Academic Advisement Report
UGRD.USCNC.PHYSBS
Undergraduate Career
College of Science Program
Physics Major (BS)
Requirement Term: Fall 2014

**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
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**

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 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.
  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: Math GE

GE Substantial Math Strand
- Not Satisfied: Complete 1 course from MATH 122B,124,125,129,223 TO 499.
  - Units: 2.67 required, 0.00 completed, 2.67 needed

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Courses Available
- MATH 122B, 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, MATH 313

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 consults 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

**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

**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

**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. A grade of C or higher is required in the course that satisfies the second language requirement.

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 with a grade of C or better.


- Courses: 1.00 required, 0.00 completed, 1.00 needed
- GPA: 2.000 required, 0.000 completed

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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 & TRAD 104 or AFAS 160A1 & RSSS 160A1).

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: 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

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**Courses Available**


**Tier II Humanities**

**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**

**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**
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.

Courses Available

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

BS in Physics
Overall Requirement Not Satisfied: Bachelor of Science in Physics

Physics Major
Overall Requirement Not Satisfied: Physics Major

1. Introduction to Scientific Computing
Not Satisfied: Complete 1 course.
- Courses: 1.00 required, 0.00 completed, 1.00 needed

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Courses Available
PHYS 105A

2. Option I: Introductory Physics
Not Satisfied: Complete 4 courses. Maximum of 1 course may be taken from PHYS 262H or 263H 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 II: Advisor Approval
Not Satisfied: Under special circumstances the requirement may be satisfied by completion of 4 of the following courses.
- Courses: 4.00 required, 0.00 completed, 4.00 needed

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

PHYS 141, PHYS 142, PHYS 241, PHYS 263H

3. Core I

**Not Satisfied:** Complete 5 courses.

- **Courses:** 5.00 required, 0.00 completed, 5.00 needed

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**Courses Available**

PHYS 204, PHYS 332, PHYS 381, PHYS 382, PHYS 472

4. Core II

**Not Satisfied:** Complete 5 courses.

- **Courses:** 5.00 required, 0.00 completed, 5.00 needed

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**Courses Available**

PHYS 305, PHYS 321, PHYS 331, PHYS 371, PHYS 426

5. Electives

**Not Satisfied:** Complete 6 units.

- **Units:** 6.00 required, 0.00 completed, 6.00 needed
### Courses Available

**ATMO 436A, PHYS 320, PHYS 405, PHYS 422, PHYS 431, PHYS 450, PHYS 460, PHYS 468, PHYS 469, PHYS 473, PHYS 476, PHYS 483**

6. **Application**

   **Not Satisfied:** Complete 3 units. No more than 6 total units may count toward the major.

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

### Courses Available

**PHYS 483, PHYS 492, PHYS 492-SA, PHYS 498**

### Physics Major Graduation Requirements

**Overall Requirement Not Satisfied:** Physics Major Graduation Requirements

**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

### 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.