

2019-2020 Pathway for Bachelor of Science in Chemical 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	ENGL 101	3	UGETC: Eng Comp		
CHM 151	CHEM 106	3	UGETC: Nat. Sci.	PHY 251	PHYS 241	3	UGETC: Nat. Sci.		
	CHEM 116	1			PHYS 251	1			
EGR 150	GEEN 100	2	Pre-Major/Elective	MAT 272	MATH 132	4	GEN ED: Math		
EGR 131	GEEN 111	1		BIO 111	BIOL 101	4	UGETC: Nat. Sci.		
MAT 271	MATH 131	4	UGETC: Math		CHEN 121	1			
Total Credit Hours				14	Total Credit Hours				16

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		
Social/Behav Sci. ¹	Social/Behav Sci.	3		MAT 285	MATH 341	3	Pre-Major/Elective		
	CHEN 200	4			CHEN 226	3			
MAT 273	MATH 231	4	GEN ED: Math	Humanities/Fine Arts ²	Humanities/Fine Arts	3			
EGR 230	MEEN 260	2		CHM 251	CHEM 221	3	Pre-Major/Elective		
CHM 152	CHEM 107	3	UGETC: Nat. Sci.		CHEM 223	1			
	CHEM 117	1		CHEN 218	3				
Total Credit Hours				17	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
	Global Awareness	3			CHEN 320	3	
	CHEN 300	3			CHEN 330	2	
	CHEN 312	4			CHEN 340	3	
	CHEM 441	3			MEEN 230	3	
PHY 252	PHYS 242	3	UGETC: Nat. Sci.		ECEN 340	3	
	PHYS 252	1					
Total Credit Hours		17		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
	African-American	3			CHEN 440	3	
	CHEN 430	3			CHEN 448	3	
	CHEN 400	3			CHEN Elective	3	
	CHEN 410	2			Adv CHEM Elective	3	
	CHEN 422	3					
Total Credit Hours		14		Total Credit Hours		12	

Total Required Hours: 120

¹Social/Behavior Science - 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.

²Humanities/Fine Arts- Select one of the following: HUM 110, HUM 130, HUM211, HUM 212, HUM 240, ENG 261, ENG 262, ENG 273, MUS 110, PHI 210, REL 110, PHI 240, COM 110, **or** COM 111

³AA Culture and History - Select one of the following: ENG 273, HIS 221, HIS 222, **or** HIS 223.

⁴Global 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:

CHEM 106	GEEN 100
CHEM 107	GEEN 111
MATH 131	GEEN 121
MATH 132	MEEN 230
MATH 231	MEEN 260
MATH 341	ECEN 340
BIOL 101	CHEN 200
PHYS 241	CHEN 300
PHYS 242	CHEN 320

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.