Academic Advisement Report
UGRD.UENGR.MEEBSMEE
Undergraduate Career
College of Engineering Program
Mechanical Engineering Major (BSMEE)
Requirement Term: Fall 2013

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.
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
(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
(R297/L15)
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
(R297/L25)
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
(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

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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

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 230, AFAS 245, AFAS 245-CC, AFAS 249, AFAS 255, AFAS 315, AFAS 320, AFAS 342, AFAS 365, AFAS 373, AFAS 381, ANTH 222, ANTH 300, ARH 300, ARH 329, ART 329, CHN 245, CLAS 250, CLAS 250-SA, CLAS 329, DNC 329, DNC 358, ENGL 201, ENGL 201-SA, ENGL 209, ENGL 210, ENGL 300, ENGL 300-SA, FTV 252, FTV 375, HNRS 203H, HNRS 218, HNRS 295B, ISTA 301, JPN 245, LAS 322, LAS 337, MAS 337, MUS 100, MUS 100-CC, MUS 101A, MUS 107, MUS 107-CC, MUS 108, MUS 108-CC, MUS 109, MUS 206, MUS 231, MUS 328, MUS 334, MUS 334-CC, MUS 337, MUS 344, MUS 360, TAR 100, TAR 103, (***) (###)

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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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Diversity Emphasis Course  
(RS31)

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  
(RS31/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


Diversity Emphasis Course  
(RS31)

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  
(RS31/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

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.

BSMEE in Mechanical Engineering

Overall Requirement Not Satisfied: Bachelor of Science in Mechanical Engineering

MEE Advanced Standing Courses

Overall Requirement Not Satisfied: MEE Advanced Standing Courses

The following coursework must be completed to achieve Advanced Standing. A GPA of 2.5 is required for the Advanced Standing Requirement courses.

First Semester Composition

Not Satisfied: Complete 1 course. Students completing ENGL 109H have satisfied this requirement.

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

ENGL 101, ENGL 101A, ENGL 103H, ENGL 107, ENGL 107A

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, ENGL 109H

First Semester Chemistry
Not Satisfied: Complete 4 units consisting of a lecture and lab.

- Units: 4.00 required, 0.00 completed, 4.00 needed

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Courses Available

CHEM 105A, CHEM 106A, CHEM 151, .., CHEM 103A, CHEM 103A-CC, CHEM 104A

Second Semester Chemistry
Not Satisfied: Complete 1 course

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

CHEM 103B, CHEM 103B-CC, CHEM 105B, CHEM 152, .., MSE 110

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, Approved Transfer Work

Calculus I

Not Satisfied: Complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

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

Calculus II

Not Satisfied: Complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

MATH 129, MATH 129-CC, MATH 250A

Vector Calculus

Not Satisfied: Complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

MATH 223, MATH 223-CC

Differential Equations

Not Satisfied: Complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available
Engineering Courses
Not Satisfied: Complete 6 courses.

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

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Courses Available

ABE 221, AME 230, AME 250, CE 214, ECE 207, ENGR 102, ENGR 221

Supporting Course Work
Overall Requirement Not Satisfied: Supporting Course Work

Mechanical Engineering Core Courses
Not Satisfied: Complete 9 courses.

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

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Courses Available

CE 214, MATH 129, MATH 129-CC, MATH 223, MATH 223-CC, MATH 254, MATH 254-CC, PHYS 141, PHYS 241, Approved Transfer Work, ENGR 102, ECE 207, MSE 331R

First Semester Chemistry
Not Satisfied: Complete 4 units consisting of a lecture and lab.

- **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 1 course

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

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Courses Available

CHEM 103B, CHEM 103B-CC, CHEM 105B, CHEM 152, MSE 110

**Additional Coursework**

**Not Satisfied:** Complete ABE 221.

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

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Courses Available

ABE 221, ENGR 221, CE 210

**Mechanical Engineering Major Courses**

**Overall Requirement Not Satisfied:** The major GPA shall include all UA courses offered/crosslisted by the AME department, whether they are required or not.

**Mechanical Engineering Core Courses**

**Not Satisfied:** Complete 13 courses.

- **Courses:** 13.00 required, 0.00 completed, 13.00 needed

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- AME 230
- AME 250
- AME 300
- AME 301
- AME 302
- AME 324B
- AME 324L
- AME 331
- AME 352
- AME 400
- AME 432
- AME 455
- AME 495S
### Courses Available

AME 230, AME 250, AME 300, AME 301, AME 302, AME 324B, AME 324L, AME 331, AME 352, AME 400, AME 432, AME 455, AME 495S

#### Engineering Design Courses I

**Not Satisfied:** Complete 4 units.

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

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#### Courses Available

AME 413A, ENGR 498A

#### Engineering Design Courses II

**Not Satisfied:** Complete 4 units.

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

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### Courses Available

AME 413B, ENGR 498B

#### Additional Course Work

**Not Satisfied:** Complete 1 course.

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

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### Courses Available

AME 324A, CE 215, CE 215-CC

#### Technical Electives

**Not Satisfied:** Complete 9 units of 400 level AME technical electives or advisor approved courses.

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

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Additional Technical Electives

**Not Satisfied:** Complete 6 additional units of 300/400 level AME or non-AME advisor approved courses. Consult with your academic advisor if you are interested in taking a course not listed below.

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

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Mechanical Engineering Graduation Requirements

**Overall Requirement Not Satisfied:** Mechanical 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

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.

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