Academic Advisement Report
UGRD UENGR BEBSBE
Undergraduate Career
College of Engineering Program
Biosystems Engineering Major (BSBE)
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

<table>
<thead>
<tr>
<th>Term</th>
<th>Subject</th>
<th>Catalog Nbr</th>
<th>Course Title</th>
<th>Grade</th>
<th>Units</th>
<th>RptCd</th>
<th>RqDes</th>
<th>Type</th>
</tr>
</thead>
</table>

Page 1 of 11
**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 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. Success Course 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

---

**Term** | **Subject** | **Catalog Nbr** | **Course Title** | **Grade** | **Units** | **RptCd** | **RqDes** | **Type**
---|---|---|---|---|---|---|---|---

---

**Term** | **Subject** | **Catalog Nbr** | **Course Title** | **Grade** | **Units** | **RptCd** | **RqDes** | **Type**
---|---|---|---|---|---|---|---|---

---
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

<table>
<thead>
<tr>
<th>Term</th>
<th>Subject</th>
<th>Catalog Nbr</th>
<th>Course Title</th>
<th>Grade</th>
<th>Units</th>
<th>RptCd</th>
<th>RqDes</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Term</th>
<th>Subject</th>
<th>Catalog Nbr</th>
<th>Course Title</th>
<th>Grade</th>
<th>Units</th>
<th>RptCd</th>
<th>RqDes</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Term</th>
<th>Subject</th>
<th>Catalog Nbr</th>
<th>Course Title</th>
<th>Grade</th>
<th>Units</th>
<th>RptCd</th>
<th>RqDes</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>ENGL</td>
<td>109H</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Term</th>
<th>Subject</th>
<th>Catalog Nbr</th>
<th>Course Title</th>
<th>Grade</th>
<th>Units</th>
<th>RptCd</th>
<th>RqDes</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Term</th>
<th>Subject</th>
<th>Catalog Nbr</th>
<th>Course Title</th>
<th>Grade</th>
<th>Units</th>
<th>RptCd</th>
<th>RqDes</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Term</th>
<th>Subject</th>
<th>Catalog Nbr</th>
<th>Course Title</th>
<th>Grade</th>
<th>Units</th>
<th>RptCd</th>
<th>RqDes</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 I 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

<table>
<thead>
<tr>
<th>Term</th>
<th>Subject</th>
<th>Catalog Nbr</th>
<th>Course Title</th>
<th>Grade</th>
<th>Units</th>
<th>RptCd</th>
<th>RqDes</th>
<th>Type</th>
</tr>
</thead>
</table>

**Courses Available**


**AND Tier II Individual & Societies**

**Not Satisfied:** Complete 1 course. Prerequisite course work in Tier I Individuals and Societies (INDV) must be completed prior to taking.

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

<table>
<thead>
<tr>
<th>Term</th>
<th>Subject</th>
<th>Catalog Nbr</th>
<th>Course Title</th>
<th>Grade</th>
<th>Units</th>
<th>RptCd</th>
<th>RqDes</th>
<th>Type</th>
</tr>
</thead>
</table>

**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

<table>
<thead>
<tr>
<th>Term</th>
<th>Subject</th>
<th>Catalog Nbr</th>
<th>Course Title</th>
<th>Grade</th>
<th>Units</th>
<th>RptCd</th>
<th>RqDes</th>
<th>Type</th>
</tr>
</thead>
</table>

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.

BSBE in Biosystems Engineering

Overall Requirement Not Satisfied: BSBE in Biosystems Engineering

Biosystems Engineering Supporting Sciences

Overall Requirement Not Satisfied: Biosystems Engineering Supporting Sciences

Core Sciences
Not Satisfied: Complete 6 courses

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

<table>
<thead>
<tr>
<th>Term</th>
<th>Subject</th>
<th>Catalog Nbr</th>
<th>Course Title</th>
<th>Grade</th>
<th>Units</th>
<th>RptCd</th>
<th>RqDes</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Courses Available**

AME 250, CE 214, ENGL 308, ENGR 102, ENGR 211P, SIE 305, SIE 305-CC, SIE 305-SA

Fluid Mechanics

- **Not Satisfied:** Complete 1 course
  - **Courses:** 1.00 required, 0.00 completed, 1.00 needed

<table>
<thead>
<tr>
<th>Term</th>
<th>Subject</th>
<th>Catalog Nbr</th>
<th>Course Title</th>
<th>Grade</th>
<th>Units</th>
<th>RptCd</th>
<th>RqDes</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Courses Available**

AME 331, CE 218

Solid Mechanics

- **Not Satisfied:** Complete 1 course
  - **Courses:** 1.00 required, 0.00 completed, 1.00 needed

