

2026-2027 Degree Map-Bachelor of Science in Mathematics

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 <https://catalog.atu.edu/>

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

Possible Careers: Research, Banking and Finance, State & Federal Government Agencies, Computer Programming, Education, Insurance

Sample Schedule	Milestones/Notes		Semester 1
Semester 1	Hrs.	Grade	
ENGL 1013-Comp I (ACTS=ENGL 1013)	3	#	Meet with Career Services
U.S. History & Government	3		
MATH 1001-Orientation to Mathematics	1		Fall Only
MATH 2914-Calculus I (ACTS= MATH 2405)	4	#	Prereq: MATH ACT >26, or C> in MATH 1203/1914
COMS 1013/1011-Programming Foundations I and lab	4		Prereq: MATH 1113 or higher
Total hours	15	GPA	

Sample Schedule	Milestones/Notes		Semester 5
Semester 5	Hrs.	Grade	
Fine Arts & Humanities	3		
COMS 2213-Data Structures or COMS 2323-Prog in Python	3		Prereq: C> in COMS 2203 and MATH 2703
MATH 4033-Abstract Algebra I or MATH 4273 Complex Variables	3		Prereq: MATH 2703 & 4003 or MATH 2934
Elective	3		Draft a résumé and upload it to Handshake and create a LinkedIn profile
Elective	3		
Total hours	15	GPA	

Sample Schedule	Milestones/Notes		Semester 2
Semester 2	Hrs.	Grade	
ENGL 1023-Comp II (ACTS= ENGL 1023)	3	#	
Social Science	3		
MATH 2703-Discrete Mathematics	3		Prereq: C> in MATH 1113 or higher
MATH 2924-Calculus II (ACTS= MATH2505)	4		Prereq: C> in MATH 2914
COMS 2203-Programming Foundations II	3		Prereq: C> in COMS 1013
Total hours	16	GPA	

Sample Schedule	Milestones/Notes		Semester 6
Semester 6	Hrs.	Grade	
Social Sci./Fine Arts/Humanities/Comm	3		
MATH 3203-Intro to Analysis or MATH 4123 Mathematical Modeling	3		Prereq: MATH 2703 and 2924 or Math 2703 and 3243
COMS 2213-Data Structures or COMS 2323-Prog in Python	3		Prereq: C> in COMS 2203 and MATH 2703
STAT 3113-Regression Analysis	3		Prereq: Any introductory statistics
Elective	3		
Total hours	15	GPA	APPLY FOR GRADUATION

Sample Schedule	Milestones/Notes		Semester 3
Semester 3	Hrs.	Grade	
Fine Arts & Humanities	3		Attend Career fairs on campus
PHYS 2114/2000-Calculus-Based Physics I and lab	4		Coreq: MATH 2914
MATH 2934-Calculus III (ACTS= MATH 2603)	4		Prereq: C> in MATH 2924
STAT 3153-Applied Statistics	3		Prereq: C> in MATH 2924
Total hours	14	GPA	

Sample Schedule	Milestones/Notes		Semester 7
Semester 7	Hrs.	Grade	
MATH 4273-Complex Variables or MATH 4033 Abstract Algebra I	3		Prereq: MATH 2934 or MATH 2703 and 4003
MATH or STAT Elective (3000-4000 level)	3		Math Elective Exclude: 3033, 4703
Elective	3		
Elective	3		
Elective (3000-4000 level)	3		
Total hours	15	GPA	

Sample Schedule	Milestones/Notes		Semester 4
Semester 4	Hrs.	Grade	
Social Science	3		
MATH 4003-Linear Algebra I	3		Prereq: MATH 2924
PHYS 2124/2010-Calculus-Based Physics II and lab	4		Prereq or Coreq: MATH 2924
MATH 3243-Differential Equations I	3		Prereq: C> in MATH 2924
Elective	2		Consider Advanced Certificate in Secondary Education to obtain Teacher Licensure
Total hours	15	GPA	MATH ADVISOR ASSIGNED

Sample Schedule	Milestones/Notes		Semester 8
Semester 8	Hrs.	Grade	
MATH 4123-Mathematical Modeling or MATH 3203 Introduction to Analy	3		Prereq: MATH 2703 and 3243
MATH 4971-Mathematics Senior Seminar	1		Graduation Requirements:
MATH or STAT Elective (3000-4000 level)	3		Min. hours 3000-4000 level courses: 40
Elective (3000-4000 level)	3		No more than 4 PE activity hours
Elective (3000-4000 level)	3		Min. hours required: 120
Elective	2		2.00+ GPA
Total Hours	15	GPA	No more than 12 hours of "D" grades

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/>

Electives: 28 hours (1000-4000 level); 9 hours (3000-4000 level)

indicates a "C" or better is required

<p>Fine Arts and Humanities ART 2123 Experiencing Art (ACTS=ARTA1003) MUS 2003 Survey of Music History (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</p>	<p>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)</p> <p>University Honors students should consult Course Catalog for appropriate Fine Arts/Humanities, US History/Government and Social Science options for University Honors Curriculum.</p>
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<p>Social Sciences 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)</p>	<p>Communication Courses COMM 1003 Intro to Speech Comm COMM 2003 Public Speaking COMM 2173 Business and Professional Speaking</p>
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