Academic Advisement Report
UGRD.UENGR.ECEBSECE
Undergraduate Career
College of Engineering Program
Electrical & Computer Engineer Major (BSECE)
Requirement Term: Fall 2010

Undergraduate Graduation Requirements (RG511)
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 (R2903/L30)
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 (R538/L40)
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 (R538/L60)
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 (R538/L70)
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 (R2075/L10)
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

GE Substantial Math Strand
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, MATH 122B

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

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Courses Available

ENGL 101, ENGL 101A, 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

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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).
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


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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**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

### 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.

**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
### Courses Available

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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.

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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.

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### BSECE in Electrical and Computer Engineering

Overall Requirement Not Satisfied: Bachelor of Science in Electrical and Computer Engineering

### ECE Advanced Standing Courses

Overall Requirement Not Satisfied: The following coursework must be completed to achieve Advanced Standing. All Electrical and Computer Engineering students must have at least a 2.5 GPA in the ECE Advanced Standing Requirements courses to proceed on to the upper division major courses.

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**

**Second Semester Composition**

- **Not Satisfied:** 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 151, CHEM 103A, CHEM 103A-CC, CHEM 104A, CHEM 105A, CHEM 106A**

**Second Semester Chemistry**

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

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### Physics Courses

**Not Satisfied:** Complete 3 courses.

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

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Courses Available

PHYS 141, PHYS 143, PHYS 241

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

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Courses Available

ECE 175, ENGR 102

Supporting Course Work
Overall Requirement Not Satisfied: ECE Supporting Course Work.

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

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

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Courses Available

**PHYS 141, PHYS 143, PHYS 241**

Mathematics Requirements

Not Satisfied: Complete 4 courses.

- Courses: 4.00 required, 0.00 completed, 4.00 needed

Courses Available

**MATH 129, MATH 129-CC, MATH 223, MATH 223-CC, MATH 254, MATH 254-CC, MATH 243, MATH 243-CC**

Engineering Courses

Not Satisfied: Complete 1 course.

- Courses: 1.00 required, 0.00 completed, 1.00 needed

Courses Available

**ENGR 102**

Electrical and Computer Engineering Major

Overall Requirement Not Satisfied: The Major GPA shall include all UA courses offered/crosslisted by the ECE departments, whether they are required or not.

Major Core Courses

Not Satisfied: Complete 12 courses.

- A maximum of 1 course can be taken from ECE 320 and 320A; only one will be accepted towards this requirement.
- A maximum of 1 course can be taken from ECE 498A and ENGR 498A; only one will be accepted towards this requirement.
- A maximum of 1 course can be taken from ECE 498B and ENGR 498B; only one will be accepted towards this requirement.

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

ECE 175, ECE 220, ECE 320A, ECE 340, ECE 351A, ECE 372, ECE 498A, ECE 498B, ENGR 498A, ENGR 498B

Computer Engineering Option (R2995/L30)

Not Satisfied: Complete 14 units. Complete the following courses and consult with an advisor to select remaining courses.

A maximum of 1 course can be taken from CSC 345 and 473; only one will be accepted towards this requirement.

- Units: 14.00 required, 0.00 completed, 14.00 needed

Courses Available

ECE 369, ECE 373, 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

OR: Electrical Engineering Option (R2995/L40)

Not Satisfied: Complete 14 units. Complete the following courses and consult with an advisor to select remaining courses.

- Units: 14.00 required, 0.00 completed, 14.00 needed

Courses Available

ECE 304, ECE 352, ECE 381, 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
### Technical Electives

**Not Satisfied:** Complete 18 units from courses approved by a faculty advisor.

- **Units:** 18.00 required, 0.00 completed, 18.00 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

### Electrical and Computer Engineering Graduation Requirements

**Overall Requirement Not Satisfied:** Electrical and Computer 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.