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
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
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 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. 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: GE Substantial Math Strand

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

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Courses Available
MATH 122B, 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: 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 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

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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

**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

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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 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

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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

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

Courses Available

AFAS 200, AFAS 222, AFAS 224, AFAS 230, AFAS 245, AFAS 245-CC, AFAS 249, AFAS 255, AFAS 310, AFAS 314, AFAS 320, AFAS 342, AFAS 365, AFAS 375, AFAS 377, AFAS 381, AIS 381, ANC 222, ANC 300, ARH 300, ARH 329, ART 329, CHN 245, CLAS 220-SA, CLAS 221, CLAS 221-SA, CLAS 260, CLAS 300, CLAS 300-SA, CLAS 329, CLAS 335, CLAS 335-SA, CLAS 342, CLAS 346, ENGL 220A, ENGL 220B, ENGL 230, ENGL 231, ENGL 245, ENGL 245-CC, ENGL 245B, ENGL 260, ENGL 260-SA, ENGL 265, ENGL 265-CC, ENGL 267, ENGL 267-SA, ENGL 280, ENGL 342, ENGL 375, ENGV 360, FREN 245, FREN 245-CC, FREN 249, FREN 280, FREN 280-SA,
FREN 282, FREN 282-CC, FREN 283, FREN 283-CC, FREN 284, FREN 284-CC, FREN 373, FREN 374, FREN 375, 
FTV 235, GER 242, GER 246, GER 273, GER 275, GER 276, GER 278, GER 312, GER 325, GER 371, GER 373, 
GER 375, GER 376, GER 379, GWS 200, GWS 317, GWS 330, GWS 342, GWS 373, HIST 224, HIST 247, HIST 277A, 
HIST 277B, HIST 278, HIST 372A, HIST 372B, HNRS 200, HNRS 208A, HNRS 208H, HNRS 209, HNRS 209-SA, 
250D, ITAL 330B, JPN 220, JPN 311, JUS 301, JUS 325, JUS 372A, JUS 372B, JUS 376, LAS 310, LAT 201, LAT 201- 
SA, LAT 202, LAT 202-SA, MENA 277A, MENA 277B, MENA 372A, MENA 372B, PHIL 210, PHIL 213, PHIL 220, PHIL 
222, PHIL 260, PHIL 261, PHIL 262, PHIL 325, PHIL 325-SA, PHIL 330, RELI 210, RELI 211, RELI 212, RELI 220, RELI 
220A, RELI 220B, RELI 250, RELI 277A, RELI 300, RELI 304, RELI 350, RELI 367, RELI 372A, RELI 372B, RELI 381, 
RELI 385, RSSS 210, RSSS 304, RSSS 340, RSSS 345, RSSS 350, SPAN 210, SPAN 210-SA, (***) (###)

AND Tier II Individual & Societies

(R2778/L30)

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 220, AFAS 220-CC, AFAS 223, AFAS 260, AFAS 340, AFAS 376, AFAS 444, 
AGTM 380, AGTM 380-SA, AIS 210, AIS 346, AIS 347, ANTH 202, ANTH 203, ANTH 204, ANTH 307, ANTH 314, 
ANTH 316, ANTH 320, ANTH 330, ANTH 346, ANTH 346-CC, ANTH 347, ANTH 347-CC, ANTH 380, ANTV 307, AREC 
CPH 444, EAS 280, ECON 200, ECON 200-CC, ECON 201A, ECON 201A-CC, ECON 205, EDL 200, EDP 200, ESCC 
210, FSCC 302, FSHD 200, FSHD 347, GEOG 205, GEOG 210, GEOG 210-CC, GEOG 250, GEOG 251, GEOG 251- 
CC, GEOG 256, GEOG 270, GEOG 367, GEOG 380, GER 274, GER 274-SA, GPSV 365, GWS 240, GWS 260, GWS 
233, GWS 328, GWS 362, HED 350, HIST 246, HIST 370A, HIST 370B, HNRS 204H, HNRS 205H, HNRS 206H, HNRS 
207H, HNRS 217, HNRS 221, HUMS 376, ISTA 263, ITAL 330D, JOUR 305, JUS 370A, JUS 370A-CC, JUS 370B, JUS 
370B-CC, LAS 204, LAS 330, MAS 65, MAS 365, MENS 251, MENS 330, MENS 334, NESC 255, NESC 305, PA 
205, PA 250, PA 323, PHIL 205, PHIL 211, PHIL 214, PHIL 223, PHIL 233, PHIL 241, PHIL 246, PHIL 250, PHIL 
264, PHIL 323, PHIL 326, PHIL 345, PHIL 346, PHIL 347, PHIL 348, PLG 202, PLG 211, PLG 256, POL 201, POL 
201-CC, POL 201-SA, POL 202, POL 202-CC, POL 202-SA, POL 203, POL 204, POL 204-CC, POL 250, PSY 
200, PSY 240, PSY 240-CC, PSY 241, PSY 277, PSY 345, PSY 346, PSY 347, PSY 348, RSCC 204, RELI 233, 
RELI 305, RELI 306, RELI 315, RELI 323, RELI 326, RELI 334, RELI 360, RELI 370A, RELI 370B, RELV 334, RNR 
256, RSSS 275, RSSS 315, RSSS 328, SERP 200, SLHS 255, SLHS 310, SOC 220, SOC 260, SOC 260-CC, SOC 
260-SA, SOC 280, SOC 357, SOC 367, SPAN 220, TLS 200, TLS 204, TLS 239, TLS 240, (***)(###)

Diversity Emphasis Course

(R531)

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

(R531/L10)

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

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Courses Available

223, AFAS 230, AFAS 245, AFAS 245-CC, AFAS 249, AFAS 255, AFAS 260, AFAS 302, AFAS 304A, AFAS 304A-SA,
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.

