2019-2020 Pathway for Bachelor of Atmospheric Sciences and Meteorology

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.

			Freshr	man/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	
ACA 122	FRST 101	1	AA/AS Required Course	ENG 112	ENGL 101		UGETC: Eng Comp- AA/AS	
ENG 111	ENGL 100		UGETC: Eng Comp- AA/AS		ASME 151	3		
	Afr. Amer. Hist & Cult (AA) ¹	3		MAT 272	MATH 132	4	UGETC: Math – AS	
MAT 271	MATH 131	4	UGETC: Math - AS		PHYS 100	1		
CHM 151	CHEM 106/116	1 4	UGETC: Nat Sci -AA/ AS		Humanities/Fine Arts (HEA)¹	3		
	Total Credit Hours 15				Total Credit Hours 14			

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	
	ASME 251	3			Global Awareness (GL) ¹	3		
	ASME 252	1			MATH 224	3		
	Soc/Behav Sci (SBS)1	3			ASME 231	3		
MAT 273	MATH 231	4	GEN ED: Math		PHYS 305	3		
PHY 251	PHYS 241/251	4	UGETC: Nat Sci - AS	PHY 252	PHYS 242/252	4	UGETC: Nat Sci - AS	
	Total Credit Hours 15				Total Credit Hours 16			

Junior/Third Year							
Fifth Semester - Fall				Sixth Semester - Spring			
		Credit				Credit	
CC Course	N.C. A&T Equivalent	Hours	Required/Notes	CC Course	N.C. A&T Equivalent	Hours	Required/Notes

PHYS 345	3	ASME 422 4	
ASME 433	3	ASME 434 3	
ENGL 331	3	PHYS Elective ³ 3	
PHYS 411	3	Technical Elective⁴ 3	
PHYS 400	3	ASME Elective ²⁻¹ 3	
Total Credit Hours	15	Total Credit Hours 16	

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	
	ASME 492	1			ASME 496⁵	6		
	Free Elective	3			ASME 492	1		
	ASME Elective ² - ²	3			ASME Elective ² -3	3		
	PHYS 450	3			Free Elective	3		
	Technical Elective⁴	3						
	PHYS Elective ³	3						
	Total Credit Hours 16				Total Credit Hours 13			

Total Required Hours: 120

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

- ²-1ASME Elective: Course must be chosen from ASME 211, 275, 285.
- ²-²ASME Elective: Course must be chosen from ASME 420, 423, 430, or 440.
- ²-³ASME Elective: Course must be chosen from ASME 463, 470, 480, 481, **or** 491.
- ³Physics Elective: Course must be chosen from PHYS 412, 415, 420, 430, 440, 447, or 475.
- ⁴Technical Electives: Course must be in Mathematics, Science, or Engineering.
- ⁵ASME 496 capstone course.

Free electives (9 credit hours).

MAJOR PROGRAM REQUIREMENTS

Students must earn a C or better in ASME, PHYS and MATH 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.