



The sequence below is contingent upon the student completing the A.S. degree from a North Carolina Community College

Semester	NCCC Course	Credits	FSU Equivalent
1	ACA 122	1	UNIV 110
	ENG 111	3	ENGL 110
	UGETC Hum/Fine Arts Elective	3	
	UGETC Math: MATH171 ¹	4	MATH 129
	Gen Ed Elective: COM 231 ¹	3	BADM 215
	Gen Ed Elective: HUM 115 (recommended) ¹	3	PHIL 110

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2	ENG 112	3	ENGL 120
	UGETC Hum/Fine Arts Elective	3	
	UGETC Natural Science Elective ¹ : BIO 111 OR CHM 151	4	BIOL 150 or CHEM 141/142
	UGETC Social/Behavioral: ECO 252 ¹	3	ECON 212
	Other Elective: MATH172 (recommended) ¹	4	MATH 130

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3	Social/Behavioral Elective	3	
	Other Elective (PE recommended)	2	
	Other Elective: CIS 115 (recommended) ¹	3	CSC 105
	Other Elective: MAT 271 (recommended) ¹	4	MATH 142
	Other Elective	3	

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4	UGETC Hum/Fine Arts Elective	3	
	UGETC Social/Behavioral: ECO 251 ¹	3	ECON 211
	General Ed Elective: UGETC Natural Science ¹ BIO 112 OR CHM 152	4	BIOL 150 or CHEM 161/162
General Ed Elective : MAT 272 (recommended) ¹	4	MATH 241	

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Notes: ¹Courses recommended in order to complete the requirements for Bachelor of Science in Mathematics with a concentration in Applied Mathematics

²For course listings, refer to Undergraduate Catalog

Fayetteville State University's Curriculum Plan reflects the **Bachelor of Science in Mathematics with a concentration in applied Mathematics** courses and requirements published in the 2015-2016 Undergraduate Catalog. Some courses listed below may be taken in an alternate year and order. Students are responsible for meeting all applicable pre-requisites. Prior credit, course availability, and student needs must be considered in developing the individual plan.

Semester	FSU Courses	Credits	Requirement Type
5	MATH 150	3	MAJOR COURSE ²
	MATH 242	4	MAJOR COURSE
	MATH 251	3	MAJOR COURSE
	CSC 120	3	OTHER MAJOR REQUIREMENTS

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Semester	FSU Courses	Credits	Requirement Type
6	MATH 260	3	MAJOR COURSE
	MATH 320	3	MAJOR COURSE
	MATH 331	3	MAJOR COURSE
	Select one from: CSC 310 OR CSC 360 OR MATH 325 OR MATH 345 OR MATH 350 OR MATH 372 OR MATH 380 OR MATH 405 OR MATH 410 OR MATH 420 OR STAT 315 OR STAT 415	3	APPLIED MATHEMATICS COURSE
	CSC 130	3	OTHER MAJOR REQUIREMENTS

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Semester	FSU Courses	Credits	Requirement Type
7	MATH 361	3	MAJOR COURSE
	MATH 412	3	MAJOR COURSE
	MATH 420	3	APPLIED MATHEMATICS COURSE
	MATH 431	3	MAJOR COURSE
	MATH 435	3	MAJOR COURSE
	STAT 301	3	OTHER MAJOR REQUIREMENTS
	CSC 202 or CSC 204	3	OTHER MAJOR REQUIREMENTS

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Semester	FSU Courses	Credits	Requirement Type
8	MATH 362	3	MAJOR COURSE
	Select two from: MATH 431, MATH 461, MATH 472, MATH 481 OR MATH 492	6	MAJOR COURSE
	MATH 440	3	APPLIED MATHEMATICS COURSE
	Select two from: CSC 310 OR CSC 360 OR MATH 325 OR MATH 345 OR MATH 350 OR MATH 372 OR MATH 380 OR MATH 405 OR MATH 410 OR MATH 420 OR STAT 315 OR STAT 415	6	APPLIED MATHEMATICS COURSES
	STAT 302	3	OTHER MAJOR REQUIREMENTS

UNIVERSAL GENERAL EDUCATION TRANSFER COMPONENT

(All Universal General Education Transfer Component courses will transfer for equivalency credit.)

English Composition (6 SHC)

The following two English composition courses are required.

ENG 111 Writing & Inquiry (3 SHC)

ENG 112 Writing/Research in the Disciplines (3 SHC)

Select two courses from the following from at least two different disciplines (6 SHC)

Communications

COM 231 Public Speaking (3 SHC)

Humanities/Fine Arts

ART 111 Art Appreciation (3 SHC)

ART 114 Art History Survey I (3 SHC)

ART 115 Art History Survey II (3 SHC)

ENG 231 American Literature I (3 SHC)

ENG 232 American Literature II (3 SHC)

MUS 110 Music Appreciation (3 SHC)

MUS 112 Introduction to Jazz (3 SHC)

PHI 215 Philosophical Issues (3 SHC)

PHI 240 Introduction to Ethics (3 SHC)

Social/Behavioral Sciences (6 SHC)

Select two courses from the following from at least two different disciplines:

ECO 251 Principles of Microeconomics (3 SHC)

ECO 252 Principles of Macroeconomics (3 SHC)

HIS 111 World Civilization I (3 SHC)

HIS 112 World Civilization II (3 SHC)

HIS 131 American History I (3 SHC)

HIS 132 American History II (3 SHC)

POL 123 American Government (3 SHC)

PSY 150 General Psychology (3 SHC)

SOC 210 Introduction to Sociology (3 SHC)

Math (8 SHC)

Select two courses from the following:

MAT 171 Pre-calculus Algebra (4 SHC)

MAT 172 Pre-calculus Trigonometry (4 SHC)

MAT 263 Brief Calculus (4 SHC)

MAT 271 Calculus I (4 SHC)

Natural Sciences (8 SHC)

Select 8 SHC from the following course (s):

AST151 General Astronomy I (3 SHC) and AST 151A General Astronomy Lab I (1 SHC)

BIO 110 Principles of Biology (4 SHC)

BIO 111 General Biology I (4SHC) and BIO 112 General Biology II (4 SHC)

CHM 151 General Chemistry I (4 SHC) and CHM 152 General Chemistry II (4 SHC)

GEL 111 Introductory Geology(4 SHC)

PHY 110 Conceptual Physics I (3 SHC) and PHY 110A Conceptual Physics Lab(1 SHC)

PHY 151 College Physics I (4 SHC) and PHY 152 College Physics II (4 SHC)

PHY 251 General Physics I (4 SHC) and PHY 252 General Physics II(4 SHC)

ADDITIONAL GENERAL EDUCATION HOURS (11 SHC)

An additional 11 SHC of courses should be selected from courses classified as general education within the Comprehensive Articulation Agreement. Students should select these courses based on their intended major and transfer university.

Total General Education Hours Required: 45

OTHER REQUIRED HOURS (15 SHC)

Academic Transition (1 SHC)

The following course is required:

ACA 122 College Transfer Success (1 SHC)