

**PHYSICS and ASTRONOMY**  
**Astrophysics Option BS (123 hours)** **Effective 2019-2020**

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.		

\*Recommended: ENGL 1051 (Writing in the Natural Sciences)      \*\* 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 2 <sup>nd</sup> Quant. Reas. (QR)	Experiential Ed. (EE)	Global Issues (GL)
<b>PHYS 281L</b>	<b>MATH 232</b>		
<b>US Diversity (US)</b>	<b>North Atlantic World (NA)</b>	<b>World before 1750 (WB)</b>	<b>Beyond the NA (BN)</b>

**MAJOR/MINOR/ELECTIVES**

Other Requirements	PHYSICS ♦ Core Requirements (14 courses)				
ASTR 202(#)(F)	PHYS 281L(#)	PHYS 421 (S)			
MATH 231(#)	PHYS 311 (F)*#)	PHYS 441 (F)			
	PHYS 331 (4) (#)	PHYS 521 (F)			
MATH 232(#)	PHYS 332 (F)	ASTR 519			
MATH 233(#)	PHYS 351 (F)	PHYS 395 or 692H (##)			
MATH 383(#)					
CHEM 101 CHEM 101L(#)*¥	PHYS 401 (S)	♦♦			
PHYS 118(#)	PHYS 412 (S)	♦♦♦			
PHYS 119(#)	♦ 18 hours of C or higher grades (not C-) required in PHYS core requirements. Advantageous to defer some of the General Education requirements to the junior and/or senior year(s).				

(#) These courses should be taken prior to the Junior year. Consult the suggested course of study.

(##) Optional for UNC-BEST students

¥ CHEM 102/CHEM 102L are recommended but not required.

♦♦ One additional course chosen from ASTR (numbered above 300).

♦♦♦ One additional course chosen from ASTR (numbered above 300); ENGL 303; MATH 528, 529; PHYS 231.

ASTR 202, PHYS 311, 332, 351, 441, and 521 are only offered in the fall; PHYS 231, 401, 412, and 421 are only offered in the spring.

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 _____	
____ (hrs C____) _____	Professional School > 30 _____	Hours deducted _____	
____ (hrs C____) _____	Hours in subject (BA) > 4 5 _____	Hours after this term _____	
____ (hrs C____) _____	Total _____	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**