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
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 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.

Success Course 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: GE Substantial Math Strand

GE Substantial Math Strand

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

Overall Requirement Not Satisfied: Undergraduate General Education and Foundation Requirements

Foundation Composition

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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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.

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:

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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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

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 160A & RSSS 160A or TRAD 101 & RSSS 160C).

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

Courses Available

ARC 325, ARE 130, ARH 201, ARH 202, ARH 202-SA, ARH 203, ARH 312, ARH 314, ARH 315, ARH 315-SA, ARH
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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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

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.

BS in Mathematics

Overall Requirement Not Satisfied: Complete Introductory Chemistry or Natural Sciences.

Equivalent MATV courses may be available through UA South. For approved courses consult with your advisor.

You must complete 1 of the following:

- General Option
- Comprehensive Option
- Computer Science Option
- Economics and Business Option
Life Sciences Option
Education Option
Probability and Statistics Option

Mathematics Introductory Chemistry

Overall Requirement Not Satisfied: Complete the Chemistry sequence OR select 1 of the Natural Science sequences. Courses used to fulfill this requirement may also be used to fulfill other requirements

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 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 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

AND Option 1: Introductory Chemistry II

Not Satisfied: AND Complete CHEM 103B and 104B

• Courses: 2.00 required, 0.00 completed, 2.00 needed
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### Courses Available

**CHEM 103B, CHEM 103B-CC, CHEM 104B**

**OR Option 2: Introductory Chemistry II**

**Not Satisfied:** OR Complete CHEM 152

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

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### Courses Available

**CHEM 152, (***) (###)**

**OR Option 3: Introductory Chemistry II**

**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**

**OR Mathematics Natural Sciences**

**Not Satisfied:** Complete the above Chemistry sequence OR select 1 of the following sequences of laboratory science courses. Courses used to fulfill this requirement may also be used to fulfill other requirements.

**Option 1: Geosciences**

**Not Satisfied:** Complete 1 course

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

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### Courses Available

**GEOS 251**

**AND Option 1: Geosciences**

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

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**Courses Available**

GEOS 302, GEOS 304

**OR Option 2:** Biology  
**Not Satisfied:** OR Complete 4 units

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

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**Courses Available**

MCB 181L, MCB 181R, MCB 184

**AND Option 2:** Biology  
**Not Satisfied:** Complete 4 units

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

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**Courses Available**

ECOL 182L, ECOL 182R

**OR Option 3:** Physiology  
**Not Satisfied:** Complete 2 courses

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

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**Courses Available**

PSIO 201, PSIO 202

**OR Option 4:** Introductory Physics with Calculus I  
**Not Satisfied:** Complete 2 courses

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**Courses Available**

PHYS 131, PHYS 131-CC, PHYS 181

AND Option 4: Introductory Physics with Calculus I  
(R1192/L35)

Not Satisfied: Complete 2 courses

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

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**Courses Available**

PHYS 182

OR Option 5: Introductory Mechanics  
(R1192/L40)

Not Satisfied: OR Complete Physics 141

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

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**Courses Available**

PHYS 141

AND Option 5: Intro Thermodynamics & Optics or Electricity & Magnetism  
(R1192/L50)

Not Satisfied: AND Complete 1 course from Physics 142 or Physics 241

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

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**Courses Available**

PHYS 142, PHYS 241

OR Option 6: Introduction to Mechanics  
(R1192/L60)

Not Satisfied: OR Complete 2 courses

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**Courses Available**

PHYS 151, PHYS 152

OR Option 7: Honors Physics

Not Satisfied: OR Complete 2 courses

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

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**Courses Available**

PHYS 161H, PHYS 162H

**Mathematics Application Courses**

Not Satisfied: Complete at least 6 units of non-math coursework with a prerequisite or corequisite of at least Calculus I (MATH 124 or higher). Courses used to fulfill this requirement may also be used to fulfill other requirements.

Courses with Calculus Prerequisite

Not Satisfied: Consult with the advisor to discuss approved courses.

· **Units:** 6.00 required, 0.00 completed, 6.00 needed

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**Courses Available**


**Math Major Requirements**

Overall Requirement Not Satisfied: Math Major Requirements

**Introduction Course**

Not Satisfied: Complete 1 course

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

**MATH** 124, **MATH** 125, **MATH** 125-CC

**Option 1:** Calculus and Differential Equations 1

- **Not Satisfied:** Complete MATH 129 and MATH 355

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

### Courses Available

**MATH** 129, **MATH** 129-CC, **MATH** 355

**OR Option 2:** Calculus and Differential Equations 2

- **Not Satisfied:** Complete MATH 250A and MATH 250B

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

### Courses Available

**MATH** 250A, **MATH** 250B

**Introduction to Computer Science**

- **Not Satisfied:** Complete 1 course

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

### Courses Available

**CSC** 127A, **ISTA** 130

**Core Courses**

- **Not Satisfied:** Complete 3 courses

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

MATH 215, MATH 223, MATH 223-CC, MATH 323

**Sub Plan Required**

Not Satisfied: A sub-plan is required for this major. Please consult with your advisor.

Select 1 from the following options: General Option or Comprehensive Option or Computer Science Option or Probability and Statistics Option or Economics Business Option or Education Option or Life Sciences Option.