Academic Advisement Report
UGRD.UENGR.MEEBSMEE
Undergraduate Career
College of Engineering Program
Mechanical Engineering Major (BSMEE)
Requirement Term: Fall 2017

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) Candidates for a second bachelor's degree at The University of Arizona with a different award date than the first must earn no fewer than 30 units of University Credit in addition to the units required for the first degree, and must meet all requirements for the second degree.

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

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Courses Available

MATH 122B, MATH 125

Undergraduate General Education and Foundation Requirements

Overall Requirement Not Satisfied: Undergraduate General Education and Foundation Requirements
Foundation Composition
Not Satisfied: Complete 1 of the following 4 Foundation Composition options:
1. 3 Course Foundation Composition Sequence
2. 2 course Foundation Composition sequence
3. Honors Composition with grade of C or higher
4. 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: Foundation Composition - 3 Course Sequence

· Courses: 3.00 required, 0.00 completed, 3.00 needed

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Courses Available
ENGL 101, ENGL 101A, ENGL 107, ENGL 107A, ENGL 102, ENGL 108, ENGL 106

OR Option 2: Foundation Composition - 2 Course Sequence
Not Satisfied: Complete 2 courses. Complete ENGL 101/107 AND ENGL 102/108

· Courses: 2.00 required, 0.00 completed, 2.00 needed

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Courses Available
ENGL 101, ENGL 101A, ENGL 107, ENGL 107A, ENGL 102, ENGL 108

OR Option 3: Honors Composition
Not Satisfied: 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
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 each of the following areas.

Tier I Individuals & Societies
Not Satisfied: Complete 2 courses, 6 units total. Transfer students with quarter system credits may satisfy Tier One requirements with 2 courses and 5.34 units.

- Units: 5.34 required, 0.00 completed, 5.34 needed
- Courses: 2.00 required, 0.00 completed, 2.00 needed

Courses Available

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Tier I Traditions & Cultures
Not Satisfied: Transfer students with quarter system credits may satisfy Tier One requirements with 2 courses and 5.34 units.

- Units: 5.34 required, 0.00 completed, 5.34 needed
- Courses: 2.00 required, 0.00 completed, 2.00 needed

Courses Available

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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 1 course, 3 units. Transfer students with quarter system credits may satisfy this requirement with 2.67 units.

- **Units:** 2.67 required, 0.00 completed, 2.67 needed
- **Courses:** 1.00 required, 0.00 completed, 1.00 needed

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**Courses Available**


OR Option 2: Tier II Humanities

**Not Satisfied:** Complete 1 course, 3 units. Transfer students with quarter system credits may satisfy this requirement with 2.67 units. If LAT 201 or 202 are used to fulfill Foundation Second Language Proficiency, they cannot be used to fulfill Tier II Humanities.

- **Units:** 2.67 required, 0.00 completed, 2.67 needed
- **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, 3 units. Transfer students with quarter system credits may satisfy this requirement with 2.67 units. Prerequisite course work in Tier 1 Individuals and Societies (INDV) must be completed prior to taking.

- **Units:** 2.67 required, 0.00 completed, 2.67 needed
- **Courses:** 1.00 required, 0.00 completed, 1.00 needed
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#### Diversity Emphasis Course

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

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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.

BSMEE in Mechanical Engineering
Overall Requirement Not Satisfied: Bachelor of Science in Mechanical 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

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Courses Available
MATH 122B, MATH 125

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 - 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 - Differential Equations

**Not Satisfied:** Complete 3 units.

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

### Courses Available

**MATH 254, MATH 355**

Science - Gen Chemistry I

**Not Satisfied:** Complete 4 units.

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

### Courses Available

**CHEM 151, Approved Transfer Course, CHEM 105A, CHEM 106A**

Science - Intro Mechanics Physics

**Not Satisfied:** Complete 4 units.

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

### 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 - Mechanical**

*Not Satisfied:* Complete 8 units.

- **Units:** 8.00 required, 0.00 completed, 8.00 needed

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**Courses Available**

AME 105, AME 205, 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 - Mechanical Additional Courses II**

*Not Satisfied:* Complete 12 units.

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

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**Courses Available**
ECE 175, CE 214, ABE 221, ENGR 221, ECE 207

English Composition

Not Satisfied: Complete 6 units.

- Units: 6.00 required, 0.00 completed, 6.00 needed

Courses Available

ENGL 101, ENGL 102, ENGL 107, ENGL 108

OR English Composition

Not Satisfied: Complete 3 units.

- Units: 3.00 required, 0.00 completed, 3.00 needed

Courses Available

ENGL 109H

Mechanical Engineering Advanced Courses

Overall Requirement Not Satisfied: Mechanical Engineering Advanced Courses

1. Mechanical Engineering Advanced Courses

Not Satisfied: Complete 32 units.

- Units: 32.00 required, 0.00 completed, 32.00 needed
**Courses Available**

AME 300, AME 301, AME 302, AME 313, AME 324A, AME 324B, AME 324L, AME 331, AME 352, AME 400, AME 432, AME 455, AME 495S, BME 331, CE 215

2. **Additional Engineering Advanced Courses**

*Not Satisfied:* Complete 9 units.

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

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**Courses Available**

MSE 331R, ENGR 498A, ENGR 498B

**Mechanical Engineering Technical Electives**

*Overall Requirement Not Satisfied:* Mechanical Engineering Technical Electives

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

*Not Satisfied:* Complete 9 units. AME 499 has a 3 unit maximum in fulfilling tech. elects. A maximum of 3 credits of AME 493 (Internship) can be used to fulfill technical elective requirements.

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

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

*Not Satisfied:* Complete 6 units. If ENGL 308 is used to fulfill MCWA requirement, it may not be used as a tech. elect.

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

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**Courses Available**
3. Math Intensive Elective
   **Not Satisfied:** Complete at least 3 units of a designated Math intensive course from the tech elective course choices.
   - **Units:** 3.00 required, 0.00 completed, 3.00 needed

### Courses Available

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<tbody>
<tr>
<td>AME  431, AME  463, ASTR  403, ECE  434, GEOS  403, MATH  310, MATH  322, MSE  434, OPTI  434, PHYS  321, PHYS 303, PTYS  403, SIE  305, SIE  430</td>
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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

### 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.

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