BSAEE in Aerospace Engineering

Overall Requirement Not Satisfied: Bachelor of Science in Aerospace Engineering. In order to take Advanced Courses in this major, a student must achieve Advanced Standing. This requires a GPA of 2.50 in the Foundation Coursework listed below.

Engineering Foundation Coursework

Overall Requirement Not Satisfied: Departments require a specific GPA in Advanced Standing Requirement courses.

Math - Calculus I

Not Satisfied: Complete 3 units.

- Units: 3.00 required, 0.00 completed, 3.00 needed

Courses Available

- MATH 122B, MATH 124, MATH 125, MATH 125-CC
Math - Calculus II

- **Not Satisfied:** Complete 3 units.
  - **Units:** 3.00 required, 0.00 completed, 3.00 needed

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**Courses Available**

MATH 129, MATH 129-CC, MATH 250A

Math - Vector Calculus

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

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**Courses Available**

MATH 223, MATH 223-CC

Math - Differential Equations

- **Not Satisfied:** Complete 3 units.
  - **Units:** 3.00 required, 0.00 completed, 3.00 needed

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**Courses Available**

MATH 250B, MATH 254, MATH 254-CC

Science - Gen Chemistry I

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

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**Courses Available**

CHEM 151, Approved Transfer Course, CHEM 103A, CHEM 103A-CC, CHEM 104A, CHEM 105A, CHEM 106A
Science - Intro Mechanics Physics
Not Satisfied: Complete 4 units.
- Units: 4.00 required, 0.00 completed, 4.00 needed

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Courses Available

PHYS 141, PHYS 161H

Science - Intro Elec & Magnetism Physics
Not Satisfied: Complete 4 units.
- Units: 4.00 required, 0.00 completed, 4.00 needed

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Courses Available

PHYS 241, PHYS 261H

Engineering Courses - Aerospace
Not Satisfied: Complete 11 units.
- Units: 11.00 required, 0.00 completed, 11.00 needed

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Courses Available

AME 105, AME 205, AME 220, AME 230, AME 250

Engineering Courses - Additional Courses I
Not Satisfied: Complete 3 units.
- Units: 3.00 required, 0.00 completed, 3.00 needed

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### Courses Available

ENGR 102A, ENGR 102B, ENGR 102

**Engineering Courses - Aerospace Additional Courses II**

Not Satisfied: Complete 9 units. Complete one course between ABE 221 and CE 210

- **Units:** 9.00 required, 0.00 completed, 9.00 needed

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### Courses Available

ECE 175, CE 214, ABE 221, ENGR 221, CE 210

**English Composition**

Not Satisfied: Complete 6 units.

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

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### Courses Available

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

**OR** English Composition

Not Satisfied: Complete 3 units.

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

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### Courses Available

ENGL 109H

**Aerospace Engineering Advanced Courses**

Overall Requirement Not Satisfied: Aerospace Engineering Advanced Courses

1. **Aerospace Engineering Advanced Courses I**

   Not Satisfied: Complete 38 units.

   - **Units:** 38.00 required, 0.00 completed, 38.00 needed

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**Courses Available**

AME 300, AME 301, AME 302, AME 313, AME 320, AME 321, AME 323, AME 324A, AME 324L, AME 401, AME 420, AME 425, AME 427, AME 457, AME 495S

2. Aerospace Engineering Advanced Courses II [R15600/L20]

*Not Satisfied:* Complete 3 units.

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

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**Courses Available**

AME 324B, AME 324C

3. Aerospace Engineering Advanced Courses III [R15600/L30]

*Not Satisfied:* Complete 3 units.

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

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**Courses Available**

AME 422

4. Aerospace Engineering Advanced Courses IV [R15600/L40]

*Not Satisfied:* Complete 3 units.

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

**AME 463, AME 431**

**5 Additional Engineering Advanced Courses**

**Not Satisfied:** Complete 3 units.

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

### Courses Available

**MSE 331R**

**Aerospace Engineering Technical Electives**

**Overall Requirement Not Satisfied:** Aerospace Engineering Technical Electives

**1. AME or BME 400 Level Technical Electives**

**Not Satisfied:** Complete 3 units. AME 463 can be taken as a technical elective if AME 431 is used to fulfill core coursework in section above (and vice-versa). AME 499 has a 3 unit maximum in fulfilling tech. elects.

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

### Courses Available

**ABE 488, ABE 489A, AME 426, AME 429, AME 430, AME 432, AME 433, AME 442, AME 444, AME 445, AME 446, AME 451, AME 452, AME 454, AME 460, AME 462, AME 466, AME 472, AME 480, AME 483, AME 487, AME 488, AME 489A, AME 492, AME 493, AME 493-SA, AME 499, AME 499-SA, AME 499H, BME 416, BME 417, BME 466, BME 483, ECE 417**

**2. AME or Non-AME 300/400 Level Technical Electives**

**Not Satisfied:** Complete 3 units. If ENGL 308 is used to fulfill MCWA requirement, it may not be used as a tech. elect.

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

### Courses Available

**ABE 423, ABE 447, AME 3TR, AME 300, AME 301, AME 302, AME 313, AME 320, AME 321, AME 323, AME 324A, AME 324B, AME 324C, AME 324L, AME 331, AME 352, AME 392, AME 399, AME 399-SA, AME 399H, AME 400, AME 400**
Aerospace Engineering Graduation Requirements

Overall Requirement Not Satisfied: Aerospace 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: 2.000 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.