<table>
<thead>
<tr>
<th>Term</th>
<th>Subject</th>
<th>Catalog Nbr</th>
<th>Course Title</th>
<th>Grade</th>
<th>Units</th>
<th>RptCd</th>
<th>RqDes</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Courses Available**

AME 324A

Biology Electives

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

<table>
<thead>
<tr>
<th>Term</th>
<th>Subject</th>
<th>Catalog Nbr</th>
<th>Course Title</th>
<th>Grade</th>
<th>Units</th>
<th>RptCd</th>
<th>RqDes</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Courses Available**


**Biology Electives**

- **Not Satisfied:** Complete 4 units

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

<table>
<thead>
<tr>
<th>Term</th>
<th>Subject</th>
<th>Catalog Nbr</th>
<th>Course Title</th>
<th>Grade</th>
<th>Units</th>
<th>RptCd</th>
<th>RqDes</th>
<th>Type</th>
</tr>
</thead>
</table>

**Courses Available**

- MIC 205A, MIC 205L, ECOL 182L, ECOL 182R, PSIO 201

**Mathematics**

- **Not Satisfied:** Complete 4 courses

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

<table>
<thead>
<tr>
<th>Term</th>
<th>Subject</th>
<th>Catalog Nbr</th>
<th>Course Title</th>
<th>Grade</th>
<th>Units</th>
<th>RptCd</th>
<th>RqDes</th>
<th>Type</th>
</tr>
</thead>
</table>

**Courses Available**

- MATH 125, MATH 125-CC, MATH 129, MATH 129-CC, MATH 223, MATH 223-CC, MATH 254, MATH 254-CC

**Chemistry I**

- **Not Satisfied:** Complete 4 units

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

<table>
<thead>
<tr>
<th>Term</th>
<th>Subject</th>
<th>Catalog Nbr</th>
<th>Course Title</th>
<th>Grade</th>
<th>Units</th>
<th>RptCd</th>
<th>RqDes</th>
<th>Type</th>
</tr>
</thead>
</table>

**Courses Available**

- CHEM 103A, CHEM 103A-CC, CHEM 104A, CHEM 105A, CHEM 106A, CHEM 151, (***) (###)

**Chemistry II**

- **Not Satisfied:** Complete 4 units

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

<p>| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |</p>
<table>
<thead>
<tr>
<th>Term</th>
<th>Subject</th>
<th>Catalog Nbr</th>
<th>Course Title</th>
<th>Grade</th>
<th>Units</th>
<th>RptCd</th>
<th>RqDes</th>
<th>Type</th>
</tr>
</thead>
</table>

**Courses Available**

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

**Physics**

<table>
<thead>
<tr>
<th>Term</th>
<th>Subject</th>
<th>Catalog Nbr</th>
<th>Course Title</th>
<th>Grade</th>
<th>Units</th>
<th>RptCd</th>
<th>RqDes</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PHYS</td>
<td>141</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PHYS</td>
<td>241</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Not Satisfied:** Complete 2 courses

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

**Courses Available**

PHYS 141, PHYS 241

**Biosystems Engineering Major**

**Overall Requirement Not Satisfied:** Biosystems Engineering Major

**Core Courses**

<table>
<thead>
<tr>
<th>Term</th>
<th>Subject</th>
<th>Catalog Nbr</th>
<th>Course Title</th>
<th>Grade</th>
<th>Units</th>
<th>RptCd</th>
<th>RqDes</th>
<th>Type</th>
</tr>
</thead>
</table>

**Not Satisfied:** Complete 11 courses

- **Courses:** 11.00 required, 0.00 completed, 11.00 needed

**Courses Available**

ABE 205, ABE 221, ABE 284, ABE 296A, ABE 393, ABE 423, ABE 447, ABE 484, ABE 496A, ABE 498A, ABE 498B, ENGR 221

**Technical Electives**

**Not Satisfied:** Complete 9 units from courses specified by advisor

- **Units:** 9.00 required, 0.00 completed, 9.00 needed
### Courses Available

ADVR #06, ADVR #07, ADVR #08, ADVR #09, ADVR #10

**Engineering Design Electives**

- **Not Satisfied:** Complete 9 units from courses specified by advisor.
  - **Units:** 0.00 completed
  - **Courses:** 9.00 required, 0.00 completed, 9.00 needed

### Courses Available

ADVR 401, ADVR 402, ADVR 403, ADVR 404, ADVR 405

**Biosystems Engineering Graduation Requirements**

- **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 major must be taken at the University of Arizona.
  - **Units:** 18.00 required, 0.00 completed, 18.00 needed
<table>
<thead>
<tr>
<th>Term</th>
<th>Subject</th>
<th>Catalog Nbr</th>
<th>Course Title</th>
<th>Grade</th>
<th>Units</th>
<th>RptCd</th>
<th>RqDes</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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.