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. 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.

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: Math GE

GE Substantial Math Strand

Not Satisfied: Complete 1 course from MATH 122B, 124, 125, 129, 223 TO 499.


- Units: 2.67 required, 0.00 completed, 2.67 needed

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Courses Available

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, MATH 313
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.

<table>
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<tr>
<th>Option 1: First Semester Composition</th>
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<tr>
<td>Not Satisfied: Complete 1 course</td>
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- 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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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 with a grade of C or better.


- 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
Courses Available

(***) (**#), ANTH 150B1, ANTH 150B1-SA, ART 150B1, ART 150B1-SA, ART 150B2, EDP 150B1, EDP 150B1-SA,
ENGL 150B1, ENGL 150B1-SA, ESOC 150B1, FSHD 150B1, GEOG 150B1, GEOG 150B1-SA, GER 150B1, GER
150B1-SA, GWS 150B1, GWS 150B1-SA, GWS 150B2, GWS 150B2-SA, GWS 150B3, GWS 150B3-SA, GWS 150B4,
GWS 150B4-SA, HNRS 150B1, HNRS 150B1-SA, HNRS 150B2, LAR 150B1, LAR 150B1-SA, LAS 150B1, LAS 150B1-
SA, MAS 150B1, MAS 150B2, MIS 150B1, MIS 150B1-SA, PA 150B1, PA 150B1-SA, PE 150B1, PE 150B1-SA, PHIL
150B1, PHIL 150B1-SA, POL 150B1, POL 150B1-SA, RCSC 150B1, RCSC 150B1-SA, RCSC 150B2, RCSC 150B2-SA,
RS 150B1, RSCS 150B1-SA, SOC 150B1, SOC 150B1-SA, SOC 150B2, SOC 150B2-SA, AED 150A1, AED 150A1-
150C1, AREC 150C1, AREC 150C1-SA, AREC 150C2, AREC 150C2-SA, ECON 150C1, ECON 150C1-SA, GEOG
150C1, GEOG 150C1-SA, HIST 150C1, HIST 150C1-SA, HIST 150C2, HIST 150C2-SA, HIST 150C3, HIST 150C3-SA,
HIST 150C4, HIST 150C4-SA, HIST 150C5, HIST 150C5-SA, HIST 150C6, HIST 150C6-SA, HNRS 150C1, JOUR
150C1, JOUR 150C1-SA, MAS 150C1, MAS 150C1-SA, MENA 150C1, MENA 150C1-SA, PHIL 150C1, PHIL 150C1-
SA, PLP 150C1, PLP 150C1-SA, POL 150C1, POL 150C1-SA, POL 150C2, POL 150C2-SA, POL 150C3, RNR 150C1,
SOC 150C1, SOC 150C1-SA, SOC 150C2, SOC 150C2-SA, TLS 150C1

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 160A2 & 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

ITAL 160B1, ITAL 160B1-SA, POL 160B1, POL 160B1-SA, ARC 160C1, ARC 160C1-SA, DNC 160C1, DNC 160C1-SA,
ENGL, ENGL 160C1, ENGL 160C1-SA, GER 160C1, GER 160C1-SA, GWS 160C1, GWS 160C1-SA, HIST 160C1, HIST
160C1-SA, POL 160C1, POL 160C1-SA, RSSS 160C1, RSSS 160C1-SA, SPAN 160C1, SPAN 160C1-SA, ACBS 160D1,
ACBS 160D1-SA, AFAS 160D1, AFAS 160D1-SA, ANTH 160D1, ANTH 160D1-SA, ANTH 160D2, ANTH 160D2-SA,
ANTH 160D3, ANTH 160D3-SA, ARC 160D1, ARC 160D1-SA, ART 160D1, ART 160D1-SA, ART 160D2, ART 160D2-
SA, ART 160D3, ART 160D3-SA, CLAS 160D1, CLAS 160D1-SA, CLAS 160D2, CLAS 160D2-SA, CLAS 160D3, CLAS
160D3-SA, ENGL 160D1, ENGL 160D1-SA, ENTO 160D1, ENTO 160D1-SA, GER 160D1, GER 160D1-SA, HNRS
160D1, HNRS 160D1-SA, HNRS 160D2, JUS 160D1, JUS 160D1-SA, MUS 160D1, PHIL 160D1, PHIL 160D1-SA, PHIL
160D2, PHIL 160D2-SA, PHIL 160D3, PHIL 160D3-SA, POL 160D1, POL 160D1-SA, RELI 160D1, RELI 160D1-SA, RELI
160D2, RELI 160D2-SA, RELI 160D3, RELI 160D3-SA, RNR 160D1, RNR 160D1-SA, RSSS 160D1, SPAN 160D1, SPAN
160D1-SA, TAR 160D1

