

**2022-2023 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	Semester 1
ENGL 1013- Comp I (ACTS=ENGL 1013)	3	#	Required for admission to Stage II
U.S. History & Government	3		
MATH 1001- Orientation to Mathematics	1	#	Fall Only
MATH 2914- Calculus I (ACTS= MATH 2405)	4	#	Required for admission to Stage II
General Elective	4		
Total hours	15	GPA	

Semester 2	Hrs.	Grade	Semester 2
ENGL 1023- Comp II (ACTS= ENGL 1023)	3	#	Required for admission to Stage II
Social Science	3		
HLED 1513- Lifetime Health and Fitness (ACTS=HEAL 1003)	3	#	
MATH 2703- Discrete Mathematics	3	#	Pre-req: # in MATH 1113 or higher Milestone
MATH 2924- Calculus II (ACTS= MATH 2505)	4	#	Prerequisite: MATH 2914
Total hours	16	GPA	

Semester 3	Hrs.	Grade	Semester 3
PHYS 2114/2000- Calculus-Based Physics I (ACTS=PHYS 2034)	4	#	Co/Prerequisite: MATH 2924
COMS 2803- Programming in C	3	#	Pre-req: # MATH 1113 or higher
MATH 2934- Calculus III (ACTS= MATH 2603)	4	#	Prerequisite: MATH 2924
MATH 3003- Foundations of Advanced Mathematics	3	#	(Fall Only) Prerequisite: MATH 2703
SEED 2002- Education as a Profession	2	#	Required for admission to Stage II
Total hours	16	GPA	2.70+ GPA REQUIRED

Semester 4	Hrs.	Grade	Semester 4
PHYS 2124/2010- Calculus-Based Physics II (ACTS=PHYS 2044)	4	#	Co/Prerequisite: MATH 2934
Fine Arts & Humanities	3	#	
ANTH 2003- Cultural Anthropology (ACTS=ANTH 2013)	3	#	
MATH 3123- College Geometry	3	#	(Spring Only) Prerequisite: MATH 2924
MATH 3243- Differential Equations I	3	#	Prerequisite: MATH 2924
Total hours	16	GPA	<b>MATH and SEED Advisor Assigned</b>

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 at <https://www.adhe.edu/students-parents/colleges-universities/transfer-info.-for-students/>

Fine Arts and Humanities	U.S. History & Government
ART 2123 Experiencing Art (ACTS=ARTA1003)	HIST 1903 Survey of American History
MUS 2003 Introduction to Music (ACTS=MUSC1003)	HIST 2003 U.S. History to 1877 (ACTS=HIST2113)
TH 2273 Introduction to Theatre (ACTS=DRAM 1003)	HIST 2043 Honors United States History to 1877
ENGL 2173 Introduction to Film	HIST 2013 U.S. History since 1877 (ACTS=HIST2123)
JOUR 2173 Introduction to Film	POLS 2003 American Government (ACTS=PLSC2003)
ENGL 2183 Honors Introduction to Film	
ENGL 2003 Introduction to World Literature (ACTS=ENGL2113)	
ENGL 2013 Intro. to American Literature (ACTS=ENGL2653)	
ENGL 2023 Honors World Literature	
PHIL 2003 Introduction to Philosophy (ACTS=PHIL1103)	
PHIL 2043 Honors Introduction to Philosophy	
PHIL 2053 Introduction to Critical Thinking (ACTS=PHIL 1003)	

Sample Schedule	Milestones/Notes		
Semester 5	Hrs.	Grade	Semester 5
Fine Arts & Humanities	3		<b>Are you admitted to Stage II?</b>
COMM 2003- Public Speaking	3		Required for admission to Stage II
STAT 3153- Applied Statistics	3	#	Prerequisite: MATH 2924
MATH 4003- Linear Algebra I	3	#	Prerequisite: MATH 2924
MATH 4113- History of Mathematics	3	#	(Fall Only) Prereq: MATH 2934
Total hours	15	GPA	

Semester 6	Hrs.	Grade	Semester 6
MATH 3203- Introduction to Analysis	3	#	(Spring Only) Prerequisite: MATH 3003
MATH 3703- Mathematics in the Secondary Schools	3	#	(Spring Only) Prereq: SEED 2002
MATH 3772- Praxis Mathematics: Content Knowledge and Test Prep	3	#	(Spring Only) Req. Stage II Admission
MATH 4123- Mathematical Modeling	3	#	(Spring Only) Prereqs: MATH 2703 & 3243
SEED 3702- Introduction to Educational Technology	2	#	
Total hours	13	GPA	<b>APPLY FOR GRADUATION</b>

Semester 7	Hrs.	Grade	Semester 7
MATH 4033- Abstract Algebra I	3	#	(Fall Only) Prerequisite: MATH 3003
MATH 4703- Special Methods in Mathematics	3	#	Co-reqs: SEED 4054 & SEED 4556
SEED 4054- Educating Developing, Diverse, and Exceptional Learners	4	#	Requires Stage II Admission
SEED 4556-Classroom Application of Educational Psychology	6	#	Requires Stage II Admission
Total hours	16	GPA	<b>APPLY FOR INTERNSHIP</b>
<b>Students must receive passing Praxis II scores to be admitted to Internship</b>			

Semester 8	Hrs.	Grade	Semester 8
MATH 4971- Mathematics Senior Seminar	1	#	
SEED 4503- Seminar in Secondary Education	3	#	<b>MUST BE ADMITTED TO INTERNSHIP</b>
SEED 4909- Teaching in the Secondary School	9	#	
			<b>Graduation Requirements:</b> <b>Min. 120 earned hours</b> <b>2.70+ GPA</b>
Total Hours	13	GPA	

General Electives: 4 hours 1000-4000 level

# indicates a "C" or better is required

Social Sciences
HIST1503 World History to 1500 (ACTS=HIST1113)
HIST1513 World History since 1500 (ACTS=HIST1123)
HIST 1543 Honors World History since 1500
HIST 2003 United States History to 1877 (ACTS=HIST2113)
HIST 2013 United States History from 1877 (ACTS=HIST2123)
HIST 2043 Honors United States History to 1877
HIST 1903 Survey of American History
POLS 2003 American Government (ACTS=PLSC2003)
ECON 2003 Principles of Economics I (ACTS=ECON2103)
ECON 2103 Honors Principles of Economics I
ECON 2013 Principles of Economics II (ACTS=ECON2203)
SOC 1003 Introductory Sociology (ACTS=SOC11013)
PSY 2003 General Psychology (ACTS=PSYC1103)
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