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

GE Substantial Math Strand
Not Satisfied: Complete 1 course.
- 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 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

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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

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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 230, AFAS 245, AFAS 245-CC, AFAS 249, AFAS 255, AFAS 310, AFAS 314, AFAS 320, AFAS 324, AFAS 365, AFAS 373, AFAS 374, AFAS 375, AIS 381, AIS 381, ANTH 222, ANTH 300, ARH 300, ARH 329, ART 229, CHN 248, CLAS 220, 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 248B, 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,

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

### Courses Available

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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.

**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

### Courses Available

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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.

BSMNE in Mining Engineering

Overall Requirement Not Satisfied: Bachelor of Science Mining Engineering

MNE Advanced Standing Courses

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

First Semester Chemistry

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 105A, CHEM 106A
Second Semester Chemistry

Not Satisfied: Complete 4 units.

- Units: 4.00 required, 0.00 completed, 4.00 needed

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Courses Available

CHEM 152, Approved Transfer Course, CHEM 105B, CHEM 106B

Physics Courses

Not Satisfied: Complete 8 units.

- Units: 8.00 required, 0.00 completed, 8.00 needed

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Math Requirement I

Not Satisfied: Complete 9 units.

- Units: 9.00 required, 0.00 completed, 9.00 needed

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Courses Available

PHYS 141, PHYS 241, Approved Transfer Work

Math Requirement II

Not Satisfied: Complete 3 units.

- Units: 3.00 required, 0.00 completed, 3.00 needed

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Courses Available
MATH 122B, MATH 124, MATH 125, MATH 125-CC

Additional Supporting Course Work
Overall Requirement Not Satisfied: MNE Supporting Course Work.

Intro to Engineering
Not Satisfied: Complete 3 units.
· Units: 3.00 required, 0.00 completed, 3.00 needed

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Engineering Courses
Not Satisfied: Complete 7 courses.
· Courses: 7.00 required, 0.00 completed, 7.00 needed

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Courses Available
CE 214, CE 215, CE 215-CC, CE 218, GEN 210, MNE 204, MNE 205, MNE 210, MNE 296A, MNE 430

Additional Engineering Courses
Not Satisfied: Complete 8 units.
· Units: 8.00 required, 0.00 completed, 8.00 needed

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Courses Available
GEOS 251, GEOS 304

Mining Engineering Major
Overall Requirement Not Satisfied: The Major GPA shall include all UA Mining Engineering courses, including those crosslisted
with Mining Engineering, regardless of whether they satisfy specific major requirements.

Complete one of the four Technical Elective Tracks in consultation with an advisor.


**Major Core Courses**

*R3016/L10*

*Not Satisfied:* Complete 25 units.

*Units:* 25.00 required, 0.00 completed, 25.00 needed

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**Courses Available**

ENGR 422, GEN 426, GEN 427, MNE 396A, MNE 407, MNE 419, MNE 422, MNE 426, MNE 427, MNE 436, MNE 438, MNE 444, MNE 476

**Additional Major Core Courses**

*R3016/L20*

*Not Satisfied:* Complete 3 units.

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

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**Courses Available**

CE 310, GEN 402, MNE 402, SIE 305, SIE 305-CC, SIE 305-SA

**Mine Operations Track**

*R3019*

*Overall Requirement Not Satisfied:* Mine Operations Track

**Mine Operation Core Courses**

*R3019/L10*

*Not Satisfied:* Complete 9 units.

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

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Courses Available

GEN 415, MNE 411, MNE 415, MNE 447, MSE 411

Technical Electives
Not Satisfied: Complete 5 units in consultation with an advisor.

- Units: 5.00 required, 0.00 completed, 5.00 needed

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Courses Available

ADVR 101

OR: Geomechanics Track
Overall Requirement Not Satisfied: Geomechanics Track

Geomechanics Core Courses I
Not Satisfied: Complete 11 units.

- Units: 11.00 required, 0.00 completed, 11.00 needed

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Courses Available

CE 349, GEN 415, MNE 415, MNE 447

Technical Electives
Not Satisfied: Complete 3 units in consultation with an advisor.

- Units: 3.00 required, 0.00 completed, 3.00 needed

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OR: Sustainable Resource Development Track
Overall Requirement Not Satisfied: Sustainable Resource Development Track

Core Courses
Not Satisfied: Complete 6 units.
- **Units:** 6.00 required, 0.00 completed, 6.00 needed

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**Courses Available**

- CE 484, CPH 484, MNE 411, MNE 484, MSE 411, NSC 484, PCOL 484

**Technical Electives**

- **Not Satisfied:** Complete 8 units in consultation with an advisor.
  - **Units:** 8.00 required, 0.00 completed, 8.00 needed

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**OR: Mineral Processing Track**

**Overall Requirement Not Satisfied:** Mineral Processing Track

**Core Courses**

- **Not Satisfied:** Complete 12 units.
  - **Units:** 12.00 required, 0.00 completed, 12.00 needed

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**Courses Available**

- MNE 411, MNE 439, MNE 450, MNE 465, MSE 411

**Technical Electives**

- **Not Satisfied:** Complete 2 units in consultation with an advisor.
  - **Units:** 2.00 required, 0.00 completed, 2.00 needed

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Courses Available

ADVR 101

**AND: Senior Capstone**

Not Satisfied: Senior Capstone (Required for all tracks)

Senior Capstone

Not Satisfied: Complete 3 units.

- Units: 3.00 required, 0.00 completed, 3.00 needed

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Courses Available

MNE 498

**Mining Engineering Graduation Requirements**

Overall Requirement Not Satisfied: Mining 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

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Major GPA

Satisfied: A minimum 2.0 GPA is required in the major coursework.

- GPA: 2.000 required, 0.000 completed

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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.