

2023-2024 Degree Map-Bachelor of Science in Mathematics Education

This map is a term-by-term sample course schedule. The milestones listed to the right of each term are designed to keep you on course to graduate in four years. The Sample Schedule serves as a general guideline to help you build a full schedule each term. See course descriptions and prerequisites at <http://www.atu.edu/catalog/>

Employment Information: Math Teacher

#Prerequisite Courses: ENGL 0303 ___ MATH 0803 ___ MATH 1003 ___ MATH 0903 ___ MATH 1113 ___ MATH 1110 ___ MATH 1203 ___ MATH 1914 ___

Sample Schedule	Milestones/Notes	
Semester 1	Hrs.	Grade
ENGL 1013- Comp I (ACTS=ENGL 1013)	3	#
U.S. History & Government	3	
MATH 1001- Orientation to Mathematics	1	#
MATH 2914- Calculus I (ACTS= MATH 2405)	4	#
General Elective	4	
Total hours	15	GPA

Sample Schedule	Milestones/Notes	
Semester 2	Hrs.	Grade
ENGL 1023- Comp II (ACTS= ENGL 1023)	3	#
Social Science	3	
General Elective	3	
MATH 2703- Discrete Mathematics	3	#
MATH 2924- Calculus II (ACTS= MATH 2505)	4	#
Total hours	16	GPA

Sample Schedule	Milestones/Notes	
Semester 3	Hrs.	Grade
PHYS 2114/2000- Calculus-Based Physics I (ACTS=PHYS 2034)	4	#
COMS 2803- Programming in C	3	#
MATH 2934- Calculus III (ACTS= MATH 2603)	4	#
MATH 3003- Foundations of Advanced Mathematics	3	#
SEED 2002- Education as a Profession	2	#
Total hours	16	GPA

Sample Schedule	Milestones/Notes	
Semester 4	Hrs.	Grade
PHYS 2124/2010- Calculus-Based Physics II (ACTS=PHYS 2044)	4	#
Fine Arts & Humanities	3	#
ANTH 2003- Cultural Anthropology (ACTS=ANTH 2013)	3	#
MATH 3123- College Geometry	3	#
MATH 3243- Differential Equations I	3	#
Total hours	16	GPA

The Arkansas Course Transfer System (ACTS) is designed to assist in planning the academic progress of students. This system contains information about the transferability of courses within Arkansas public colleges and universities. The Arkansas Course Transfer System can be accessed by searching keyword "ACTS" at <https://adhe.edu/>

Fine Arts and Humanities ART 2123 Experiencing Art (ACTS=ARTA1003) MUS 2003 Introduction to Music (ACTS=MUSC1003) TH 2273 Introduction to Theatre (ACTS=DRAM 1003) ENGL/JOUR 2173 Introduction to Film ENGL 2003 Introduction to World Literature (ACTS=ENGL2113) ENGL 2013 Intro. to American Literature (ACTS=ENGL2653) PHIL 2003 Introduction to Philosophy (ACTS=PHIL1103) PHIL 2053 Introduction to Critical Thinking (ACTS=PHIL 1003) 1013 from SPAN, FR, GER, JPN, CHIN, or LAT 1023 from SPAN, FR, GER, JPN, CHIN, or LAT LEAD 2003 Ethics in Leadership	U.S. History & Government HIST 1903 Survey of American History HIST 2003 U.S. History to 1877 (ACTS=HIST2113) HIST 2013 U.S. History since 1877 (ACTS=HIST2123) POLS 2003 American Government (ACTS=PLSC2003)
University Honors students should consult Course Catalog for appropriate Fine Arts/Humanities, US History/Government and Social Science options for University Honors Curriculum.	

Sample Schedule	Milestones/Notes	
Semester 5	Hrs.	Grade
Fine Arts & Humanities	3	#
COMM 2003- Public Speaking	3	
STAT 3153- Applied Statistics	3	#
MATH 4003- Linear Algebra I	3	#
MATH 4113- History of Mathematics	3	#
Total hours	15	GPA

Sample Schedule	Milestones/Notes	
Semester 6	Hrs.	Grade
MATH 3203- Introduction to Analysis	3	#
MATH 3703- Mathematics in the Secondary Schools	3	#
MATH 3772- Praxis Mathematics: Content Knowledge and Test Prep	3	#
MATH 4123- Mathematical Modeling	3	#
SEED 3702- Introduction to Educational Technology	2	#
Total hours	13	GPA

Sample Schedule	Milestones/Notes	
Semester 7	Hrs.	Grade
MATH 4033- Abstract Algebra I	3	#
MATH 4703- Special Methods in Mathematics	3	#
SEED 4054- Educating Developing, Diverse, and Exceptional Learners	4	#
SEED 4556- Classroom Application of Educational Psychology	6	#
Total hours	16	GPA

Students must receive passing Praxis II scores to be admitted to Internship

Sample Schedule	Milestones/Notes	
Semester 8	Hrs.	Grade
MATH 4971- Mathematics Senior Seminar	1	#
SEED 4503- Seminar in Secondary Education	3	#
SEED 4909- Teaching in the Secondary School	9	#
Total Hours	13	GPA

MUST BE ADMITTED TO INTERNSHIP

**Graduation Requirements:
Min. 120 earned hours**

2.70+ GPA

General Electives: 7 hours 1000-4000 level

indicates a "C" or better is required

HIST 1503 World History to 1500 (ACTS=HIST1113) HIST 1513 World History since 1500 (ACTS=HIST1123) HIST 2003 U.S. History to 1877 (ACTS=HIST2113) HIST 2013 U.S. History since 1877 (ACTS=HIST2123) HIST 1903 Survey of American History POLS 2003 American Government (ACTS=PLSC2003) ECON 2003 Principles of Macroeconomics (ACTS=ECON2103) ECON 2013 Principles of Microeconomics (ACTS=ECON2203) SOC 1003 Introductory Sociology (ACTS=SOCI1013) PSY 2003 General Psychology (ACTS=PSYC1103)	Social Sciences ANTH 1213 Intro. to Anthropology (ACTS=ANTH1013) ANTH 2003 Cultural Anthropology (ACTS=ANTH2013) GEOG 2013 Regional Geography of the World (ACTS=GEOG2103) AMST 2003 American Studies FIN 2013 Personal Finance LEAD 1003 Introduction to Leadership
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