

PHYSICS and ASTRONOMY
Energy Option - BA (120 hours) Effective 2017-2021

NAME	PID	Optional 2 nd Major or Minor
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FOUNDATIONS

English Comp. and Rhetoric	Foreign Language*		Quant. Reas. (QR)	Lifetime Fitness (LFIT)
	1.	3.	MATH 231	(1 hr.)
	2.	4.		

* Through Level 3

APPROACHES

Phys. and Life Sciences (PL/PX)	Social and Behavioral Sciences **	Humanities/Fine Arts
PHYS 118 (#)	Hist. Analysis (HS):	Vis. & Perf. Arts (VP):
PHYS 119 (#)	Soc. Sci./Hist. Analysis (SS/HS):	Literary Arts (LA):
	Soc. Sci./Hist. Analysis (SS/HS):	Phil. Reasoning (PH):

** From at least two departments

CONNECTIONS

Communication Int. (CI)	Quant. Int. (QI) or 2nd Quant. Reas. (QR)	Experiential Ed. (EE)	Global Issues (GL)
	MATH 232		
US Diversity (US)	North Atlantic World (NA)	World before 1750 (WB)	Beyond the NA (BN)

SUPPLEMENTAL EDUCATION Cannot be a course from the major department or any course used to satisfy major requirements. May only double with Connections. A second major or minor, once completed, meets Supplemental Ed. **Courses must be 3 hours or more.**

	1. >199	2. >199	3. >199
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MAJOR/MINOR/ELECTIVES

Additional Requirements		PHYSICS ♦ Core Requirements (9 courses)				
MATH 231(#)	CHEM 101 101L(#)	PHYS 118(#)	PHYS 211 (F) or 311			
MATH 232(#)	CHEM 102(#)	PHYS 119(#)	PHYS 331			
MATH 233(#)	CHEM 261(#)	PHYS 131 (#) (S)	PHYS 351 (F)			
MATH 383(#)	CHEM 481	PHYS 131L or 281L(#)	PHYS 581 or 582			
BIOL 101 BIOL 101L (#)		PHYS 201 (S) or 401				
BIOL 202 or 271(#)						

♦ **2.0 OR HIGHER GPA REQUIRED IN MAJOR AND MINOR CORE COURSES.** No more than 45 hours of PHYS courses will count toward the degree. Substitutions for required physics courses require approval of the Director of Undergraduate Studies.

(#) Should ideally be taken prior to the Junior year. Consult the suggested course of study
 PHYS 131 and 201 are offered only in the spring; PHYS 211 and 351 are offered only in the fall.

Remaining courses after this term:	Hours to be deducted:	Hours Tally:	Notes:
___ Foundations	Repeated courses	Hours to date: _____	
___ Approaches	HSFL	Hours in progress _____	
___ Connections	Online courses > 24	Pending Study Abroad* _____	
___ Supplemental	Other	Subtotal _____	
___	Professional School > 30	Hours deducted _____	
___	Hours in subject (BA) > 45	Hours after this term _____	
___	Total	Hours remaining to grad _____	
___ Requirements subtotal		Semesters left _____	
___ Total			
		*Pending study abroad hours may differ from hours earned.	

This tally assumes successful completion of presently enrolled courses (not AB or IN), and it does not account for all possible overlaps