Name:	ID Number:	_ Date:	Anticipated Graduation Semester:
	MATHBS-M	ATH3 De	gree Snapshot
University Persp	pectives (0-1 hr)		MATH 31103, Introduction to Abstract Algebra I
	951 , University Perspectives or exemption		MATH 45103, Advanced Calculus 1
			MATH 49303, Mathematics Major Seminar
State Core Englis	sh Composition (0-6 hrs)		CSCE 20004, Programming Foundations I
ENGL 101	.03, Composition 1 or exemption		
ENGL 102	203, Composition 2 or exemption		Statistics Concentration (19 hrs)
			MATH 43503, Numerical Linear Algebra
	<u>istory or Government</u> (3 hrs)		STAT 30133, Introduction to Probability OR MATH
US HIST/F	PLSC		41003
			STAT 30043, Statistical Methods
State Core Math			STAT 30041, Statistics Methods Laboratory OR STAT
Met with major	requirements.		41031 , Introduction to R
Natural Science	out labo for MATURE (9 bys)		STAT 40333 Nonparametric Statistical Methods
	s w/ labs for MATHBS (8 hrs) v/ lab		STAT or MATH 30000+ (or CSCE 41303*)
	v/ lab		STAT or MATH 30000+
State Core Socia	al Sciences (9 hrs)		General Electives (23-40 hrs)
	ence		How you use these hours will depend on your educational and career goals.
	ence		Early in your degree you might use this section to jot down ideas for how to plan. As you get closer to graduation, you might use this section
	ence		to track which classes you've taken outside the above requirements.
State Core Fine	Arts (3 hrs)		
Fine Art _			
State Core Hum			
Humaniti	es		
MATHBS Core (3	•		
	003, College Algebra (or <u>placement</u> in to		
higher ma	·		
	004, Pre-Calculus OR MATH 12003 , Plane		
_	etry (or <u>placement</u> in to higher math)		
MATH 24	.004, Calculus I		
MATH 25	004, Calculus II		
MATH 26	004, Calculus III		
MATH 25	804, Elementary Differential Equations		
MATH 28	003/28001, Transition to Advanced		
Mathema	tics		
MATH 30	903, Abstract Linear Algebra		

Advising Notes		

Graduation Plan

High School credit	List all Advanced Placement, International Baccalaureate, Dual or Concurrent credit			
Year	Fall	Spring	Summer	Total
ear 1				Total 1 st year credit hours (aim for 30):
rear 2				Total 2 nd year credit hours (aim for 60):
/ear 3				Total 3 rd year credit hours (aim for 90):
ear 4				Total 4 th year credit hours (Must be at least 120):

(Graduation Checklist (does your plan include the following):
	2.0 minimum overall UofA GPA (Courses taken at other colleges or universities are not factored into this GPA)
	All state minimum core requirements
	All Major(s)/Minor(s) requirements
	Writing requirement complete
	At least 50% of each major/minor taken from UofA
	24 hours of 30000+ classes exclusively from Fulbright College of Arts and Sciences classes
	30 hours of 30000+ classes exclusively from the University of Arkansas. This can include courses taken for the 24-
	hour rule.
	40 hours of upper-level classes. (30000+ or 20000+ with a pre-requisite. Can include transfer credit.) This can include
	courses taken for the 24-hour and 30-hour rules.
	120 total eligible credit hours (see below for a list of ineligible classes)

Program Information:

The Applied Concentration is a program for the student who wishes to prepare for either applied work in mathematics or graduate work in some field other than mathematics or statistics.

<u>GPA (Grade Point Average)</u>: Every student must have at least a 2.00 cumulative grade point average to be eligible to graduate from the University of Arkansas. A 2.00 cumulative grade-point average on all work completed in the department of mathematical sciences will be required for graduation with a B.A. or B.S. degree.

Please visit https://catalog.uark.edu/undergraduatecatalog for an extensive list of core, major, graduation, and prerequisite requirements. To read more about individual classes, visit the course of instruction page for course descriptions.

Degree Requirement Breakdown by Category

The following information is designed to help you navigate your experience in your degree and answer common questions that may come up for each requirement.

