

NAME: \_\_\_\_\_ T#: \_\_\_\_\_



## Bachelor of Science in Mathematics - 8-Semester Guaranteed Program

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/academics/catalog/>.

### Employment Information: Mathematician, Statistician, Actuary, Astronomer, Bank and Branch Manager, Brokers Floor Representative, Budget Analyst

#Remedial Courses (if applicable):      ENGL 0303 \_\_\_\_\_      ENGL 0404 \_\_\_\_\_      READ 0103 \_\_\_\_\_      MATH 0903 \_\_\_\_\_

Prerequisites (if applicable):      MATH 1914 (ACTS = MATH 1305) \_\_\_\_\_      or MATH 1203 (ACTS = MATH 1203) \_\_\_\_\_

Semester 1 Course Information	Hrs.	Grade	Notes
ENGL 1013 - Composition I (ACTS = ENGL 1013)	3	#	
U.S. History & Government	3		
TECH 1001 - Orientation to the University	1		
MATH 2914 - Calculus I (ACTS = MATH 2405)	4		
General Elective	4		
<b>Total hours</b>	<b>15</b>	<b>GPA</b>	

Semester 2 Course Information	Hrs.	Grade	Notes
ENGL 1023 - Composition II (ACTS = ENGL 1023)	3	#	
Social Science	3		
MATH 2703 - Discrete Mathematics	3		Milestone
MATH 2924 - Calculus II (ACTS = MATH2505)	4		Milestone
General Elective	2		
<b>Total hours</b>	<b>15</b>	<b>GPA</b>	

Semester 3 Course Information	Hrs.	Grade	Notes
Fine Arts & Humanities	3		
PHYS 2114/2000 - General Physics I (ACTS = PHYS 2034)	4		Milestone
MATH 2934 - Calculus III (ACTS = MATH 2603)	4		
MATH 3003 - Foundations of Number Systems	3		
General Elective	1		
<b>Total hours</b>	<b>15</b>	<b>GPA</b>	

Semester 4 Course Information	Hrs.	Grade	Notes
Social Science	3		
COMS 2803 - Programming in C	3		
PHYS 2124/2010 - General Physics II (ACTS = PHYS 2044)	4		
MATH 3243 - Differential Equations I	3		
General Elective	2		
<b>Total hours</b>	<b>15</b>	<b>GPA</b>	<b>MATH ADVISOR ASSIGNED</b>

# indicates a "C" or better is required

\*MATH Electives: May not use MATH 3033, 3173, 4703, or 4772. MATH 4993 must have math department head approval.

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 = ARTA 1003)	HIST 1903 - Survey of American History
MUS 2003 - Introduction to Music (ACTS = MUSC 1003)	HIST 2003 - U.S. History to 1877 (ACTS = HIST 2113)
TH 2273 - Introduction to Theatre (ACTS = DRAM 1003)	HIST 2043 - Honors U.S. History to 1877
ENGL 2173 - Introduction to Film	HIST 2013 - U.S. History II (ACTS = HIST 2123)
JOUR 2173 - Introduction to Film	POLS 2003 - American Government (ACTS = PLSC 2003)
ENGL 2003 - Intro to World Literature (ACTS = ENGL2113)	<b>Science with Lab</b>
ENGL 2013 - Intro to American Literature (ACTS = ENGL 2653)	BIOL 1014 - Intro to Biological Science (ACTS = BIOL 1004)
ENGL 2023 - Honors World Literature	BIOL/PHSC 1004 - Principles of Environmental Science
PHIL 2003 - Introduction to Philosophy (ACTS = PHIL 1103)	GEOL 1014 - Physical Geology (ACTS = GEOL 1114)
PHIL 2043 - Honors Introduction to Philosophy	PHSC 1013/1021 - Physical Sci/Lab (ACTS = PHSC 1004)

Semester 5 Course Information	Hrs.	Grade	Notes
Fine Arts & Humanities	3		
MATH 3153 - Applied Statistics I	3		
MATH 4003 - Linear Algebra I	3		
General Elective	3		
General Elective	3		
<b>Total hours</b>	<b>15</b>	<b>GPA</b>	

Semester 6 Course Information	Hrs.	Grade	Notes
Social Science/Fine Arts/Humanities/Speech	3		
MATH 3203 - Introduction to Analysis	3		
MATH 4123 - Mathematical Modeling	3		
General Elective	3		
General Elective (3000-4000)	3		
<b>Total hours</b>	<b>15</b>	<b>GPA</b>	<b>APPLY FOR GRADUATION</b>

Semester 7 Course Information	Hrs.	Grade	Notes
MATH 4033 - Abstract Algebra I	3		
*MATH Elective (3000-4000)	3		See <b>EXCLUSIONS</b> below.
General Elective	3		
General Elective	3		
General Elective (3000-4000)	3		
<b>Total hours</b>	<b>15</b>	<b>GPA</b>	

Semester 8 Course Information	Hrs.	Grade	Notes
MATH 4971 - Mathematics Senior Seminar	1		<b>Graduation Requirements:</b>  Students must complete 120 hours and achieve a 2.0 GPA or higher with at least 40 hours over 3000 level. No more than 4 hours can be in PE. No more than 12 hours of "D" grades.
*MATH Elective (3000-4000)	3		
General Elective (3000-4000)	3		
General Elective (3000-4000)	3		
General Elective	3		
General Elective	2		
<b>Total Hours</b>	<b>15</b>	<b>GPA</b>	

**General Electives: 29 hours (1000-4000); 12 hours (3000-4000)**

Social Sciences	
HIST 1503 - World History to 1500 (ACTS = HIST 1113)	ECON 2013 - Prince of Economics II (ACTS = ECON 2203)
HIST 1513 - World History since 1500 (ACTS = HIST 1123)	SOC 1003 - Introductory Sociology (ACTS = SOCI 1013)
HIST 1543 - Honors World History to 1500	PSY 2003 - General Psychology (ACTS = PSYC 1103)
HIST 2003 - U.S. History to 1877 (ACTS = HIST 2113)	ANTH 1213 - Intro to Anthropology (ACTS = ANTH 1013)
HIST 2013 - U.S. History since 1877 (ACTS = HIST 2123)	ANTH 2003 - Cultural Anthropology (ACTS = ANTH 2013)
HIST 2043 - Honors U.S. History to 1877	GEOG 2013 - Regional Geography (ACTS = GEOG 2103)
HIST 1903 - Survey of American History	AMST 2003 - American Studies
POLS 2003 - American Government (ACTS = PLSC 2003)	<b>Speech Courses</b>
ECON 2003 - Prince of Economics I (ACTS = ECON 2103)	SPH 1003 - Intro to Speech Com (ACTS = SPCH 1003)
ECON 2103 - Honors Principles of Economics I	SPH 2003 - Public Speaking
	SPH 2173 - Business and Professional Speaking