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.
**SCEDBSES USCNC PHYSICS**

- **Units:** 3.00 required, 0.00 completed, 3.00 needed

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### Courses Available

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**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 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

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</table>

**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

---

### 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

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Courses used to fulfill this requirement may also be used to fulfill other requirements.

**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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### 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
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.

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

Not Satisfied: Science Education Courses

Calculus I

Not Satisfied: Complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

Courses Available

MATH 122B, MATH 124, MATH 125, MATH 125-CC

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, Approved Transfer Coursework

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
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**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

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**Courses Available**

CHEM 152, Approved Transfer Coursework

OR 2. **Option II: Second Semester Introductory Chemistry**
   **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**

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**Science Education Courses**

- **Overall Requirement Not Satisfied:** Science Education Courses

1. **Science Pedagogy Courses**
   **Not Satisfied:** Select 6 courses.

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

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

2. English Language Learner Course

Not Satisfied: Complete 1 course.

- Courses: 2.00 required, 0.00 completed, 2.00 needed

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Courses Available

LCEV 408, LCEV 416

Physics Option

Overall Requirement Not Satisfied: Physics Option

Physics Option

Overall Requirement Not Satisfied: Physics Option

1. Supporting Content Courses - Mathematics

Not Satisfied: Complete 3 courses.

- Courses: 3.00 required, 0.00 completed, 3.00 needed

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Courses Available

MATH 129, MATH 129-CC, MATH 223, MATH 223-CC, MATH 254, MATH 254-CC

2. Option I: Introductory Physics

Not Satisfied: Complete 4 courses

- Courses: 4.00 required, 0.00 completed, 4.00 needed

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**Courses Available**

PHYS 141, PHYS 142, PHYS 241, PHYS 263H

OR 2. Option II: Introductory Physics

*Not Satisfied:* Complete 4 courses. Maximum of 1 course can be taken from PHYS 262H and 263H; only 1 of these courses will count towards this requirement.

- **Courses:** 4.00 required, 0.00 completed, 4.00 needed

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**Courses Available**

PHYS 161H, PHYS 162H, PHYS 261H, PHYS 263H

3. Upper Division Content Courses

*Not Satisfied:* Complete 4 courses.

- **Courses:** 4.00 required, 0.00 completed, 4.00 needed

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**Courses Available**

PHYS 320, PHYS 321, PHYS 331, PHYS 381

4. Physics Science Pedagogy Course

*Not Satisfied:* Complete 1 course.

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

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**Courses Available**

PHYS 439

5. Electives

*Not Satisfied:* Complete 15 units.

- **Units:** 15.00 required, 0.00 completed, 15.00 needed
Courses Available

ASTR 300A, ASTR 300B, ASTR 403, CHEM 480A, CHEM 480B, ECOL 182L, ECOL 182R, GEOS 251, GEOS 322, GEOS 403, GEOS 419, MCB 181L, MCB 181R, MCB 184, PHIL 305, PHIL 420, PHIL 427, PHYS 403, PHYS 427, PHYS 431, PHYS 496A, PTYS 403, Approved Transfer Coursework

Physics Option Major Graduation Requirements

**Overall Requirement Not Satisfied:** Physics 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:** 1.00 required, 0.00 completed, 1.00 needed

Major GPA

**Satisfied:** A minimum 2.5 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:** 2.500 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
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.