PURDUE UNIVERSITY

PHYSICS EDUCATION

College of Science

Physics Teaching- BS
PHED
≥120 Credits for graduation Credits

Physics Education Major Courses (46-47 credits)

Required Major Courses (34 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) PHYS 30600 (fall)
_____ (3) PHYS 30700 (spring)
_____ (4) PHYS 31000 (fall)
_____ (3) PHYS 33000 (fall)
_____ (1) PHYS 34000
_____ (4) PHYS 34400 (fall)
_____ (3) PHYS 36000 (spring)
_____ (3) PHYS 42200 (spring)
_____ (2) PHYS 45000

Major Selective* - (12-13 credits)

_____ (3) PHYS/ASTR ≥300 level
_____ (3-4) PHYS 53600 or PHYS 580 (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*-could be met by EDCI 28500*)*
_____ (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- can be met by EDPS 23500*)
_____ (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*)

Professional Education Requirements (36 credits)

_____ (3) EDCI 27000 (*satisfies Information Literacy for core*)
_____ (3) EDCI 30900
_____ (3) EDST 20000 (*Satifies Human Cultures Humanities for core*)
_____ (3) EDCI 20500 *(Satisfies Written Communication for core)*
_____ (3) EDCI 28500 (*Satisfies Humanities Behavioral/Social Science for core* and CoS language/culture requirement)
_____ (3) EDPS 23500 (*Satisfies Humanities Behavioral/Social Science for core* and CoS General Education requirement)
_____ (3) EDPS 26500
_____ (3) EDCI 42400 (fall) (also meets CoS Multidisciplinary Requirement)
_____ (2) EDCI 42800 (spring)
_____ (10) EDCI 49800 (also meets CoS Teambuilding Experience Requirement)

University Core Requirements LINK

Human Cultures Humanities	☐ _____	*Science, Technology & Society Selective*	☐ _____
Human Cultures Behavioral/Social Science	☐ _____	*Written Communication*	☐ _____
Information Literacy	☐ _____	*Oral Communication*	☐ _____
Science Selective	☐ _____	*Quantitative Reasoning*	☐ _____
Science Selective	☐ _____		

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

Physics Education

Suggested Arrangement of Courses:

Credits	**Fall 1st Year**	**Prerequisite**	Credits	**Spring 1st Year**	**Prerequisite**
4	PHYS 17200*^ (HONORS)	MA 161 coreq	4	PHYS 27200*^ (HONORS)	PHYS 17200 + MA 162 coreq
5	MA 16100*^	ALEKS 85%	4	CHM 11600*^	CHM 11500
4	CHM 11500*	MA 161 coreq	5	MA 16200*	
4	ENGL 10600*		3	EDCI 27000*	
17			**16**		

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	STAT 30100* (Sci/Engr Selective)	
4	MA 26100*	MA 162	3	EDCI 20500*	
3-4	LANGUAGE 101		3	EDCI 28500* (Culture)	
			3-4	LANGUAGE 102	Language 101
15-16			**18-19**		

Credits	**Fall 3rd Year**	**Prerequisite**	Credits	**Spring 3rd Year**	**Prerequisite**
4	PHYS 31000^	PHYS 272 + MA 261	3	PHYS 36000^	(PHYS 310 or330) + PHYS 344
3	PHYS 33000^	PHYS 272 + MA 261	4 -3	PHYS 53600 (or PHYS 58000)	PHYS 272 (or PHYS 344 + 310)
2	PHYS 45000^	PHYS 42200	3	COM 21700	
3	EDPS 23500* (General Education)	EDCI 205,285 (C- or better)	3	General Ed (Humanities)*	
3	EDPS 26500	EDCI 205,285 (C- or better)	3	EDST 20000*	
3	General Ed (Humanities)*				
18			**15-16**		

Credits	**Fall 4th Year**	**Prerequisite**	Credits	**Spring 4th Year**	**Prerequisite**
3	PHYS/ASTR ≥ 300 level	Prerequisites may vary	2	EDCI 42800	EDCI 205,285, 424 (C- or better)
3	EDCI 42400 (Multidisciplinary)	EDCI 205,285 (C- or better)	10	EDCI 49800 (team experience)	EDCI 205,285 (C- or better)
3	Great Issues (Sci/Engr selective)	Prerequisites may vary	3	EDCI 30900	
3-4	CS 15800 (or CS 17700)	MA 161 coreq			
15-16			**15**		

*Satisfies a University Core Requirement

≥120 semester credits required for Bachelor of Science degree.
2.0 Graduation GPA required for Bachelor of Science degree.
2.0 average in PHYS/ASTR classes required to graduate.
2.5 average in Physics Content courses required to graduate (those denoted by ^)
3.0 average in Professional Education courses required to graduate (No grade below a C-)

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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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