

**PHYSICS and ASTRONOMY**  
**Computational Physics Option - BA (120 hours) Effective 2021**

NAME	PID	Optional 2 <sup>nd</sup> Major or Minor
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**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 ♦ (8 courses)				
MATH 231	COMP 283 or MATH 381	PHYS 118 (#)	PHYS 331		
MATH 232		PHYS 119 (#)	PHYS 332 (F)		
MATH 233		PHYS 201 (S) or 401	(##)		
MATH 383		PHYS 211 (F) or 311	(###)		
COMP 210		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.

(##) Three additional credits chosen from: PHYS/COMP 447, PHYS 421 (S); COMP 301

(###) ASTR 202 (F), ASTR (numbered above 300); PHYS (numbered above 200) - PHYS 594 and PHYS 632 are recommended; COMP (numbered above 420); MATH 347 or MATH 577; STOR 435

PHYS 201 is offered in the spring only; PHYS 211 and 332 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**