

## 2019-2020 Pathway for Bachelor of Science in Physics

*Please see your academic advisor to develop your individual plan. This is only meant to be a guide.*

**A maximum of 64 hours is transferable from a North Carolina Community College.**

Freshman/First Year							
First Semester - Fall				Second Semester - Spring			
CC Course	N.C. A&T Equivalent	Credit Hours	Required/Notes	CC Course	N.C. A&T Equivalent	Credit Hours	Required/Notes
	PHYS 100	1		PHY 251	PHYS 241	3	UGETC: Nat Sci - AS
	PHYS 101	3			PHYS 251	1	
MAT 271	MATH 131	4	UGETC: Math- AS	MAT 272	MATH 132	4	GEN ED: Math
	GEEN 160	2		ENG 112	ENGL 101	3	UGETC: Eng Comp-AA/AS
ENG 111	ENGL 100	3	UGETC: Eng Comp-AA/AS		Humanities / Fine Arts (HFA)	3	
	African Amer. Hist & Culture (AA) <sup>1</sup>	3		ACA 122	FRST 101	1	AA/AS Required Course
Total Credit Hours		16		Total Credit Hours		15	

Sophomore/Second Year							
Third Semester - Fall				Fourth Semester - Spring			
CC Course	N.C. A&T Equivalent	Credit Hours	Required/Notes	CC Course	N.C. A&T Equivalent	Credit Hours	Required/Notes
PHY 252	PHYS 242/252	4	UGETC: Nat Sci - AS		PHYS 305	3	
MAT 151 <i>or</i> MAT 152*	MATH 224	3	UGETC: Math - AA*		PHYS 306	3	
MAT 273	MATH 231	4	GEN ED: Math		PHYS 345	3	
CHM 151	CHEM 106/116	4	UGETC: Nat Sci - AA/AS		MATH 331	3	
					Social/Behavioral Sciences (SBS) <sup>1</sup>	3	
Total Credit Hours		15		Total Credit Hours		15	

Junior/Third Year							
Fifth Semester - Fall				Sixth Semester - Spring			
CC Course	N.C. A&T Equivalent	Credit Hours	Required/Notes	CC Course	N.C. A&T Equivalent	Credit Hours	Required/Notes
	PHYS 400	3			PHYS 416	3	
	PHYS 415	3			PHYS 375	2	
	PHYS 420	3			PHYS 422	3	
	MATH 350	3			Global Awareness (GL) <sup>1</sup>	3	
	Engl 331	3			Science Elective	3	
<b>Total Credit Hours</b>		<b>15</b>		<b>Total Credit Hours</b>		<b>14</b>	

Senior/Fourth Year							
Seventh Semester - Fall				Eighth Semester - Spring			
CC Course	N.C. A&T Equivalent	Credit Hours	Required/Notes	CC Course	N.C. A&T Equivalent	Credit Hours	Required/Notes
	PHYS 430	3			PHYS 3xx <sup>2</sup> Elective	3	
	PHYS 450	3			PHYS 3xx <sup>2</sup> Elective	3	
	PHYS 475	2			Science Elective	3	
	PHYS 494 <sup>3</sup>	3			Free Elective <sup>4</sup>	3	
	PHYS 492	1			Free Elective <sup>4</sup>	3	
	Free Elective <sup>4</sup>	3					
<b>Total Credit Hours</b>		<b>15</b>		<b>Total Credit Hours</b>		<b>15</b>	

**Total Required Hours: 120**

<sup>1</sup>Courses may only satisfy ONE general education requirement GL,AA,SBS, or HFA (e.g. LIBS 202 can satisfy HFA or AA,but not both).

<sup>2</sup>Physics electives (6 hours) numbered 300 or above.

<sup>3</sup>PHYS 494 - capstone course

<sup>4</sup>Free electives (9 hours) - It is suggested that at least 6 of these hours be FOLA courses

### **MAJOR PROGRAM REQUIREMENTS**

*Students must earn a C or better in PHYS courses.*

**All of your GEN ED and UGETC requirements are satisfied, if you have earned an Associate in Arts or Associate in Science Degree from a North Carolina Community College.**



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