

APPLIED PHYSICS

College of Science

Physics - BS APPH

≥120 Credits for graduation Credits

Applied Phy	sics Major Courses ((61 - 68 credits)						
	uired Major Courses							
(4)			or core and CoS teambuilding experience req	uirement)				
(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)							
(4)	PHYS 31000 (fall)							
(3)	PHYS 33000 (fall) PHYS 36000 (cpring)							
(3)	PHYS 36000 (spring)							
(3)	PHYS 42200 (spring) PHYS 45000							
(2) (3)	PHYS 51500 (spring)							
			lied area(s) approved by the Physics Dep					
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Othe	er Denartmental /Pr	ogram Course Requ	irements (41-68 credits)					
(4-5)			e Reasoning Selective for core)					
(4-5)		•	9					
(4)	MA 16200 or MA 16600 (satisfies <i>Quantitative Reasoning Selective</i> for core) MA 26100 (satisfies <i>Quantitative Reasoning Selective</i> for core)							
(4)	CHM 11500 (satisfies Science Selective for core)							
(4)	CHM 11600 (satisfies S	satisfies Quantitative Reasoning Selective for core) (satisfies Science Selective for core) (satisfies Science Selective for core) (satisfies Science Selective for core) CS 17700 or CS 18000 LINK (satisfies CoS Computing and Teambuilding Experience Requirement) LINK (satisfies Information Literacy Selective for core) or STAT 35000 or STAT 50300 or STAT 51100 (satisfies CoS quirement) (satisfies one of the Science/Engineering requirements for Physics Selective) or ENGL 10800 LINK (satisfies Written Communication & Information Literacy for core and CoS composition (satisfies Oral Communication for core and CoS technical writing and presenting requirement)						
(3-4)	CS 15800 or CS 17700	0 or CS 18000 <u>LINK</u> (sat	tisfies CoS Computing and Teambuilding Exp	erience Requirement)				
	STAT 30100 LINK (sati	isfies Information Literac	cy Selective for core) or STAT 35000 or STAT	50300 or STAT 51100 (satisfies CoS				
(3)	statistics requirement) (satisfies one of the Sci	ience/Engineering requirements for Physics	Selective)				
	ENGL 10600 or ENGL 10800 LINK (satisfies Written Communication & Information Literacy for core and CoS composition							
(3-6)								
(0-6)	 6) COM 21700 LINK (satisfies Oral Communication for core and CoS technical writing and presenting requirement) 4) Language I Selective -LINK 							
(0-4)	0 0							
(0-4)	Language II Selective -							
(0-4)	Language and Culture III Selective – LINK (Select courses COULD satisfy Human Cultures Humanities for core) General Education Elective I LINK (Select courses could satisfy Human Cultures Humanities for core)							
(3)								
(3)		 -	rses could satisfy Human Cultures Humanities					
(3)			urses could satisfy Humanities Behavioral/Soc					
(3)			Engineering requirements for Physics Selec					
(0-3)	Multidisciplinary Elect	ive <u>LINK</u> (Select courses	could satisfy Science, Technology & Society Se	elective for core)				
Electives (≤ 18 credits)							
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University C	ore Requirements <u>L</u>	<u>INK</u>						
Human Cultures Hu	manities		Science, Technology & Society Selective	? □				
Human Cultures Bel	havioral/Social Science		Written Communication	\Box				
Information Literacy			Oral Communication	\Box				
Science Selective			 Quantitative Reasoning	\Box				
Science Selective								
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			e for knowing and completing all degr					
				_				
	Degree W	orks is knowleage s	ource for specific requirements and c	ompieuon				

Applied Physics

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	
17			16-17		

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 Selective III /culture	Language 102/ usually no pre-req
4	Calculus III Selective *	Calculus II	3	STAT 30100*	
3 -4	Language II Selective	Language 101	3	Elective	Prerequisites may vary
15-16			15-16	•	

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
4	PHYS 31000	PHYS 272 + MA 261	3	PHYS 36000	(PHYS 310 or 330) + PHYS 344
3	PHYS 33000	PHYS 272 + MA 261	3	PHYS 51500	Coreq PHYS 310 + 344 + 360 + 330
2	PHYS 45000	PHYS 42200	3	Applied Physics Elective	Prerequisites may vary
3	COM 21700*		3	Applied Physics Elective	Prerequisites may vary
3 -4	CS 15800 (or CS 17700)	MA 161 coreq	3	General Ed (Humanities)*	
15 -16			15		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	Applied Physics Elective	Prerequisites may vary	3	Applied Physics Elective	Prerequisites may vary
3	Applied Physics Elective	Prerequisites may vary	3	Applied Physics Elective	Prerequisites may vary
3	Applied Physics Elective	Prerequisites may vary	3	Applied Physics Elective	Prerequisites may vary
3	Great Issues	Prerequisites may vary	3	General Ed (Behav./Social Science)*	
3	General Ed (Humanities)*		3	Multidisciplinary (STS)*	
15			15	•	

[🏄] Identified as a critical course. Student should earn minimum of a B- see advisor for further details.

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.

^{*} Satisfies a University Core Requirement