

## BACHELOR OF ARTS IN PHYSICS

Stu ID: \_\_\_\_\_  
Name: \_\_\_\_\_  
Major: Physics - BA  
Minor: \_\_\_\_\_

Date: \_\_\_\_\_  
Advisor: \_\_\_\_\_  
Catalog: 2017-2018  
Ant Grad: \_\_\_\_\_

### Major Courses

9 Courses; Minimum 30 credits required; 22 credits must be from SU

PHY53-154	Fundamentals of Physics I		
PHY53-164	Fundamentals of Physics II		
PHY53-214	Modern Physics		
PHY53-324	Electromagnetism I		
PHY53-334	Classical Mechanics I		
PHY53-872	Capstone Course		

Select one from the following:

PHY53-424	Quantum Physics		
CHE51-724	Physical Chemistry		

Select two courses from the following:

PHY53-404	Electronics		
PHY53-413	Classical Mechanics II		
PHY53-433	Electromagnetism II		
PHY53-434	Statics		
PHY53-443	Thermodynamics		
PHY53-454	Math Methods in Physical Science		

Required Supporting Courses:

MAT52-154	Calculus I		
MAT52-254	Calculus II		
MAT52-354	Calculus III		
MAT52-754	Differential Equations I		

\*Sufficient advanced mathematics for a mathematics minor is highly recommended

### University Electives and/or Minors (Optional)

Course	Course Title	Grade	Credit

### GENERAL EDUCATION REQUIREMENTS

At least 30 total credits required, minimum 3 credits required per course

#### General Education Part I

First Year/Adv. Entry Seminar:

UST05-014 or UST05-214			
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Foreign Language (3 sem.)


Social Justice Course (may double count with any requirement):

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2 different FRAs:


Total Earned Credits:	0
Total Southwestern Credits:	
Total Major Credits:	0
Total Gen Ed Credits:	0

#### Exploration & Breadth - GE Part II

Six total courses

PHY major and elective courses cannot be used to satisfy E&B requirements. Additionally, any CHE course used to fulfill a major requirement cannot be used to satisfy E&B requirements.

Select one course from each of the four following areas:

Humanities:

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Natural Sciences:

MAT52-154	Calculus I	SC	0
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Social Sciences:

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Fine Arts:

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Select two additional courses from the four areas listed above.

Courses must be from different areas and from different subjects from above courses:


\*Public Speaking, College Writing and Creative Writing courses may not count in Exploration & Breadth

A "C" average on all work attempted is required for graduation. No grade below "C-" may be counted toward the major or minor. At least 127 credits are required to earn a degree at Southwestern; of these, 64 credits must be completed in residence, including the last 32 credits. No more than 56 credit hours may be counted in one subject area. A major requires at least 30 credits, more than 50% upper-level, and a minor (optional) requires at least 18 credits (at least 12 upper-level). 60% of the major credits and 12 minor credits must be completed in residence at SU. With the exception of FRAs and the FY/AES seminar, all gen.ed. requirements require a minimum of 3 credits, including Fine Arts Performance. For a complete list of graduation requirements, see catalog.

#### Graduation Requirements:

Minimum of 127 credits: \_\_\_\_\_  
Cumulative GPA > 2.0 \_\_\_\_\_  
GPA > 2.0 for Major, Minor and/or Areas of Concentration \_\_\_\_\_  
Less than C- grade in major/minor/core? \_\_\_\_\_  
At least 64 credits completed at Southwestern\* \_\_\_\_\_  
No more than 56 credits of any 5 digit prefix\*\* \_\_\_\_\_  
Major credits completed (min 30 required) \_\_\_\_\_  
60% of Major courses completed at Southwestern (22cr) \_\_\_\_\_  
50% of Major courses are upper level (18cr) \_\_\_\_\_

#### Notes:

**Minor (optional):**

Minimum 18 credits

Minimum 12 upper level credits

Minimum of 12 credits taken at Southwestern

Minimum 2.0 minor courses CGPA

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Other:**

Degree Audit Completed (Due one year before grad date)

Grad Application Submitted (Due start of final semester)

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