

**PHYSICS and ASTRONOMY**  
**Biological Physics Option - BA (120 hours) Effective 2012-2013**

NAME	PID	Optional 2 <sup>nd</sup> Major or Minor
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**FOUNDATIONS**

English Comp. and Rhetoric	Foreign Language* HSFL(s)		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 116 (#)	Hist. Analysis (HS):	Vis. & Perf. Arts (VP):
PHYS 117 (#)	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 ♦ (7 courses)				
BIOL 101	MATH 233	PHYS 116 (#)				
CHEM 101 CHEM 101L	MATH 383	PHYS 117 (#)	PHYS 405			
CHEM 102 CHEM 102L		PHYS 128 (#) PHYS 128L (#)	♦♦			
MATH 231	(##)					
MATH 232	(##)					

(#) Should ideally be taken prior to the Junior year. Consult the suggested course of study.

♦ 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.

♦♦ One capstone course, tentatively PHYS 391.003.

(##) Two additional courses chosen from PHYS (numbered above 200), BIOL (numbered above 200), and CHEM 261, 262, and 430.

<b>Date/Advisor:</b>			
<b>Remaining courses after this term:</b>	<b>Hours to be deducted:</b>	<b>Hours Tally:</b>	<b>Notes:</b>
___ Foundations	Repeated courses	Hours to date:	
___ Approaches	HSFL	Hours in progress*:	
___ Connections	Online courses > 24	Subtotal	
___ Supplemental	Online in Major/minor > 6	Hours deducted	
___ (hrs C___)	Professional School > 24	Hours after this term	
___ (hrs C___)	Hours in subject (BA) > 45	Hours remaining to grad	
___ (hrs C___)	Total	Semesters left	
___ Requirements subtotal			
___ Total			
		*Include pending study abroad hours	

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