Category	Degree Requirements	Curriculum Notes
UNIVERSITY	V 40	Or equivalent from another University of Arkansas college. (AFLS
PERSPECTIVES	UNIV 10051, University Perspectives (or UNIV 100H1)	102H3, ARSC 12001, GNEG 11101, GNEG 111H1, HIST 1003(H),
	Chira 20002, Office Sixy 1 eropectives (or Office 200112)	HIST 10001, HIST 100H1, PLSC 10003, PLSC 100H3, BUSI/WCOB
0-1 hr		11101, WCOB/BUSI 111H1)
		11101, WCOB/BO31 111n1)
		Note : students who transfer to the University of Arkansas with at
		least 24 credit hours will have this requirement waived.
STATE CORE		See Catalog for information about placement and/or exemption.
COMPOSITION	ENGL 10103, Composition 1 or SAT/ACT exemption (or	
	ENGL 101H3)	
0-6 hrs	ENGL 10203, Composition 2 or SAT/ACT exemption (or	
	ENGL 102H3)	
STATE CORE US	Choose 1: *	*Some courses may appear as options in multiple areas of the
HISTORY or	HIST 20003, History of the American People to 1877	State Core. You can only count each course 1 time in the State Core
GOVERNMENT	HIST 20103, History of the American People 1877 to	and will need unique courses in each of the content areas below.
	Present	
3 hrs	PLSC 20003, American National Government (or PLSC	
CTATE 00	200H3)	December ACT/CAT and the state of the state
STATE CORE	Met with courses in the major	Based on ACT/SAT or other math placement scores, students may
MATHEMATICS		need to enroll in additional remediation related courses. See
3 hrs		<u>catalog</u> or <u>math placement</u> website for additional information.
		C CIL I III
NATURAL	Choose 1 sequence of 2 classes from the same department:	Some of these classes will have pre-requisites.
SCIENCES FOR MATHBS		
WATTIDS	Biology:	
8 hrs	BIOL 10103/10101, Principles of Biology	*If students take BIOL 2003/2001, they will also have to take an
	Then choose 1 from below:	additional natural science class from the university core <u>list</u> .
	BIOL 10503/10501, Principles of Zoology	
	 BIOL 10303/10301, Plant Biology 	
	BIOL 2003/2001, General Microbiology*	
	OR Chamistan	
	Chemistry:	
	CHEM 14103/14101; University Chemistry I	
	CHEM 14203/14201, University Chemistry II	
	OR	
	Geosciences:	
	GEOL 11103/11101, Physical Geology	
	GEOL 11203/11201, Earth Science	
	OP	
	OR Dhysics	
	Physics:	
	PHYS 10304, University Physics I PHYS 10404, University Physics II PHYS 10404,	
CTATE CODE	PHYS 10404, University Physics II Change 3: *	Church march belong leases from the last transfer of the section o
STATE CORE SOCIAL SCIENCES	Choose 3: *	Students must take classes from at least two departments in the
SOCIAL SCIENCES	AGEC 11003, Principles of Agriculture Microeconomics (or AGEC 11003)	Social Sciences category.
9 hrs	(or AGEC 110H3)	
2 3	I .	1

	AGEC 21003, Principles of Agriculture Macroeconomics	*Some courses may appear as options in multiple areas of the
	(or AGEC 210H3)	State Core. You can only count each course 1 time in the State Core
	ANTH 10203, Intro to Cultural Anthropology (or ANTH	and will need unique courses in each of the content areas below.
	102H3)	·
	COMM 10203, Communication in a Diverse World (or	
	ANTH 102H3)	
	ECON 21003, Principles of Macroeconomics (or ECON	
	210H3)	
	ECON 22003, Principles of Microeconomics (or ECON	
	220H3)	
	ECON 21403, Basic Economics: Theory and Practice (or	
	ECON 214H3)	
	EDST 20003, Introduction to Educational Studies	
	GEOG 11103, Human Geography (or GEOG 111H3)	
	GEOG 21003, World Regional Geography (or GEOG	
	210H3)	
	HDFS 14003, Life Span Development (HDFS 140H3)	
	HDFS 24103, Family Relations (or HDFS 241H3)	
	HDFS 26003, Rural Families & Communities (HDFS)	
	260H3)	
	HIST 11193, Institutions and Ideas of World Civilizations I	
	(or HIST 111H3)	
	HIST 11293, Institutions and Ideas of World Civilizations II	
	(or HIST 112H3)	
	HIST 20003, History of the American People to 1877	
	HIST 20103, History of the American People 1877 to	
	Present	
	HIST 20903, Animals in World History	
	HUMN 111H4, Honors Roots of Culture to 500 C.E.	
	(Honors only)	
	HUMN 211H4, Honors Birth of Modern Culture, 1600-	
	1900 (honors only)	
	INST/PLSC 28103, Intro to International Relations &	
	Global Studies (or INST/PLSC 281H3)	
	JOUR 10203, Media and Society	
	PLSC 20003, American National Government (or PLSC	
	200H3)	
	PLSC 20103, Intro to Comparative Politics PLSC 31003, State and Lead Covernment	
	PLSC 21003, State and Local Government PSVC 20003, Conseq Psychology (or PSVC 20013)	
	 PSYC 20003, General Psychology (or PSYC 200H3) RESM 28503, Leisure and Society (or RESM 285H3) 	
	SOCI 10103, General Sociology (or SOCI 201H3)	
	SOCI 20103, Social Problems	
	STEM 20003, The Art of STEM Communication	
STATE CORE FINE	Choose 1: *	*Some courses may appear as options in multiple areas of the
<u>ARTS</u>	ARCH 10003, Architecture Lecture (or ARCH 100H3)	State Core. You can only count each course 1 time in the State
3 hrs	ARHS 10003, Art Lecture (or ARHS 100H3)	Core and will need unique courses in each of the content
55	COMM 10003, Film Lecture (or COMM 100H3)	areas below.
	DANC 10003, Movement and Dance	
	ENGL 20103, Creative Writing 1	
	HUMN 211H4, Honors Birth of Modern Culture 1600-	
	1900 (honors only)	

