2019-2020 Pathway for Bachelor of Science in Mathematics

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
MAT 271	MATH 131 (MLAR)	4	UGETC: Math- AS	MAT 272	MATH 132 (MLAR)	4	UGETC: Math- AS
	MATH 105	1		ENG 112 or ENG 113 or ENG 114	ENGL 101 (WC)	3	UGETC: Eng Comp- AA /AS
ENG 111	ENGL 100 (WC)	3	UGETC: English Comp- AA /AS		Foreign Language[1]/Elective	3	
	Foreign Language[1]/Elective	3			Math 140	3	
	Global Awareness[2] (GA)	3			MATH 106	1	
ACA 122	FRST 101 (SS)	1	AA/AS Required Course		AA History and Culture[4] (AA)	3	
	Total Credit Hours	**15**			**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
MAT 273	MATH 231	4	GEN ED: Math		MATH 211	4	
COM 110* *or* COM 111**	SPCH 250 (HFA)	3	GEN ED: Comm* *or* Pre-Major Elective**	PHY 252	PHYS 242/252 (SR)	4	UGETC: Nat. Sci.- AS
	MATH 240	3			Soc/Behav Sci[5] (SBS)	3	

CC Course	N.C. A&T Equivalent	Credit Hours	Required/Notes	CC Course	N.C. A&T Equivalent	Credit Hours	Required/Notes
PHY 251	PHYS 241/251 (SR)	4	UGETC: Nat. Science AS	MAT 152	MATH 224	3	UGETC: Math- AA
	MATH 215	1					
	Total Credit Hours	**15**			**Total Credit Hours**	**14**	

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
MAT 285/280	MATH 341/351	3		MAT 280/285	MATH 351/341	3	
	MATH 320	3			MATH 340/365	3	
	MATH 377	3			MATH 378	3	
	Ethical Reasoning Elective[6]	3			Science Elective[7]	4	
	HPED	2			Elective	3	
	Total Credit Hours	**14**			**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
	MATH 411	3			MATH 412	3	
	MATH Elective[8]	3			MATH Elective[8]	3	
	Science Elective[7]	4			MATH 496	3	
	Electives	4			Electives	6	
	Total Credit Hours	**14**			**Total Credit Hours**	**15**	

Total Required Hours: 120

[1]Two courses: FREN 101, FREN 102; *or* GERM 101, GERM 102; *or* SPAN 101, SPAN 102; *or* RUSS 101, RUSS 102; taken in sequence.

[2]One course from: HIST 130, 207, 216 *or* 231, or PHIL 103 *or* 201.

[3]For students starting in MATH 103, MATH 104, *or* MATH 110, the programming courses should be replaced with electives *or* HPED 200 in the first year. Then GEEN 161 and MATH 240 should be taken prior to MATH 340/365. See the Mathematics Student Handbook for a sample program guide.

[4]One course from: HIST 103, 106, *or* 107, *or* LIBS 202, *or* MUSI 220.

[5]One course from: BUED 279, ECON 200, *or* 201, HIST 104 *or* 105, POLI 100, PSYC 101, *or* SOCI 100 *or* 200.

[6]One course from: PHIL 104, 201, 263, 316, 317, *or* 320.

[7]8 hours from: CHEM 100, 110, and BIOL 100; *or* CHEM 106, 116 and CHEM 107, 117; CHEM 106, 116 and BIOL 101.

[8]9 hours from: MATH 123, 310, 323, 330, 485, 607, 608, 610, 611, 612, 620, 623, 624, 631, 632, 650, 651, 652, 665, 690, STAT 324, 328, 423, 424, 425, 426.

<u>MAJOR PROGRAM REQUIREMENTS</u>

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

MATH 105	MATH 341
MATH 106	MATH 340/365
MATH 131	MATH 351
MATH 132	MATH 377
MATH 211	MATH 378
MATH 215	MATH 411
MATH 224	MATH 412
MATH 231	MATH 496
MATH 240	MATH Electives (2)
MATH 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.