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
Not Satisfied: 128 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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Page 1 of 13
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 64 units of course work must be completed at a 4-year institution, military institution, or as test credit.
- **Units**: 64.00 required, 0.00 completed, 64.00 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

- **Units**: 2.67 required, 0.00 completed, 2.67 needed
- **Courses**: 0.00 completed
Courses Available

MATH 124, MATH 125, MATH 125-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
GE Foundation Second Language not required  
Satisfied: There is no second language required for your major.

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


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 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
Courses Available


General Education Tier II

Overall Requirement Not Satisfied: Majors must complete Tier II Individual and Societies. Choose one additional Tier II courses from Tier II Arts or Tier II Humanities to complete the requirement.

Option 1: Tier II Arts

Not Satisfied: Complete 3 units.

- Units: 3.00 required, 0.00 completed, 3.00 needed

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Courses Available


OR Option 2: Tier II Humanities

Not Satisfied: Complete 1 course. 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

AFAS 200, AFAS 222, AFAS 224, AFAS 245, AFAS 245-CC, AFAS 249, AFAS 255, AFAS 315, AFAS 320, AFAS 365, AFAS 381, ANTH 222, ARH 300, ARH 329, ART 329, CHN 245, CLAS 220, CLAS 221, CLAS 221-SA, CLAS 260, CLAS 300, CLAS 300-SA, CLAS 329, CLAS 342, CLAS 346, ENGL 220A, ENGL 220B, ENGL 231, ENGL 245, ENGL 245-CC,
ENGL 260, ENGL 260-SA, ENGL 265, ENGL 265-CC, ENGL 267, ENGL 267-SA, ENGL 280, ENGR 317, FREN 245, 
FREN 245-CC, FREN 249, FREN 280, FREN 282, FREN 282-CC, FREN 283, FREN 283-CC, FREN 284, FREN 
284-CC, FREN 287, FREN 287-CC, FREN 287-CC, FREN 287-SA, FREN 287-SA, GER 373, GER 375, GER 
276, GER 278, GER 278, GER 278, GES 373, GES 375, GER 376, GER 377, GWS 200, GWS 317, GWS 
330, GWS 373, HIST 224, HIST 277A, HIST 277B, HIST 278, HIST 372A, HIST 372B, HNRS 200, 
ITAL 230, ITAL 240, ITAL 250, ITAL 250, ITAL 250C, ITAL 250, ITAL 300B, JPN 220, JPN 311, JUS 
301, JUS 325, JUS 325A, JUS 325B, JUS 325B, LAT 201, LAT 201-SA, LAT 202, LAT 202-SA, MAR 
325, NES 277A, NES 277B, NES 372A, NES 372B, PHI 210, PHI 213, PHI 220, PHI 222, PHI 260, 
PHI 261, PHI 262, PHI 325, PHI 325-SA, PHI 330, RELI 210, RELI 220, RELI 220A, RELI 220B, RELI 
250, RELI 255, RELI 277A, RELI 300, RELI 304, RELI 372A, RELI 372B, RELI 379, RSS 210, RSS 
304, RSS 340, RSS 350, SPAN 210, SPAN 210-SA, (***) (###)

AND Tier II Individual & Societies

Not Satisfied: Complete 1 course. 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

AED 210, AED 309, AED 408, AFAS 260, AFAS 340, AGTM 380, AIS 210, AIS 346, AIS 347, ANTH 202, ANTH 203, 
ANTH 307, ANTH 314, ANTH 316, ANTH 320, ANTH 346, ANTH 346-CC, ANTH 347, ANTH 347-CC, ANTH 380, ANTV 
200, ECON 200-CC, ECON 200, ECON 200, ECON 200-CC, ECON 205, EDP 200, FCSC 302, FSHD 200, FSHD 
347, GEOG 350, GEOG 205, GEOG 250, GEOG 251, GEOG 251-CC, GEOG 256, GEOG 367, GEOG 380, GER 
370B, JUS 370B, JUS 370B, JUS 370B-CC, LAS 251, LING 210, LING 211, LRC 204, LRC 399, MAS 265, 
MAS 365, NES 251, NES 334, NESV 334, NURS 310, PA 205, PA 233, PHIL 205, PHIL 211, PHIL 233, 
PHIL 264, PHI 330, PHI 345, PHI 346, PHI 347, PLG 256, POL 201, POL 201-CC, POL 201-CC, POL 
202, POL 202-CC, POL 202-SA, POL 203, POL 204, POL 204-CC, PSY 200, PSY 277, PSY 345, PSY 
346, PSY 347, PSY 461A, RCSC 204, RELI 233, RELI 305, RELI 334, RELI 370A, RELI 370B, RELV 
334, RNR 256, RSS 315, RSS 328, SERP 200, SOC 260, SOC 260-CC, SOC 280, SOC 367, SPH 310, TTE 
200, (***) (###)

