Fayetteville State University
Four-Year Degree Plan

Mathematics, BS

Catalog: 2018-2019

Type: Community College Transfer - AA

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 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 UGETC: Natural Sci 4 C 5.1 Natural Sci UGETC: Comm/Hum 3 C 2.23 Humn Creative Arts UGETC: Soc/Behav Sci 3 C 5.2 Social Sci MAT 171 - Precalculus Algebra 4 C 3.2 MATH 129 CIS 115 - Intro to Prog & Logic 3 C 8.2 CSC 105 UGETC: Soc/Behav Sci 3 C 5.2 Social Sci MAT 172 - Precalculus Trigonometry 4 C 8.2 MATH 130 Year 2 Fall Community College 17 Vear 2 Spring Community College 17 UGETC: Comm/Hum - COM 231* 3 C 2.23 SPEE 200 MAT 272 - Calculus II 4 C 8.2 MATH 24	
ENG 111 - Writing and Inquiry 3 C 2.1 ENGL 110 UGETC: Natural Sci 4 C 5.1 Natural Sci UGETC: Comm/Hum 3 C 2.23 Humn Creative Arts UGETC: Soc/Behav Sci 3 C 5.2 Social Sci MAT 171 - Precalculus Algebra 4 C 3.2 MATH 129 CIS 115 - Intro to Prog & Logic 3 C 8.2 CSC 105 UGETC: Soc/Behav Sci 3 C 5.2 Social Sci MAT 172 - Precalculus Trigonometry 4 C 8.2 MATH 130 Year 2 Fall Community College 14 Year 2 Spring Community College 17 UGETC: Comm/Hum 3 C 2.23 Humn Creative Arts UGETC: Soc/Behav Sci 3 C 5.2 Social Sci UGETC: Comm/Hum - COM 231* 3 C 2.23 SPEE 200 MAT 272 - Calculus II 4 C 8.2 MATH 241 MAT 271 - Calculus I 4 C 8.2 MATH 142 CSC 130 - Computing Fundamentals II 4 C 9.11 CSC 130 CSC 120 - Computing Fundamentals I 4 C 9.11 CSC 120 MAT 167 - Discrete Mathematics 3 C 9.11 MATH 150	
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CSC 120 - Computing Fundamentals I 4 C 9.11 CSC 120 MAT 167 - Discrete Mathematics 3 C 9.11 MATH 150	
MAT 280 - Linear Algebra 3 C 9.11 MATH 251	
Year 3 Fall Fayetteville State 13 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	
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 And ENG 112.
- 2.23. 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.
- **3.2.** UGETC: Math. MAT 143 Or MAT 152 Or MAT 171.
- 5.1. UGETC: Natural Sci. AST 111 And AST 111A Or AST 151 And AST 151A Or BIO 110 Or BIO 111 Or CHM 151 Or GEL 111 Or PHY 110 And PHY 110A.
- 5.2. UGETC: Soc/Behav Sci. ECO 251 Or ECO 252 Or HIS 111 Or HIS 112 Or HIS 131 Or HIS 132 Or POL 120 Or PSY 150 Or SOC 210.
- **8.2.** GEN ED: Addl . Choose courses classified as general education under the Comprehensive Articulation Agreement. May include additional UGETC courses.
- 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-Major/Elective. Major courses that can be taken at the community college. CSC 121 may be taken instead of CSC 120. CSC 221 may be taken instead of CSC 130...
- 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 .