

**Physics Honors Major Courses (62- 70 credits)**

**Required Major Courses (47 - 54 credits)**

- \_\_\_\_\_ (4) PHYS 17200 ( also satisfies Science Selective for core and CoS teambuilding experience requirement)
- \_\_\_\_\_ (4) PHYS 27200 ( also satisfies Science Selective for core)
- \_\_\_\_\_ (3-6) PHYS 30600 (fall) or (MA 36200 and MA 42500)
- \_\_\_\_\_ (3-7) PHYS 30700 (spring) or (MA 35100 (26500) and MA 36600 (26600))
- \_\_\_\_\_ (1) PHYS 34000
- \_\_\_\_\_ (4) PHYS 34400 (fall)
- \_\_\_\_\_ (3) PHYS 41000 (fall)
- \_\_\_\_\_ (2) PHYS 41100 (spring)
- \_\_\_\_\_ (4) PHYS 41600 (fall)
- \_\_\_\_\_ (3) PHYS 42200 (spring)
- \_\_\_\_\_ (3) PHYS 43000 (spring)
- \_\_\_\_\_ (2) PHYS 43100 (fall)
- \_\_\_\_\_ (2) PHYS 45000
- \_\_\_\_\_ (3) PHYS 46000 (fall)
- \_\_\_\_\_ (3) PHYS 46100 (spring)
- \_\_\_\_\_ (3) PHYS 59300

**Major Selective\* - (15-16 credits)**

- \_\_\_\_\_ (3) PHYS/ASTR ≥500 level
- \_\_\_\_\_ (3) PHYS/ASTR ≥500 level
- \_\_\_\_\_ (3-4) PHYS 53600 or PHYS 58000 (spring)
- \_\_\_\_\_ (3) Science/Engineering ≥300 level ( could be met by CoS statistics requirement)
- \_\_\_\_\_ (3) Science/Engineering ≥300 level (could be met by CoS Great Issues requirement)

**Other Departmental /Program Course Requirements (41-68 credits)**

- \_\_\_\_\_ (4-5) MA 16100 or MA 16500 (satisfies *Quantitative Reasoning Selective* for core)
- \_\_\_\_\_ (4-5) MA 16200 or MA 16600 (satisfies *Quantitative Reasoning Selective* for core)
- \_\_\_\_\_ (4) MA 26100 (satisfies *Quantitative Reasoning Selective* for core)
- \_\_\_\_\_ (4) CHM 11500 (satisfies *Science Selective for core*)
- \_\_\_\_\_ (4) CHM 11600 (satisfies *Science Selective for core*)
- \_\_\_\_\_ (3-4) C S 15800 or CS 17700 or CS 18000 [LINK](#) (satisfies CoS Computing and Teambuilding Experience Requirement)
- \_\_\_\_\_ (3) STAT 30100 [LINK](#) (satisfies *Information Literacy Selective for core*) or STAT 35000 or STAT 50300 or STAT 51100 (satisfies CoS statistics requirement) (satisfies one of the Science/Engineering requirements for Physics Selective)
- \_\_\_\_\_ (3-6) ENGL 10600 or ENGL 10800 [LINK](#) (satisfies *Written Communication & Information Literacy for core* and CoS composition requirement)
- \_\_\_\_\_ (0-6) COM 21700 [LINK](#) (satisfies *Oral Communication for core* and CoS technical writing and presenting requirement)
- \_\_\_\_\_ (0-4) Language I Selective - [LINK](#)
- \_\_\_\_\_ (0-4) Language II Selective - [LINK](#)
- \_\_\_\_\_ (0-4) Language and Culture III Selective - [LINK](#) (Select courses COULD satisfy Human Cultures Humanities for core)
- \_\_\_\_\_ (3) General Education Elective I [LINK](#) (Select courses could satisfy Human Cultures Humanities for core)
- \_\_\_\_\_ (3) General Education Elective II [LINK](#) (Select courses could satisfy Human Cultures Humanities for core)
- \_\_\_\_\_ (3) General Education Elective III [LINK](#) (Select courses could satisfy Humanities Behavioral/Social Science for core)
- \_\_\_\_\_ (3) Great Issues [LINK](#) (satisfies one of the Science/Engineering requirements for Physics Selective)
- \_\_\_\_\_ (0-3) Multidisciplinary Elective [LINK](#) (Select courses could satisfy Science, Technology & Society Selective for core)

