Academic Advisement Report  
UGRD, UENGR, MNEBSMNE  
Undergraduate Career  
College of Engineering Program  
Mining Engineering Major (BSMNE)  
Requirement Term: Fall 2010

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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**Correspondence and/or Exam Credit Limit** *(R2075/L10)*

**Satisfied:** A maximum of 60 units of Correspondence Credit and/or Exam Credit may apply toward graduation.

**Non Degree Seeking Limit** *(R838/L10)*

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** *(R1227/L30)*

**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** *(R3297/L10)*

**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** *(RG1434)*

**Not Satisfied:** Foundation Mathematics

**GE Substantial Math Strand** *(R2439)*

**Not Satisfied:** GE Substantial Math Strand

**GE Substantial Math Strand** *(R2439/L10)*

**Not Satisfied:** Complete 1 course.

- **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

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 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

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
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).

- Courses: 2.00 required, 0.00 completed, 2.00 needed

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Courses Available

INDV 101, INDV 101-SA, INDV 102, INDV 102-SA, INDV 103, INDV 103-CC, INDV 103-SA, (***) (###)

Tier I Traditions & Cultures

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

- Courses: 2.00 required, 0.00 completed, 2.00 needed

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Courses Available

TRAD 101, TRAD 101-CC, TRAD 102, TRAD 102-CC, TRAD 103, TRAD 103-SA, TRAD 104, TRAD 104-SA, (***) (###)

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

ARC 325, ARE 130, ARH 201, ARH 202, ARH 202-SA, ARH 203, ARH 312, ARH 314, ARH 315, ARH 315-SA, ARH 316A, ARH 316B, ARH 319, ARH 320, ARH 321, ARH 322, ARH 324, ARH 325, ARH 329, ART 203, ART 242, ART

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


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


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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**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, (***) (###), 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

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**Courses Available**

CHEM 103B, CHEM 103B-CC, CHEM 104B, CHEM 152, (***) (###), CHEM 105B, CHEM 106B

**Physics Courses**

**Not Satisfied:** Complete 2 courses.

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

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**Courses Available**

PHYS 141, PHYS 241

**Math Requirement I**

**Not Satisfied:** Complete 3 courses.

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

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**Courses Available**
Math Requirement II

Not Satisfied: Complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

MATH 124, MATH 125, MATH 125-CC

Engineering Courses

Not Satisfied: Complete 6 courses.

- Courses: 6.00 required, 0.00 completed, 6.00 needed

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Supporting Course Work

Overall Requirement Not Satisfied: MNE Supporting Course Work.

First Semester Chemistry

Not Satisfied: Complete 4 units.

- Units: 4.00 required, 0.00 completed, 4.00 needed

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Courses Available

CE 214, CE 215, CE 215-CC, GEN 200, GEN 210, GEOS 251, MNE 200, MNE 210, MNE 296A

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 103B, CHEM 103B-CC, CHEM 104B, CHEM 152, (***) (###), CHEM 105B, CHEM 106B

**Physics Courses** (R3017/L30)

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

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### Courses Available

PHYS 141, PHYS 241

**Mathematics Requirements** (R3017/L40)

- **Not Satisfied:** Complete 3 courses.
  - **Courses:** 3.00 required, 0.00 completed, 3.00 needed

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### Courses Available

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

**Engineering Courses** (R3017/L50)

- **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, ENGR 102, ENGR 211K, ENGR 211M, ENGR 211P
### Additional Engineering Courses

**Not Satisfied:** Complete 2 courses.

- **Courses:** 2.00 required, 0.00 completed, 2.00 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 three Technical Elective Options in consultation with an advisor. Mine Operations, Geomechanics and Sustainable Resource Development.

### Major Core Courses

**Not Satisfied:** Complete 12 courses.

- **Courses:** 12.00 required, 0.00 completed, 12.00 needed

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### Courses Available

ENGR 422, GEN 200, GEN 210, GEN 426, GEN 427, MNE 200, MNE 210, MNE 296A, MNE 396A, MNE 406A, MNE 407, MNE 412, MNE 422, MNE 426, MNE 427, MNE 434, MNE 438

### Additional Major Core Courses

**Not Satisfied:** Complete 1 course.

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

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

Mine Operations Option
Overall Requirement Not Satisfied: Mine Operations Option

Mine Operation Core Courses
Not Satisfied: Complete 5 courses.
- Courses: 5.00 required, 0.00 completed, 5.00 needed

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Courses Available
GEN 415, MNE 411, MNE 415, MNE 419, MNE 430, MNE 447, MSE 411

Additional Courses
Not Satisfied: Complete 6 units in consultation with an advisor.
- Units: 6.00 required, 0.00 completed, 6.00 needed

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Courses Available
ADVR 301, ADVR 302, ADVR 303, ADVR 304, ADVR 305, ADVR 306, ADVR 307, ADVR 308, ADVR 309, ADVR 310, ADVR 401, ADVR 402, ADVR 403, ADVR 404, ADVR 405, ADVR 406, ADVR 407, ADVR 408, ADVR 409, ADVR 410

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

OR: Geomechanics Option
Overall Requirement Not Satisfied: Geomechanics Option
Geomechanics Core Courses I

**Not Satisfied:** Complete 9 units.

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

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Courses Available

ABE 221, CE 333, CE 335, CE 484, CPH 484, ENGR 221, GEN 330, GEN 448, GEOG 330, GEOG 416A, GEOG 417, GEOG 422, GEOS 322, GEOS 330, GEOS 432, GEOS 434A, GEOS 448, MNE 430, MNE 484, N_SC 484, PCOL 484, RNR 416A, RNR 417, RNR 422, SWES 330, SWES 417, WSM 330

OR: Geomechanics Core Courses II

**Not Satisfied:** Complete 9 units in consultation with an advisor.

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

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Courses Available

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Additional Courses

**Not Satisfied:** Complete 4 courses.

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

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Courses Available

CE 343, CE 349, GEN 415, MNE 415, MNE 447

Senior Capstone

**Not Satisfied:** Complete 2 units.

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

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### Courses Available

MNE 498

**OR: Sustainable Resource Development Option**

Overall Requirement Not Satisfied: Sustainable Resource Development Option

**Core Courses**

Not Satisfied: Complete 3 courses.

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

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**Courses Available**

CE 484, CPH 484, MNE 411, MNE 430, MNE 484, MSE 411, N_SC 484, PCOL 484

**Biology/Chemistry Technical Electives**

Not Satisfied: Complete 4 units.

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

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**Courses Available**


**Technical Electives I**

Not Satisfied: Complete 6 units.

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

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**Courses Available**

ABE 447, CE 423, GEOS 431, HWRS 423, HWRS 431, MNE 430

OR: Technical Electives II
Not Satisfied: Complete 6 units in consultation with an advisor.

- Units: 6.00 required, 0.00 completed, 6.00 needed

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Courses Available

ADVR 401, ADVR 402, ADVR 403, ADVR 404, ADVR 405, ADVR 406, ADVR 407, ADVR 408, ADVR 409, ADVR 410

Senior Capstone

Not Satisfied: Complete 3 units.

- Units: 0.00 completed
- Courses: 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.

- Units: 0.00 completed
- 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.