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 consults 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

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

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

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

**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


Not Satisfied:
Fulfillment of Traditions and Cultures requires completion of two distinctly numbered courses (e.g., TRAD 102 & 104 or AFAS 160C2 & 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

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**


**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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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.

Courses Available

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# 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.

Computer Science Pre-Major
Not Satisfied: Computer Science Pre-Major

Computer Science Pre-Major
Overall Requirement Not Satisfied: Courses used to fulfill this requirement may also be used to fulfill other requirements.

Due to the dynamic nature of the field of computer science, it is recommended that students see their advisor each semester. Prospective TRANSFER STUDENTS are highly advised to talk to UA advisor well in advance of their planned transfer in order to ensure that they are taking advantage of all possible transfer course options. This will help enable a smooth transition to the UA and a timely graduation.

Admission to the Computer Science major is competitive. Selections for major admission are made early each fall and spring semester. Students will remain in pre-Computer Science standing until they submit a major application and are formally admitted to the major.

1. In order to guarantee admission to the major, a student must have:
   - a minimum of 3.00 UA GPA
   - grades of B or better in all computer science and math courses (calculus or higher) taken at UA or elsewhere
   - at least one programming course completed at the UA
   - a minimum of 24 UA units
   - completed the entire pre-major curriculum
   - at least one math course (Calculus I or higher) completed at the UA

Students who do not qualify for automatic admission should contact the department advisor.

2. Apply for admission to the major after completing 24 UA units including the following.

Calculus I
Not Satisfied: Complete 1 course. Required for the BS degree.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

Math
Not Satisfied: Complete 1 course. Required for the BA degree.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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### Courses Available

**Math II**

- **Not Satisfied:** Complete 1 course. Required for the BS degree.
  - **Courses:** 1.00 required, 0.00 completed, 1.00 needed

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**Courses Available**

**Option I: Computer Science**

- **Not Satisfied:** Complete 2 courses.
  - **Courses:** 2.00 required, 0.00 completed, 2.00 needed

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**Courses Available**

**OR Option II: Computer Science**

- **Not Satisfied:** Complete 2 courses.
  - **Courses:** 2.00 required, 0.00 completed, 2.00 needed

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**Courses Available**

**OR Option III: Computer Science**

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

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Courses Available

CSC 227

Pre-Computer Science Supporting Science Requirement

Overall Requirement Not Satisfied: Complete 2 of the following requirements. NOTE: Courses listed together count as one requirement. Courses used to fulfill this requirement can be used to fulfill other requirements.

1. 1st semester General Chemistry
   Not Satisfied: Complete CHEM 151.
   - Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

CHEM 151, Approved Transfer Course

OR 1. 1st semester Honors General 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. 2nd semester General 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 Course

OR 2. 2nd semester Honors General Chemistry

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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

3. Intro Biology II
   **Not Satisfied:** Complete 2 courses.
   - **Courses:** 2.00 required, 0.00 completed, 2.00 needed

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**Courses Available**

ECOL 182L, ECOL 182R, Approved Transfer Course

4. Environmental Biology
   **Not Satisfied:** Complete 1 course.
   - **Courses:** 1.00 required, 0.00 completed, 1.00 needed

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**Courses Available**

ECOL 206

5. Intro 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, Approved Transfer Course, MCB 184

6. Option I: Introductory Mechanics
   Not Satisfied: Complete PHYS 141
   · Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

PHYS 141

OR 6. Option II: Introduction to Mechanics
   Not Satisfied: Complete PHYS 151
   · Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

PHYS 151

OR 6. Option III: Honors Introductory Mechanics
   Not Satisfied: Complete PHYS 161H
   · Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

PHYS 161H

7. Option I: Introductory Optics and Thermodynamics
   Not Satisfied: Complete PHYS 142.
   · Courses: 1.00 required, 0.00 completed, 1.00 needed

<table>
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<th>Term</th>
<th>Subject</th>
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<th>Course Title</th>
<th>Grade</th>
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<td>PHYS</td>
<td>142</td>
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</table>
### Courses Available

**PHYS 142**

*OR 7. Option II: Introduction to Thermodynamics and Optics*  
(\textit{R1318/L30})

*Not Satisfied: Complete PHYS 152.*

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

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<th>Grade</th>
<th>Units</th>
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### Courses Available

**PHYS 152**

*OR 7. Option III: Honors Introductory Optics and Thermodynamics*  
(\textit{R1318/L40})

*Not Satisfied: Complete PHYS 162H.*

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

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### Courses Available

**PHYS 162H**

**8. Introductory Electricity and Magnetism**  
(\textit{R1403/L10})

*Not Satisfied: Complete 1 course.*

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

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### Courses Available

**PHYS 241**

**9. Physical Geology**  
(\textit{R1404/L10})

*Not Satisfied: Complete 1 course.*

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

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<th>Subject</th>
<th>Catalog Nbr</th>
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</thead>
</table>
Courses Available

GEOS 251

10. Principles of Stratigraphy and Sedimentation

Not Satisfied: Complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

GEOS 302

11. Structural Geology

Not Satisfied: Complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

GEOS 304

12. Solid State Chemistry

Not Satisfied: Complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

MSE 110

Courses Available