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

AED 408, AFAS 160A1, AFAS 160A1-SA, AFAS 160A2, AFAS 160A2-SA, AFAS 222, AFAS 245, AFAS 245-CC, AFAS 
249, AFAS 255, AFAS 260, AFAS 302, AFAS 304A, AFAS 304A-SA, AFAS 304B, AFAS 306, AFAS 315, AFAS 
330, AFAS 330-CC, AFAS 340, AFAS 342, AFAS 365, AFAS 381, AFAS 444, AFAS 467, AFAS 468, AIS 
316, ANTH 320, ANTH 346, ANTH 346-CC, ANTH 347, ANTH 347-CC, ANTH 375, ANTH 402, ANTH 
450, ANTH 467, ARH 203, CHN 245, CHN 251, CHN 275, CHN 276, CHN 276-
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.

BSSYE in Systems Engineering

Overall Requirement Not Satisfied: Bachelor of Science in Systems Engineering

Systems Engineering Advanced Standing

Overall Requirement Not Satisfied: The following course work must be completed with a GPA of 2.0 to achieve advanced standing:

Option 1: English Composition

Not Satisfied: Complete 2 courses

- Courses: 2.00 required, 0.00 completed, 2.00 needed

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Courses Available

ENGL 101, ENGL 103H, ENGL 107, ENGL 102, ENGL 104H, ENGL 108

OR Option 2: English Composition

Not Satisfied: Complete 1 course

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

ENGL 109H

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

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**Mathematics**

PHYS 141, PHYS 241

- Not Satisfied: Complete 4 courses
- Courses: 4.00 required, 0.00 completed, 4.00 needed

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<td>MATH</td>
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<td>125, MATH 129-CC, MATH 223, MATH 254</td>
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**First Semester Chemistry**

- Not Satisfied: Complete 4 units
- Units: 4.00 required, 0.00 completed, 4.00 needed

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<td>103A, CHEM 103A-CC, CHEM 104A, CHEM 151, (***) (###), CHEM 105A, CHEM 106A</td>
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**Second Semester Chemistry**

- Not Satisfied: Complete 4 units

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- Units: 4.00 required, 0.00 completed, 4.00 needed

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Courses Available

MSE 110, CHEM 152, (***)(###), CHEM 103B, CHEM 103B-CC, CHEM 104B, MCB 181L, MCB 181R

Engineering Science

Not Satisfied: Complete 1 course

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

ENGR 102

Engineering Science

Not Satisfied: Complete 1 course

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

CSC 127A, ECE 175

Core Courses

Not Satisfied: Complete 5 courses: Grade of C or better required in SIE 250, 265, 270, 277.

- Courses: 5.00 required, 0.00 completed, 5.00 needed

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Courses Available

ENGR 265, SIE 250, SIE 265, SIE 270, SIE 270-CC, SIE 277, SIE 295S
System Engineering Supporting Sciences

Overall Requirement Not Satisfied: System Engineering Supporting Sciences

First Semester Chemistry

Not Satisfied: Complete 4 units.

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

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Courses Available

CHEM 151, (***) (###), CHEM 103A, CHEM 103A-CC, CHEM 104A, CHEM 105A, CHEM 106A

Second Semester Chemistry

Not Satisfied: Complete 4 units

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

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Courses Available

CHEM 152, (***) (###), MCB 181L, MCB 181R, MSE 110, CHEM 103B, CHEM 103B-CC, CHEM 104B

System Engineering Supporting Sciences

Overall Requirement Not Satisfied: System Engineering Supporting Sciences

Introductory Course

Not Satisfied: Complete 3 courses

- Courses: 3.00 required, 0.00 completed, 3.00 needed

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Courses Available

ENGR 102, ENGL 308, ECE 207

Introductory Courses

Not Satisfied: Complete 1 course

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

**Mathematics Courses**

**CSC 127A, ECE 175**

**Not Satisfied:** Complete 3 courses

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

### Courses Available

**Mathematics Courses**

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

**Not Satisfied:** Complete 2 courses

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

### Courses Available

**Physics Courses**

**PHYS 141, PHYS 241**

**Not Satisfied:** Complete 2 courses

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

### System Engineering Major

**Overall Requirement Not Satisfied:** System Engineering Major

**Core Courses**

**Not Satisfied:** Complete 17 courses

- **Courses:** 17.00 required, 0.00 completed, 17.00 needed
Courses Available


Technical Electives  
Not Satisfied: Complete 4 courses of technical electives in accordance with your option or approval of your advisor.

- Courses: 4.00 required, 0.00 completed, 4.00 needed

Technical Electives  
Not Satisfied: Complete 1 unit of free elective

- Units: 1.00 required, 0.00 completed, 1.00 needed

System Engineering Graduation Requirements

Overall Requirement Not Satisfied: System Engineering 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: 2.00 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

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**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.