

2019-2020 Pathway for Bachelor of Science in Secondary Education (Chemistry)

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
CHM 151	CHEM 106	3	UGETC: Nat Sci- AA/AS	CHM 152	CHEM 107	3	UGETC: Nat Sci- AS
	CHEM 116	1			CHEM 117	1	
	CHEM 108	1		ENG 112	ENGL 101	3	UGETC: Eng Comp- AA/AS
ENG 111	ENGL 100	3	UGETC: Eng Comp- AA/AS		African American ²	3	
	CUIN 102	2		EDU 271	CUIN 101	1	
MAT 271	MATH 131 ¹	4	UGETC: Math -AS	EDU 216	CUIN 110	2	Pre-Major Elective
				BIO 111	BIOL 101	4	UGETC: Nat Sci- AA/AS
Total Credit Hours		14		Total Credit Hours		17	

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
CHM 251	CHEM 221	3	Pre-Major Elective	CHM 252	CHEM 222	3	Pre-Major Elective
	CHEM 223	1		CHM 261	CHEM 231	3	
MAT 272	MATH 132	4	UGETC: Math -AS		CHEM 232	2	
PHY 251	PHYS 241	3	UGETC: Nat Sci- AS	PHY 252	PHYS 242	3	UGETC: Nat Sci- AS
	PHYS 251	1			PHYS 252	1	
EDU 216	CUIN 210	2	Pre-Major Elective		CUIN 255	2	
					Global Awareness ³	3	
Total Credit Hours		14		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
	CHEM 441	3			CUIN 420	2	
	FOLA Elective ⁴	3			CHEM 411	3	
	CHEM 443	1			CHEM 451	3	
	BIOL Elective	4			Humanities/Fine Arts ⁵	3	
	CUIN 410	2			FOLA Elective ⁴	3	
	Free Elective	3			CHEM 452	2	
Total Credit Hours				Total Credit Hours			
16				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
	CHEM 431	3			CUIN 498	9	
	CHEM 432	2			CUIN 470	3	
	CUIN 435	3					
	Social/Behavioral Science ⁶	3					
	Free Elective	3					
Total Credit Hours				Total Credit Hours			
14				12			

Total Required Hours: 120

¹Student not eligible to be placed in MATH 131 must complete MATH 110 prior to enrolling in MATH 131.

²Select one of the following: ENGL 333, ENGL 334, HIST 106, HIST 107, HIST 103, LIBS 202, MUSI 220. Courses may only satisfy ONE general education requirement Global Awareness, African American, Social and Behavioral Sciences, or Humanities and Fine Arts (eg. LIBS 202 can satisfy Humanities/Fine Arts or African American, but not b

³Select one of the following: HIST 130, HIST 206, HIST 207, HIST 216, HIST 231, MGMT 221, PHIL 103, PHIL 201.

⁴Two consecutive courses in the same foreign language.

⁵Select one of the following: ENGL 200, ENGL 201, ENGL 230, ENGL 231, ENGL 333, ENGL 334, LIBS 202, MUSI 216, MUSI 220, PHIL 101, PHIL 103, PHIL 104, PHIL 201, PHIL 267, SPCH 250.

⁶Select one of the following: BUED 279, ECON 200, ECON 201, FCS 135, FCS 181, FCS 260, HIST 103, HIST 104, HIST 105, HIST 106, HIST 107, HIST 130, HIST 207, HIST 216, HIST 231, JOMC 240, POLI 110, PSYC 101, SOCI 100, SOCI 200, SSFM 226.

MAJOR PROGRAM REQUIREMENTS

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

CHEM 106	CHEM 443
CHEM 107	CHEM 451
CHEM 108	CHEM 452
CHEM 116	CUIN 102
CHEM 117	CUIN 101
CHEM 221	CUIN 110
CHEM 222	CUIN 210
CHEM 223	CUIN 255
CHEM 231	CUIN 410
CHEM 232	CUIN 420
CHEM 411	CUIN 435
CHEM 431	CUIN 498
CHEM 432	CUIN 470
CHEM 441	

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.