Academic Advisement Report  
UGRD.USCNC.SCEDBSSED.PHYSICS
Undergraduate Career
College of Science Program
Science Education Major (BSSED)
Physics Option
Requirement Term: Fall 2011

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.

The following requirements must be met for graduation.

Units Required and Cumulative GPA (R2903/L10)
120 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)
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
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 56 units of course work must be completed at a 4-year institution, military institution, or as test credit.

- Units: 56.00 required, 0.00 completed, 56.00 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 Available

MATH 124, MATH 125, MATH 125-CC, MATH 129, MATH 129-CC, MATH 215, MATH 223, MATH 223-CC, MATH 250A, MATH 254, MATH 254-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

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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

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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

Foundation Second Language - Second Semester Proficiency

Not Satisfied: Credit will not be given for a course at an equivalent or lower level than prior language credit earned. Course must be taken for a grade, not as pass/fail. Third semester or higher courses used to fulfill this requirement may also be used to fulfill other requirements.

Demonstrate second semester proficiency in a second language by completing a sequence of courses through a second semester or higher level or by passing a language proficiency examination at the second semester level or higher.

Second Semester Language Course

Not Satisfied: Complete 1 course.


Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available


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

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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 160A1 & 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 only 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: Complete 1 course from each of the following areas.

Tier II Arts

Not Satisfied: Complete 3 units.

- Units: 3.00 required, 0.00 completed, 3.00 needed
Courses Available


Tier II Humanities (R528/L20)

Not Satisfied: 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


Tier II Individual & Societies (R528/L30)

Not Satisfied: 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 (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

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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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.

Bachelor of Science in Science Education

Overall Requirement Not Satisfied: Complete the Science Education Courses and one of the Science Education Options.

Minimum cumulative and major GPAs of 2.500 are required to be eligible for student teaching.
**Science Education Courses I**

Not Satisfied: Science Education Courses

Calculus I

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

**Science Education Courses II**

Overall Requirement Not Satisfied: Science Education Courses

1. Option I: First Semester Introductory Chemistry

Not Satisfied: Complete Chem 151

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

CHEM 151, (***) (###)

OR 1. Option II: First Semester Introductory Chemistry

Not Satisfied: Complete CHEM 105A and 106A

- Courses: 2.00 required, 0.00 completed, 2.00 needed

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Courses Available

CHEM 105A, CHEM 106A

2. Option I: Second Semester Introductory Chemistry

Not Satisfied: Complete CHEM 152

- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available

CHEM 152, (***) (###)

OR 2. Option II: Second Semester Introductory Chemistry

Not Satisfied: Complete CHEM 105B and 106B

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

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Courses Available

CHEM 105B, CHEM 106B

Science Education Courses III

Overall Requirement Not Satisfied: Science Education Courses

1. Science Pedagogy Courses

Not Satisfied: Select 6 courses.

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

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Courses Available

STCH 250, STCH 310, STCH 410, STCH 420, STCH 494A, STCH 496A

2. English Language Learner Course

Not Satisfied: Complete 2 courses.

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

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Courses Available

LCEV 408, LCEV 416

Physics Option
PHYSICS

Overall Requirement Not Satisfied: Physics Option

Physics Option
Overall Requirement Not Satisfied: Physics Option

1. Supporting Content Courses - Mathematics
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

2. Option I: Introductory Physics
Not Satisfied: Complete 4 courses

- Courses: 4.00 required, 0.00 completed, 4.00 needed

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Courses Available
PHYS 141, PHYS 142, PHYS 241, PHYS 263H

OR 2. Option II: Introductory Physics
Not Satisfied: Complete 4 courses. Maximum of 1 course can be taken from PHYS 262H and 263H; only 1 of these courses will count towards this requirement.

- Courses: 4.00 required, 0.00 completed, 4.00 needed

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Courses Available
PHYS 161H, PHYS 162H, PHYS 261H, PHYS 263H

OR 2. Option III: Introductory Physics

Page 10 of 12
### Courses Available

**PHYS 151, PHYS 152, PHYS 251, PHYS 253**

3. **Upper Division Content Courses**

   **Not Satisfied:** Complete 4 courses.

   - Courses: 4.00 required, 0.00 completed, 4.00 needed

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### Courses Available

**PHYS 320, PHYS 321, PHYS 331, PHYS 381**

5. **Physics Science Pedagogy Course**

   **Not Satisfied:** Complete 1 course.

   - Courses: 1.00 required, 0.00 completed, 1.00 needed

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### Courses Available

**PHYS 439**

6. **Electives**

   **Not Satisfied:** Complete 13 units.

   A maximum of one course may be taken from MCB 181R and MCB 184.

   - Units: 13.00 required, 0.00 completed, 13.00 needed

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### Courses Available

**ASTR 300A, ASTR 300B, CHEM 480A, CHEM 480B, ECOL 182L, ECOL 182R, GEOS 251, GEOS 322, GEOS 419, MCB 181L, MCB 181R, MCB 184, PHIL 426, PHIL 427, PHYS 320, PHYS 427, PHYS 431, PTYS 403**

### Physics Option Major Graduation Requirements

**Overall Requirement Not Satisfied:** Physics Option Major 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. The major GPA will be calculated based on all course work listed under Science Education Courses and the chosen option.

- **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.