ARKANSAS TECH UNIVERSITY

NAME:_____ T#:_____ DATE:_____

2014-2015 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 http://www.atu.edu/academics/catalog/.

Possible careers include: Mathematician, Statistician, Actuary, Astronomer, Bank and Branch Manager, Brokers Floor Representative, Budget Analyst, Chief Financial Officer, Compensation Administrator, Employee Benefits Analyst, Financial Aid Counselor, Financial Analyst, Logistician, Mathematical Technician, Meteorologist, Quality Control Engineer

#Remedial Courses (if applicable):ENGL 0303____ ENGL 0404____ READ 0103____ MATH 0903____   Prerequisites (if applicable):MATH 1914(ACTS=MATH1305)____ OR MATH 1203(ACTS=MATH1203)____

Sample Schedule   **Milestones/Notes**

Semester 1	Hrs.	Grade	Semester 1
ENGL 1013: Comp I (ACTS=ENGL 1013)	3	#	
U.S. History & Government	3		
TECH1001: Orientation to the University	1		
MATH2914: Calculus I (ACTS= MATH 2405)	4		# C or > required for Gen Ed. / Milestone
General Elective	4		
Total hours	15	GPA	

Semester 2	Hrs.		Semester 2
ENGL 1023: Comp II (ACTS= ENGL 1023)	3	#	
Social Science	3		
MATH2703: Discrete Mathematics	3		Milestone
MATH2924: Calculus II (ACTS= MATH2505)	4		Milestone
General Elective	2		
Total hours	15	GPA	

Semester 3	Hrs.		Semester 3
Fine Arts & Humanities	3		
PHYS 2114/2000: General Physics I (ACTS=PHYS 2034)	4		Milestone
MATH2934: Calculus III (ACTS= MATH 2603)	4		
MATH3003: Foundations of Number Systems	3		
General Elective	1		
Total hours	15	GPA	

Semester 4	Hrs.		Semester 4
Social Science	3		
COMS2803: Programming in C	3		
PHYS 2124/2010: General Physics II (ACTS=PHYS 2044)	4		
MATH3243: Differential Equations I	3		
General Elective	2		
Total hours	15	GPA	**MATH 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/

Sample Schedule   **Milestones/Notes**

Semester 5	Hrs.	Grade	Semester 5
Fine Arts & Humanities	3		
MATH3153: Applied Statistics I	3		
MATH4003: Linear Algebra I	3		
General Elective	3		
General Elective	3		
Total hours	15	GPA	

Semester 6	Hrs.		Semester 6
Social Sci./Fine Arts/Humanities/Speech	3		
MATH3203: Introduction to Analysis	3		
MATH4123: Mathematical Modeling	3		
General Elective	3		
General Elective (3000-4000)	3		
Total hours	15	GPA	**APPLY FOR GRADUATION**

Semester 7	Hrs.		Semester 7
MATH4033: Abstract Algebra I	3		
*MATH Elective (3000-4000)	3		See excluded math courses below.
General Elective	3		
General Elective	3		
General Elective (3000-4000)	3		
Total hours	15	GPA	

Semester 8	Hrs.		Semester 8
MATH4971: Mathematics Senior Seminar	1		
*MATH Elective (3000-4000) See note below.	3		**Graduation Requirements:**
General Elective (3000-4000)	3		Min. hours 3000-4000 level courses: 40
General Elective (3000-4000)	3		No more than 4 PE activity hours
General Elective	3		Min. hours required:120
General Elective	2		2.00+ GPA
Total Hours	15	GPA	No more than 12 hours of "D" grades

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

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

# indicates a "C" or better is required

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 2173 Introduction to Film
JOUR 2173 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

U.S. History & Government
HIST 1903 Survey of American History
HIST 2003 U.S. History I (ACTS=HIST2113)
HIST 2043 Honors U.S. History I
HIST 2013 U.S. History II (ACTS=HIST2123)
POLS 2003 American Government (ACTS=PLSC2003)

Speech Courses
SPH 1003 Intro. to Speech Com. (ACTS=SPCH1003)
SPH 2003 Public Speaking
SPH 2173 Business and Professional Speaking

Social Sciences
HIST 1503 World Civilization (ACTS=HIST1113)
HIST 1513 World Civilization II (ACTS=HIST1123)
HIST 1543 Honors World Civilization I
HIST 2003 U.S. History I (ACTS=HIST2113)
HIST 2013 U.S. HISTORY II (ACTS=HIST2123)
HIST 2043 Honors U.S. History I
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