

2020-2021 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 0900 ___ MATH 1113 ___ MATH 1110 ___ MATH 1203 ___ MATH 1914 ___

Sample Schedule

Semester 1	Hrs.	Grade	Milestones/Notes	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			
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	Milestones/Notes	Semester 2
ENGL 1023- Comp II (ACTS= ENGL 1023)	3	#	Required for admission to Stage II	
Social Science	3			
HLED 1513- Personal Health and Wellness(ACTS=HEAL 1003)	3	#		
MATH 2703- Discrete Mathematics	3	#		
MATH 2924- Calculus II (ACTS= MATH 2505)	4	#	Prerequisite: MATH 2914	
Total hours	16	GPA		

Semester 3	Hrs.	Grade	Milestones/Notes	Semester 3
PHYS 2114- Calculus-Based Physics I (ACTS=PHYS 2034) and PHYS 2000	4	#	Co/Prerequisite: MATH 2924	
COMS 2803- Programming in C	3	#		
MATH 2934- Calculus III (ACTS= MATH 2603)	4	#	Prerequisite: MATH 2924	
MATH 3003- Foundations of Number Systems	3	#	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	Milestones/Notes	Semester 4
PHYS 2124- Calculus-Based Physics II (ACTS=PHYS 2044) and PH	4	#	Co/Prerequisite: MATH 2934	
Fine Arts & Humanities	3	#		
ANTH 2003- Cultural Anthropology (ACTS=ANTH 2013)	3	#		
MATH 3123- College Geometry	3	#	Prerequisite: MATH 2924	
MATH 3243- Differential Equations I	3	#	Prerequisite: MATH 2924	
Total hours	16	GPA	MATH and SEED Advisor Assigned	

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 <http://acts.adhe.edu/>

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

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

Semester 6	Hrs.	Grade	Milestones/Notes	Semester 6
MATH 3203- Introduction to Analysis	3	#	Prerequisite: MATH 3003	
MATH 3703- Mathematics in the Secondary Schools	3	#		
MATH 3772- Praxis Mathematics: Content Knowledge and Test Prep	3	#		
MATH 4123- Mathematical Modeling	3	#	Prerequisites: MATH 2703 and MATH 3243	
SEED 3702- Introduction to Educational Technology	2	#		
Total hours	13	GPA	APPLY FOR GRADUATION	

Semester 7	Hrs.	Grade	Milestones/Notes	Semester 7
MATH 4033- Abstract Algebra I	3	#	Prerequisite: MATH 3003	
MATH 4703- Special Methods in Mathematics	2	#		
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	APPLY FOR INTERNSHIP	
Students must receive passing Praxis II scores to be admitted to Internship				

Semester 8	Hrs.	Grade	Milestones/Notes	Semester 8
MATH 4971- Mathematics Senior Seminar	1	#		
SEED 4503- Seminar in Secondary Education	3	#		
SEED 4909- Teaching in the Secondary School	9	#		
			MUST BE ADMITTED TO INTERNSHIP	
			Graduation Requirements:	
			Min. 120 earned hours	
Total Hours	13	GPA	2.70+ 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=SOCI1013)
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
AGBU 2063 Principles Agricultural Macroeconomics
AGBU 2073 Principles Agricultural Microeconomics