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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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

**R3838/L10**

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

**R1227/L10**

**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

**R3297/L10**

**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.

Foundation Mathematics

**RG1434**

**Not Satisfied:** Foundation Mathematics

GE Substantial Math Strand

**R2612**

**Not Satisfied:** GE Substantial Math Strand

GE Substantial Math Strand

**R2612/L10**

**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 (RG507)
Overall Requirement Not Satisfied: Undergraduate General Education and Foundation Requirements

Foundation Composition (RS32)
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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</table>
Courses Available

ENGL 109H

Foundation Second Language - Second Semester Proficiency (RS21)

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 second semester or higher language course or by passing a language proficiency examination at the second semester level or higher.

Second Semester Language Course (RS21/L10)

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 (RS22)

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

Tier I Individuals & Societies (RS22/L10)

Not Satisfied: Fulfillment of Individuals and Societies requires completion of two distinctly numbered courses (e.g., INDV 101 & 103).

- Courses: 2.00 required, 0.00 completed, 2.00 needed

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Courses Available

INDV 101, INDV 101-SA, INDV 102, INDV 102-SA, INDV 103, INDV 103-CC, INDV 103-SA, (***) (##)

Tier I Traditions & Cultures (RS22/L30)

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

- 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

**Courses Available**

**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

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

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Courses Available


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.

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** *(RG521)*

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.

**BSES in Environmental Sciences** *(RG1030)*

**Overall Requirement Not Satisfied:** Bachelor of Science in Environmental Sciences

**Environmental Sciences Basic Core Courses** *(R1971)*

**Overall Requirement Not Satisfied:** Environmental Sciences Basic Core Courses

1. **Option 1:** Introductory Chemistry
   
   *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

OR 1. **Option 2:** Introductory Chemistry

   *Not Satisfied:* OR Complete Chem 151

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

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**Courses Available**

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

OR 1. **Option 3:** Introductory Chemistry

   *Not Satisfied:* OR 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 1: Second Semester Introductory Chemistry

Not Satisfied: Complete CHEM 103B and 104B

- Courses: 2.00 required, 0.00 completed, 2.00 needed

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OR 2. Option 2: Second Semester Introductory Chemistry

Not Satisfied: OR Complete CHEM 152

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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OR 2. Option 3: Second Semester Introductory Chemistry

Not Satisfied: OR 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

3. Organic Chemistry

Not Satisfied: Complete CHEM 241A and 243A

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

CHEM 241A, (***) (###), CHEM 243A

4. Introductory Physics

*Not Satisfied:* Complete 2 courses

- Courses: 2.00 required, 0.00 completed, 2.00 needed

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**Courses Available**

PHYS 131, PHYS 131-CC, PHYS 181

5. Introductory Biology

*Not Satisfied:* Complete 4 units

- Units: 4.00 required, 0.00 completed, 4.00 needed

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**Courses Available**


6. Core Sciences

*Not Satisfied:* Complete 4 courses

- Courses: 4.00 required, 0.00 completed, 4.00 needed

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**Courses Available**

SWES 195A, SWES 200, SWES 201, SWES 210

7. Calculus

*Not Satisfied:* Complete 1 course. A maximum of one course may be taken from MATH 124 and 125.
- **Courses**: 1.00 required, 0.00 completed, 1.00 needed

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**Courses Available**

MATH 124, MATH 125, MATH 125-CC

8. Statistics

Not Satisfied: Complete 1 course

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

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**Courses Available**

MATH 263, MATH 263-CC, ECON 276, MGMT 276, PSY 230, PSY 230-CC

9. Microbiology

Not Satisfied: Complete 2 courses

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

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**Courses Available**

MIC 205A, MIC 205L

10. Core Courses

Not Satisfied: Complete 4 courses. A maximum of one course may be taken between AREC 476 and 479.

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

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**Courses Available**

AREC 476, AREC 479, GEOG 479, HWRS 476, HWRS 479, RNR 476, RNR 479, SWES 305, SWES 430L, SWES 430R, SWES 479
11. Option 1: Analytical Chemistry
   (R1971/L150)
   **Not Satisfied:** Complete 2 courses
   - Courses: 2.00 required, 0.00 completed, 2.00 needed

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   **Courses Available**
   CHEM 325, CHEM 326

OR 11. Option 2: Principles of Analysis
   (R1971/L160)
   **Not Satisfied:** OR Complete 2 courses
   - Courses: 2.00 required, 0.00 completed, 2.00 needed

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   **Courses Available**
   CHEM 322, CHEM 323

12. Economics
   (R1971/L170)
   **Not Satisfied:** Complete 1 course
   - Courses: 1.00 required, 0.00 completed, 1.00 needed

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   **Courses Available**
   ECON 200, ECON 200-CC, ECON 201A, ECON 201A-CC

13. Writing Course
   (R1971/L180)
   **Not Satisfied:** Complete 1 course
   - Courses: 1.00 required, 0.00 completed, 1.00 needed

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   **Courses Available**
   ENGL 308, SWES 408

14. Additional Course
   (R1971/L190)
Not Satisfied: Complete 1 course

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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<th>Catalog Nbr</th>
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</table>

Courses Available

CPH 418, SWES 418, SWES 444, SWES 461, WSM 444

15. Internship, Teaching Workshop or Internship

Not Satisfied: Complete 1 course

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

ABE 397A, SWES 393, SWES 393-SA, SWES 397A, SWES 399

Option in Environmental Science and Technology

Overall Requirement Not Satisfied: Option in Environmental Science and Technology

Science and Technology Focus

Overall Requirement Not Satisfied: Science and Technology Focus

1. Core Courses

Not Satisfied: Complete 5 courses.

- Courses: 5.00 required, 0.00 completed, 5.00 needed

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Courses Available


2. Core Electives

Not Satisfied: Complete 1 course.

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

**3. Calculus and Differential Equations.**

*Not Satisfied*: Complete 3 courses.

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

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**Courses Available**

**4. Physics.**

*Not Satisfied*: Complete 2 courses.

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

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**Courses Available**

**5. Physical Chemistry.**

*Not Satisfied*: Complete 1 course.

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

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**Courses Available**

**6. Additional Units.**

*Not Satisfied*: Complete 12 units.

- **Units**: 12.00 required, 0.00 completed, 12.00 needed

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**Courses Available**

**CHEM 480A**

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**CHEM 480A**
Courses Available


Environmental Sciences Major Graduation Requirements

Overall Requirement Not Satisfied: Environmental Sciences 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 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

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.