

2019-2020 Pathway for Bachelor of Science Electrical Engineering

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		
ENG 111	ENGL 100	3	UGETC: Eng Comp	ENG 112 or 113 or 114	ENGL 101	3	UGETC: Eng Comp		
	ECEN 101	3		PHY 251	PHYS 241	3	UGETC: Nat. Science		
EGR 131	GEEN 111	1			PHYS 251	1			
CSC 134 or CSC 139 or CSC 151 or CSC 239	COMP 163	3		MAT 272	MATH 132	4	GEN ED: Mathematics		
MAT 271	MATH 131	4	UGETC: Math	CHM 151	CHEM 106/CHEM 116	4	UGETC: Nat. Sci.		
EGR 150	GEEN 100	2	Pre-Major/Elective						
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		
MAT 285	MATH 341	3	Pre-major/Elective	See notes below ¹	Soc/Behav Sci Elective	3			
MAT 273	MATH 231	4	GEN ED: Math	MAT 280	MATH 351	3	Pre-major/Elective		
PHY 252	PHYS 242	3	UGETC: Nat. Sci.		ECEN 300	3			
	PHYS 252	1			ECEN 306	1			
ELC 131 or ELC 138	ECEN 200	3			ECEN 212	3			
	ECEN 206	1			ECEN 218	1			
					MEEN 230	3			
Total Credit Hours				15	Total Credit Hours				17

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
	African-American Culture	3		ELN 232	ECEN 351	3	
	ECEN 356	3			ECEN 357	1	
	ECEN 320	3			ECEN 460	3	
	ECEN 326	1			ECEN 466	1	
	ECEN 325	3			ECEN 450	3	
See notes below ³	Global Awareness	3			ECEN 400	3	
Total Credit Hours		16		Total Credit Hours		14	

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
	ECEN 478 ^a	3			ECEN 479 ^a	3	
	ECEN 4XX ^b	3			ECEN 4XX ^b	3	
	ECEN 4XX ^b	3			ECEN 4XX ^b	3	
	ECEN 4XX ^b	3			ECEN 4XX ^b	3	
	ISEN 260	2			SPCH 250	3	
Total Credit Hours		14		Total Credit Hours		15	

Total Required Hours: 122

¹Social/Behavioral Science Elective- Select one of the following: BUS 125, ECO 251, ECO 252, HIS 131, HIS 132, HIS 221, HIS 222, HIS 223, HIS 112, HIS 122, POL 120, PSY 150, SOC 210, ANT 210, **or** HEA 110.

²AA Elective- Select one of the following: ENG 273, HIS 221, HIS 222, **or** HIS 223.

³Global Awareness- Select one of the following: HIS 111, HIS 112, HIS 121, HIS 122, BUS 240, **or** REL 110.

MAJOR PROGRAM REQUIREMENTS

Students must earn a C or better in the following courses:

ECEN 101	ECEN 410
ECEN 200	ECEN 427
ECEN 300	ECEN 430
ECEN 306	ECEN 433
ECEN 320	ECEN 450
ECEN 325	ECEN 460
ECEN 326	ECEN 466
ECEN 327	ECEN 478
ECEN 356	ECEN 479
ECEN 400	All Technical Electives

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.