**Electives (≤ 24 credits)**

\_\_\_\_\_ ( ) \_\_\_\_\_ ( ) \_\_\_\_\_ ( ) \_\_\_\_\_ ( ) \_\_\_\_\_

**University Core Requirements [LINK](#)**

Human Cultures Humanities	<input type="checkbox"/>	_____	Science, Technology & Society Selective	<input type="checkbox"/>	_____
Human Cultures Behavioral/Social Science	<input type="checkbox"/>	_____	Written Communication	<input type="checkbox"/>	_____
Information Literacy	<input type="checkbox"/>	_____	Oral Communication	<input type="checkbox"/>	_____
Science Selective	<input type="checkbox"/>	_____	Quantitative Reasoning	<input type="checkbox"/>	_____
Science Selective	<input type="checkbox"/>	_____			

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**The student is ultimately responsible for knowing and completing all degree requirements.**

**Degree Works is knowledge source for specific requirements and completion**

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**Physics Honors**

[http://www.physics.purdue.edu/academic-programs/plans\\_of\\_study/index.html](http://www.physics.purdue.edu/academic-programs/plans_of_study/index.html)

**Suggested Arrangement of Courses:**

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
4	PHYS 17200* (HONORS) 	ALEKS 85%	4	PHYS 27200* (HONORS) 	PHYS 17200 + MA 162 coreq
5	Calculus I Selective *	ALEKS 85%	4	CHM 11600*	CHM 11500
4	CHM 11500*	MA 161 coreq	5	Calculus II Selective *	Calculus I
4	ENGL 10600*		3-4	Language I Selective	
<b>17</b>			<b>16-17</b>		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	PHYS 30600	PHYS 272 + coreq MA 261	3	PHYS 30700	PHYS 272 + coreq MA 261
1	PHYS 34000	coreq Phys 344	3	PHYS 42200	PHYS 272
4	PHYS 34400	PHYS 272 + coreq MA 261	3 - 4	LANGUAGE 201/culture	Language 102/ usually no pre-req
4	Calculus III Selective *	Calculus II	3	STAT 30100*	
3 - 4	Language II Selective	Language 101	3	Science/Engineering Selective $\geq 300$	Prerequisites may vary
<b>15-16</b>			<b>15-16</b>		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	PHYS 41000	PHYS 272 + MA 261	2	PHYS 41100	(PHYS 310 or 410) C- or better
3	PHYS 46000	PHYS 344 + coreq PHYS410	3	PHYS 46100	(PHYS 460 or 360 or 550) C- or better
2	PHYS 45000	PHYS 42200	3	PHYS 43000	(PHYS 272 and MA 261 and (PHYS 306 or MA 362)) C- or better
3	COM 21700*		3	General Ed (Humanities)*	
3	General Ed (Humanities)*		3 - 4	CS 15800 (or CS 17700)	MA 161 coreq
1	Elective		1	Elective	
<b>15</b>			<b>15-16</b>		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
4	PHYS 41600	Coreq (PHYS 410 and 430 and 460) C- or better	4-3	PHYS 53600 (or PHYS 58000)	PHYS 272 ( or coreq PHYS 344 + 410)
2	PHYS 43100	PHYS 430 – C- or better	3	PHYS/ASTR Selective $\geq 500$	Prerequisites may vary
3	PHYS 59300		3	PHYS/ASTR Selective $\geq 500$	Prerequisites may vary
3	Science/Engineering Selective $\geq 300$	Prerequisites may vary	3	General Ed (Behav./Social Science )*	
3	Great Issues		2	Multidisciplinary (STS)*	
			1	Elective	
<b>15</b>			<b>15-16</b>		

 Identified as a critical course. Student should earn minimum of a B- see advisor for further details.  
\* Satisfies a University Core Requirement

**120 semester credits required for Bachelor of Science degree.**

**3.0 Graduation GPA required for Bachelor of Science degree.**

**3.0 average in PHYS/ASTR classes required to graduate.**

**No more than one C grade (i.e., C+, C, or C-) is allowed in all physics courses taken**

**No grade of D+ or worse is allowed in any course.**

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