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.
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 Moderate Math Strand
Not Satisfied: Math GE

GE Moderate Math Strand
Not Satisfied: Complete 1 course from MATH 113, 122B,124,125,129,223 TO 499.
- Units: 2.67 required, 0.00 completed, 2.67 needed

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</table>
Courses Available

MATH 113, MATH 113-CC, MATH 122B, 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: Select from 1 of the 3 following options:
1. First and Second Semester Composition OR
2. Honors Composition with grade of C or higher OR
3. 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: 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 101A, ENGL 103H, ENGL 107, ENGL 107A

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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</table>
Courses Available

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. 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

Not Satisfied: Complete 1 course.


· Courses: 1.00 required, 0.00 completed, 1.00 needed
· GPA: 2.000 required, 0.000 completed

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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

*** (###), ANTH 150B1, ANTH 150B1-SA, ART 150B1, ART 150B1-SA, ART 150B2, EDP 150B1, EDP 150B1-SA, ENGL 150B1, ENGL 150B1-SA, FSHD 150B1, GEOG 150B1, GEOG 150B1-SA, GER 150B1, GER 150B1-SA, GWS
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 160C1 or TRAD 101 & RSSS 160C1).

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
## 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

## 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

## Courses Available

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Diversity Emphasis Course

**Not Satisfied:** 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

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

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

### Courses Available

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**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.

**Bachelor of Science in Science Education**

**Overall Requirement Not Satisfied:** Complete the Science Education Courses and one of the Science Education Options.

Minimum cumulative and major GPAs of 2.500 are required to be eligible for student teaching.

**Science Education Courses I**

Satisfied: Science Education Courses

OR Calculus I for Biology and Earth Science Options

Satisfied: Complete 1 course.

**Science Education Courses II**

Overall Requirement Not Satisfied: Science Education Courses

1. **Option I: First Semester Introductory Chemistry**

   Not Satisfied: Complete Chem 151

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

   **Courses Available**

   CHEM 151, .

   OR 1. **Option II: First Semester Introductory Chemistry**

   Not Satisfied: Complete CHEM 105A and 106A

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

   **Courses Available**

   CHEM 105A, CHEM 106A

2. **Option I: Second Semester Introductory Chemistry**

   Not Satisfied: Complete CHEM 152

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

**CHEM 152.**

**OR 2. Option II: Second Semester Introductory Chemistry**  
(R1557/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**

**Science Education Courses III**  
(R1559)

*Overall Requirement Not Satisfied:* Science Education Courses

1. **Science Pedagogy Courses**  
(R1559/L10)

*Not Satisfied:* Select 6 courses.

- **Courses:** 6.00 required, 0.00 completed, 6.00 needed

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### Courses Available

**STCH 250, STCH 310, STCH 410, STCH 420A, STCH 494A, STCH 496A**

2. **English Language Learner Course**  
(R1559/L20)

*Not Satisfied:* Complete 1 course.

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

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</table>
Courses Available
LCEV 408, LCEV 416

Earth Science Option
Overall Requirement Not Satisfied: Earth Science Option

Earth Science Option
Overall Requirement Not Satisfied: Earth Science Option

1. Supporting Courses - Physics
Not Satisfied: Complete 4 courses.
  · Courses: 4.00 required, 0.00 completed, 4.00 needed

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Courses Available
PHYS 102, PHYS 102-CC, PHYS 102-SA, PHYS 103, PHYS 103-CC, PHYS 181, PHYS 181-SA, PHYS 182

2. Computer Applications
Not Satisfied: Complete 1 course.
  · Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available
CSC 127A, GEOG 403, GEOG 417, RNR 403, RNR 417

3. Stars and the Universe
Not Satisfied: Complete 1 course
  · Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available
ASTR 202, ASTR 202-CC, ASTR 203

4. Earth Science
Not Satisfied: Complete 7 courses.

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</table>
- **Courses**: 7.00 required, 0.00 completed, 7.00 needed

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**Courses Available**

ATMO 336, GEOS 251, GEOS 255, GEOS 302, GEOS 304, GEOS 306, GEOS 308

5. **Elective Earth Science**

*Not Satisfied*: Complete 9 units.
A maximum of one course may be taken from MCB 181R and 184.

- **Units**: 9.00 required, 0.00 completed, 9.00 needed

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**Courses Available**

ECOL 182R, ECOL 183, ECOL 206, GEN 330, GEOG 330, GEOS 255, GEOS 322, GEOS 330, GEOS 342, GEOS 415, GEOS 446, GEOS 450, GEOS 478, GEOS 479, HWRS 250, MCB 181R, MCB 184, SWES 330, WSM 330, ECOL 182R

6. **Earth Science Pedagogy**

*Not Satisfied*: Complete 1 course.

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

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**Courses Available**

GEOS 401

*Not Satisfied*: Complete 1 course.

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

ADVR 101

Earth Science Option Major Graduation Requirements

**Overall Requirement Not Satisfied:** Earth Science Option 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:** 2.00 required, 0.00 completed, 2.00 needed

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**Major GPA**

**Satisfied:** A minimum 2.0 GPA is required in the major coursework. The major GPA will be calculated based on all course work listed under Science Education Courses and the chosen option.

- **Units:** 0.00 completed
- **GPA:** 2.000 required, 0.000 completed

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**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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</table>

**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.

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