum of 26 units must be completed in the major.

- Units: 26.00 required, 0.00 completed, 26.00 needed

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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

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Major Upper Division

Not Satisfied: A minimum of 18 units of upper-division major coursework must be completed.

- Units: 18.00 required, 0.00 completed, 18.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
### 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

### 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.