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## Physics (BS)

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This program was approved for students entering the university in the Summer 2014 - Spring 2015 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

### **Bachelor of Science in Physics (PHYSBS APP, PHYSBS ASP, PHYSBS)**

Major: PHYS

Tracks: APP; ASP; Professional

Degree: BS

Unit: [College of Arts and Sciences \(AS\)](#)

Department: [Physics](#)

Flight Plans for Physics (BS) with Track in:

- [Applied](#)
- [Astronomy and Astrophysics](#)
- [Professional](#)

The B.S. Degree is intended as preparation for entry into graduate programs in physics and other scientific or engineering fields. It also provides suitable training for entering the workforce in a technical position.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

### **General Education**

	Hours
<a href="#">General Education Requirements</a>	34

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

### **Arts & Sciences Programmatic Requirements**

	Hours
General 101: A&S Orientation	1
Foreign Language (completion of the second semester of a single foreign language; hours will vary depending on the language taken)	6-8

Electives in Humanities or Social Sciences at 300 level or above, in addition to courses counted toward General Education	6
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)	
<b>Total</b>	<b>13-15</b>

**Department of Physics**

	Hours
Physics 295 <sup>1</sup> , 296, 301	3
Physics 298 <sup>1</sup> , 299, 300	11
Physics 351	2
Physics 350, 460, 530, 541, 555	16
Physics 430, 496, 497, 499	3
Professional, Astronomy and Astrophysics, Applied Track (see below)	9-10
<b>Total</b>	<b>44-45</b>

**Physics Tracks: (Choose one)**

**Applied Track (PHYSBS APP)**

	Hours
Physics 308, 356, 546 (select one)	1-2
Physics 542, 545, 547, 556, 565, 570, 575, 580, 585, 589, 590 (select one)	3
Physics electives: Physics courses at 300 level or above to total nine hours beyond core	4-5
Note: Alternate choices within or outside of the department are possible with approval.	
<b>Total</b>	<b>9-10</b>

**Astronomy and Astrophysics Track (PHYSBS ASP)**

	Hours
Physics 307	3
Physics 308	1
Physics 355	3
Physics 590	3
<b>Total</b>	<b>10</b>

**Professional Track (PHYSBS)**

	Hours
Physics 542	3
Physics 556	3
Physics 498	3
<b>Total</b>	<b>9</b>

**Supporting Courses**

	Hours
Chemistry 201 and 202 <sup>1</sup>	6
Mathematics 205 <sup>1</sup> , 206, 301	12
Minimum Electives	9-14
<b>Total</b>	<b>27-32</b>

	Hours
<b>Minimum Total</b>	<b>121</b>

**Culminating Undergraduate Experience (For students admitted Summer 2014 or later)**

Requirement fulfilled by completing PHYS 430, 496, 497, 499 (select one)	(1-3)
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Only 60 hours in the major department may be applied toward the Bachelor of Science degree. At least 50 of the total minimum hours required must be at the 300 level or above.

<sup>1</sup> Fulfills General Education requirement.