

<b>PHYSICS and ASTRONOMY</b>		
<b>Biological Physics Option - BA (120 hours) Effective 2017</b>		
NAME	PID	Optional 2 <sup>nd</sup> Major or Minor

**FOUNDATIONS**

English Comp. and Rhetoric	Foreign Language* HSFL(s)	Quant. Reas. (QR)	Lifetime Fitness (LFIT)
	1. _____	<b>MATH 231</b>	(1 hr.)
	2. _____		
	3. _____		
	4. _____		

\* Through Level 3

**APPROACHES**

Phys. and Life Sciences (PL/PX)	Social and Behavioral Sciences **	Humanities/Fine Arts
<b>PHYS 118 (#)</b>	Hist. Analysis (HS):	Vis. & Perf. Arts (VP):
<b>PHYS 119 (#)</b>	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)
PHYS 281L	<b>MATH 232</b>		
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 ♦ (8 courses)				
BIOL 101	MATH 233	PHYS 118 (#)	PHYS 331		
CHEM 101 CHEM 101L	MATH 383	PHYS 119 (#)	PHYS 405 (F)		
CHEM 102 CHEM 102L	(##)	PHYS 201 (S) or 401	PHYS 441(F) or CHEM 481		
MATH 231		PHYS 211 (F) or 311	PHYS 585 (capstone)		
MATH 232		PHYS 281L (#)			

♦ 18 hours ≥ C (not C-) required in Core Requirements. 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.

(##) Six additional credits chosen from BIOL (numbered above 200); CHEM 261, 262, 430; PHYS (numbered above 200)

PHYS 201 is offered in the spring only; PHYS 211, 405, and 441 are offered in the fall only.

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

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