Fayetteville State University   Mathematics, BS
Four-Year Degree Plan

Catalog: 2018-2019   **Type:** Community College Transfer - AS   **Last Update:** 10/12/2018

This Plan illustrates how students who earn an Associate's degree from a NC community college can meet degree course requirements in four years. Some courses listed below may be taken in an alternate order. Consider prerequisites, prior credit, course availability, and student needs in developing the individual plan. Courses fulfilling requirements are listed on the reverse. For information about prerequisites and other program requirements, consult the appropriate Catalog Program of Study and an advisor.

Year/Term	Course/Requirement	Cr	Pre	Req	Note/Equivalent	Year/Term	Course/Requirement	Cr	Pre	Req	Note/Equivalent
Year 1 Fall	**Community College**	**14**				**Year 1 Spring**	**Community College**	**17**			
ACA 122 - College Transfer Success		1	C	1.1	UNIV 110	ENG 112 - Writing/Research in the Disc		3	C	2.1	ENGL 120
ENG 111 - Writing and Inquiry		3	C	2.1	ENGL 110	MAT 172 - Precalculus Trigonometry		4	C	3.22	MATH 130
UGETC: Comm/Hum		3	C	2.2	Humn Creative Arts	UGETC: Natural Sci		4	C	5.12	Natural Sci
MAT 171 - Precalculus Algebra		4	C	3.22	MATH 129	UGETC: Soc/Behav Sci		3	C	5.2	Social Sci
UGETC: Soc/Behav Sci		3	C	5.2	Social Sci	CIS 115 - Intro to Prog & Logic		3	C	8.2	CSC 105
Year 2 Fall	**Community College**	**15**				**Year 2 Spring**	**Community College**	**14**			
UGETC: Comm/Hum		3	C	2.2	Humn Creative Arts	MAT 272 - Calculus II		4	C	8.2	MATH 241
UGETC: Natural Sci		4	C	5.12	Natural Sci	CSC 130T - Computing Fundamentals II		4	C	9.11	CSC 130
MAT 271 - Calculus I		4	C	8.2	MATH 142	MAT 167 - Discrete Mathematics		3	C	9.11	MATH 150
CSC 120T - Computing Fundamentals I		4	C	9.11	CSC 120	MAT 280 - Linear Algebra		3	C	9.11	MATH 251
Year 3 Fall	**Fayetteville State**	**15**				**Year 3 Spring**	**Fayetteville State**	**15**			
MATH 242 - Calculus w/ Anal Geom III		4	Y	9.1	MAT 273	MATH 260 - Foundations of Mathematics		3	Y	9.1	
MATH 262 - Modern Geometry		3	Y	9.1		MATH 312 - History of Mathematics		3	Y	9.1	
Restricted Elective		3	C	9.4		CSC 202 Or CSC 204		3	C	9.3	
Free Elective		3	C	11		Restricted Elective		3	C	9.4	
Free Elective		2	C	11		Restricted Elective		3	C	9.4	
Year 4 Fall	**Fayetteville State**	**15**				**Year 4 Spring**	**Fayetteville State**	**15**			
MATH 400-level Elective		3	C	9.1		MATH 400-level Elective		3	C	9.1	
MATH 331 - Differential Equations I		3	Y	9.1	MAT 285	MATH 400-level Elective		3	C	9.1	
MATH 361 - Intro Mod Algebra I		3	Y	9.1		MATH 362 - Intro Mod Algebra II		3	Y	9.1	
MATH 412 - Advanced Calculus		3	Y	9.1		STAT 302 - Mathematical Statistics		3	Y	9.3	
STAT 301 - Introduction to Probability		3	Y	9.3		Free Elective		3	C	11	

Degree Total: **120**

Fayetteville State Four-Year Plan   Mathematics, BS

Requirements/Notes

Pre. Prerequisite: Y (Yes) - Course/Requirement has prerequisite(s). N (No) - Course/Requirement has no prerequisite. C (Check) - Some courses satisfying   requirement have prerequisites and/or courses have non-prerequisite restrictions. Check Catalog for details.

* Recommended. For transfer courses, following recommendations will reduce or eliminate the need to take additional courses at FSU.   For FSU courses, following recommendations will optimize the student's educational experience. If in doubt, consult an advisor.

UGETC. Universal General Education Transfer Component course.   Accepted as satisfying a general education requirement at any UNC institution.

1.1. Transfer Success. ACA 122 .

2.1. UGETC: English Comp. ENG 111 Or ENG 112 .

2.2. UGETC: Comm/Hum. COM 231 Or ART 111 Or ART 114 Or Art 115 Or ENG 231 Or ENG 232 Or ENG 241 Or ENG 242 Or MUS 110 Or MUS 112 Or PHI 215 Or PHI 240 .

3.22. UGETC: Math. MAT 171 Or MAT 172 Or MAT 263 Or MAT 271 Or MAT 272 .

5.12. UGETC: Natural Sci. AST 151 And AST 151A Or BIO 110 Or BIO 111 And BIO 112 Or CHM 151 And CHM 152 Or GEL 111 Or PHY 110 And PHY 110A Or PHY 151 And PHY 152 Or PHY 251 And PHY 252 .

5.2. UGETC: Soc/Behav Sci .

8.2. GEN ED: Addl .

9.1. Mathematics. MATH 142 And MATH 150 And MATH 241 And MATH 242 And MATH 251 And MATH 260 And MATH 262 And MATH 312 And MATH 331 And MATH 361 And MATH 362 And MATH 412 And Select three: MATH 431 Or MATH 461 Or MATH 472 Or MATH 481 Or MATH 492 .

9.11. Pre-Maj/Elec .

9.3. Other Requirements. STAT 301 And STAT 302 And CSC 105 And CSC 120 And CSC 130 And (CSC 202 Or CSC 204) .

9.4. Restricted Elective. BIOL 150-BIOL 499 Or CHEM 141-CHEM 499 Or CSC 200-CSC 499 Or MATH 300-MATH 499 Or PHYS 125-PHYS 499 Or STAT 315-STAT 499 Or ECON 200-ECON 499 Or MATS 100-MATS 499   Select at least 9 credits in addition to the Scientific Literacy - Natural Sciences requirement and the other course requirements.

11. Free Elective .