	LARC 10003, The American Landscape (or LARC 100H3)	
	MLIT 10003, Experiencing Music (or MLIT 100H3)	
	MLIT 10103, Music and Society (music majors only. Or	
	MLIT 101H3)	
	MLIT 13303, Popular Music	
	THTR 10003, Theatre Appreciation (or THTR 100H3)	
	THTR 10103, Musical Theatre Appreciation (or THTR) THTR 10103, Musical Theatre Appreciation (or THTR)	
	101H3)	
	• THTR 16803, Acting I	
	THTR 18803, Acting 1 for Theatre majors	
STATE CORE	Choose 1: *	*Some courses may appear as options in multiple areas of the
<u>HUMANITIES</u>	AAST 20203, The African American Experience	State Core. You can only count each course 1 time in the State
2 h	ANTH 10303, Introduction to Archeology	Core and will need unique courses in each of the content
3 hrs	ARCH 10103, Diversity and Design (or ARCH 101H3)	areas below.
	CLST 10003, Introduction to Classical Studies: Greece (or	
	CLST 100H3)	
	CLST 10103, Introduction to Classical Studies: Rome (or	
	CLST 101H3)	
	COMM 12303, Media, Community and Citizenship (or	
	COMM 123H3)	
	DANC 10003, Dance Appreciation	
	DASC 21303, Data Privacy & Ethics	
	ENGL 11103, World Literature: Beginnings to 1650 CE (or	
	ENGL 111H3)	
	ENGL 11203, World Literature: 1650 CE to Present (or	
	ENGL 112H3)	
	ENGL 12103, Introduction to Literature (or ENGL 121H3)	
	ENGL 20103, Creative Writing I	
	GNST 20003, Introduction to Gender Studies (or GNST	
	200Н3)	
	HIST 11193, Institutions and Ideas of World Civilizations I	
	(or HIST 111H3)	
	HIST 11293, Institutions and Ideas of World Civilizations II	
	(or HIST 112H3)	
	HIST 20003, History of the American People to 1877	
	HIST 20103, History of the American People 1877 to	
	Present	
	HUMN 112H4, Honors Equilibrium of Cultures 500-1600	
	(Honors only)	
	HUMN 22103, Introduction to World Religions	
	LALS 20103, Introduction to Latin American and Latino	
	Studies	
	MRST 20103, Introduction to Medieval and Renaissance	
	Studies	
	MUSY 20003, Music in World Cultures (or MUSY 200H3)	
	PHIL 20003, Introduction to Philosophy (or PHIL 200H3)	
	PHIL 21003, Introduction to Ethics	
	• PHIL 22003, Logic	
	PHIL 23003, Human Nature and the Meaning of Life	
	PHIL 31003, Ethics and the Professions	
	THTR 10003, Theatre Appreciation (or THTR 100H3)	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

