

<b>PHYSICS and ASTRONOMY</b>		
<b>Medical and Biological Physics Option - BA (120 hours) Effective 2021</b>		
NAME	PID	Optional 2 <sup>nd</sup> Major or Minor

**FOUNDATIONS**

English Comp. and Rhetoric	Foreign Language*		Quant. Reas. (QR)	Lifetime Fitness (LFIT)
	1.	3.	<b>MATH 231</b>	(1 hr.)
	2.	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 ♦ (9 courses)				
BIOL 101	MATH 233	PHYS 118 (#)	PHYS 331			
CHEM 101 CHEM 101L	MATH 383	PHYS 119 (#)	PHYS 586			
CHEM 102 CHEM 102L	((#))	PHYS 201 (S) or 401	PHYS/BMME 441 (F) or CHEM 481			
MATH 231		PHYS 211 (F) or 311	PHYS 461(S) or PHYS 405			
MATH 232		PHYS 281L (#)				

♦ **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.

((#)) Six additional credits chosen from BIOL (numbered above 200); CHEM 261, 262, 430; PHYS (numbered above 200); PHYS 295 and PHYS 395 with research projects in medical and biological physics, and Introduction to Magnetic Resonance (PHYS 529) are recommended.

PHYS 201 and PHYS 461 is offered in the spring only; PHYS 211 and 441 are offered in the fall only.

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			
		<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**