

2019-2020 Pathway for Bachelor of Science in Civil 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- AA & AS	ENG 112	ENGL 101	3	UGETC: Eng Comp- AA & AS
CHM 151	CHEM 106/116	4	UGETC: Nat. Sci.- AA/AS	PHY 251	PHYS 241/251	4	UGETC: Nat. Sci- AS
EGR 150	GEEN 100	2	Pre-major/Elective	MAT 272	MATH 132	4	UGETC: Math- AS
EGR 131	GEEN 111	1			African American Elective	3	
MAT 271	MATH 131	4	UGETC: Math- AS	CIV 125	CAEE 121	0	
ARC 111	CAEE 101	2					
Total Credit Hours			16	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
MAT 273	MATH 231	4	GEN ED: Math	MAT 285	MATH 341	3	Pre-major/Elective
PHY 252	PHYS 242/252	4	UGETC: Nat. Sci.- AS		CIEN 281	1	
EGR 220	CAEE 231	3	Pre-major/Elective	EGR 230	CAEE 232	3	
EGR 250	CAEE 230	1			CAEE 240	3	
	CM 214	2			CAEE 362	3	
	CM 224	1			Global Studies	3	
Total Credit Hours			15	Total Credit Hours			16

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
	CAEE 363	1			CIEN 320	3	
	CAEE 325	3			CIEN 321	1	
ARC 112 <i>or</i> CEG 210	CAEE 330	3			CAEE 304	3	
	CAEE 335	1			CAEE 364	3	
	CIEN 350	3			CAEE 430	3	
	CAEE 334	2			CIEN 310	3	
	CAEE 400	1					
					CIEN 311	1	
Total Credit Hours 14				Total Credit Hours 17			

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
	CIEN 483	1			CIEN 484	2	
	CAEE 436	3			Social Science Elective	3	
	CAEE 481	3			Science Elective	3	
	CIEN 412	3			CIEN 453	3	
	Humanities Elective	3			CIEN 405	1	
	CIEN 422	3					
Total Credit Hours 16				Total Credit Hours 12			

Total Required Hours: 120

MAJOR PROGRAM REQUIREMENTS

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

CAEE 100

PHYS 241

CAEE 231	PHYS 242
CAEE 232	MATH 131
CAEE 240	MATH 132
CAEE 304	MATH 231
CAEE 334	MATH 431
CAEE 362	CHEM 106
CAEE 400	Science Electives
MEEN 241	GEEN 161
GEEN 100	

and UGETC
requirements are