	THTR 10103, Musical Theatre Appreciation (or THTR	
	101H3)	
	Any Intermediate level foreign language numbered at the 20000 level	
MATHBS CORE	MATH 11003, College Algebra (may not be required)	The students first math course also meets university core
	based on math placement)	requirements.
36-46 hrs	MATH 13004, Pre-Calculus OR MATH 12003, Plane	·
	Trigonometry (may not be required based on math	Students must earn a C or higher to use a class as a pre-requisite.
	placement)	
	MATH 24004, Calculus I (pre-req: MATH 13004, 12003, or	
	math placement)*	See <u>catalog</u> for additional pre-requisite information for individual
	MATH 25004, Calculus II (pre-req: MATH 24004)	classes.
	MATH 26004, Calculus III (pre-req MATH 25004)	
	MATH 25804, Elementary Differential Equations (pre-req:	*MATH 24005, Calculus I with review, can also be taken here.
	MATH 25004)	
	MATH 28003/28001, Transition to Advanced	**MATH 28003 should be taken as early as possible. While not
	Mathematics (co- OR pre-req: MATH 25004)**	listed in the major as a requirement, MATH 28001 is a co-requisite
	MATH 30903, Abstract Linear Algebra (pre-req: MATH	class that needs to be taken along with MATH 28003.
	2803. co- or pre-req: MATH 25004)***	
	MATH 31103, Introduction to Abstract Algebra I (pre-req:	**Students may not receive credit for both MATH 30903 and
	MATH 28003 and either MATH 30903 or 30803)	MATH 30803
	MATH 45103, Advanced Calculus 1 (pre-req: MATH	***Ch., doubte many most manaity and diff for both MATH 25102 and
	26004, MATH 28003, and either MATH 30903 or	***Students may not receive credit for both MATH 35103 and 45103 in the major.
	30803)****	45105 III the major.
	MATH 49303, Mathematics Major Seminar (Spring only,	
	pre-req: senior standing and mathematics major)	
	CSCE 20004, Programming Foundations I (pre-req: MATH	
<u>STATISTICS</u>	24004) • MATH 43503, Numerical Linear Algebra (pre-req: MATH	* Students who take CSCE 41303 and would like to count it for the
CONCENTRATION	30903 or 30803)	24 hour rule may request this using the General College Petition.
	STAT 30133, Introduction to Probability (pre-req: MATH)	24 flour falle fluly request this using the defletal conege retition.
19 hrs	25004) OR MATH 41003 (pre-req: department consent)	
	STAT 30043, Statistical Methods (pre-req: MATH 24004.	
	Listed in older Catalogs at STAT 4003)	Honors MATH requirements can count in math electives category.
	STAT 30041, Statistics Methods Laboratory (co- pre-req:	See below for more details.
	STAT 3003 encouraged but not required) OR STAT 41031 ,	
	Introduction to R	MATH or STAT 3999T or 4999T courses may count in the
	STAT 40333 Nonparametric Statistical Methods (pre-req:	MATH/STAT 30000+ requirement as students still meet the 50%
	STAT 2823 or STAT 3003)	rule. Not all 999T classes pull into the degree audit automatically, so students may need to request classes be moved into the minor
	• 6 hrs STAT or MATH 30000+ (or CSCE 41303*)	by their academic advisor.
UPPER-LEVEL	Completion of 8 additional hours at the 30000-level or	*This requirement was removed from the 2024-25 catalog.
COURSE	higher not in Mathematics or Statistics chosen with	The department does not enforce this requirement in any
REQUIREMENT	department approval.*	catalog years. Students still need 120 total hours in their
0 b *		degree but may take any general electives they would like in
0 hrs *		lieu of this requirement. For this reason, this requirement
		is not listed in the degree snapshot on page 1.
GENERAL	Hours will vary depending on math placement and whether a	Some general electives may need to be upper level to meet
ELECTIVES	student is exempt from ENGL 10103 and 10203.	college and university residency requirements. See Graduation
22.42.1		Checklist on page 3 for more information.
23-40 hrs WRITING	The college writing requirement may be satisfied in one of two	
REQUIREMENT	ways:	
		ı

	 Upon completion of MATH 49303 	
	 Successful honors thesis defense 	
<u>HONORS</u>	Minimum Requirements for Honors: Maintain cumulative grade point average of 3.5 in all coursework (as well as a 3.5 GPA in all CSCE and MATH/STAT courses) Students must receive a C or higher in all 2000 level MATH/STAT classes required for the degree. Complete a minimum of 12 hours of honors courses from the UofA (including at least 2 hrs of MATH 399HV taken at least one semester before graduation). Students on 2023-24 and older catalogs may count MATH 498V for this requirement. Complete and defend Honors Thesis See Catalog for full description of requirements.	Honors Thesis Timeline: Honors students should consistently check the honors thesis timeline to stay on track to complete your honors thesis. College Honors: Students who also are following the College Honors Plan need to complete additional requirements. Those can be found on the advising website (consult with an academic advisor if you have questions about your catalog year): Academic Planning Resources