lame: ID Number:	_ Date:	Anticipated Graduation Semester:
MATHBS-M	ATH2 De	gree Snapshot
University Perspectives (0-1 hr)		MATH 31103, Introduction to Abstract Algebra I
UNIV 10051, University Perspectives or exemption		MATH 45103, Advanced Calculus 1
		MATH 49303, Mathematics Major Seminar
State Core English Composition (0-6 hrs)		CSCE 20004, Programming Foundations I
ENGL 10103, Composition 1 or exemption		, , ,
ENGL 10203, Composition 2 or exemption		Pure Concentration (18 hrs)
		MATH 41103, Introduction to Abstract Algebra II
State Core US History or Government (3 hrs)		(pre-req: MATH 31103) OR MATH 45203, Advanced
US HIST/PLSC		Calculus II (pre-req: MATH 45103)
		MATH 44403, Complex Variables (pre-req: MATH
State Core Mathematics (0 hrs)		28003 or 26003 and MATH 25804)
Met with major requirements.		MATH or STAT 30000+ (or CSCE 41303)
Noticeal Sciences (Alaba for MATURS (O bus)		MATH or STAT 30000+
Natural Sciences w/ labs for MATHBS (8 hrs) Science w/ lab		MATH or STAT 30000+
Science w/ lab		MATH or STAT 30000+
Sticinee wy lab		
State Core Social Sciences (9 hrs)		General Electives (23-40 hrs)
Social Science		How you use these hours will depend on your educational and career goals.
Social Science		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 sectio
Social Science		to track which classes you've taken outside the above requirements.
State Core Fine Arts (3 hrs)		
Fine Art		
State Core Humanities (3 hrs)		
Humanities		
MATHBS Core (36-46 hrs)		
MATH 11003, College Algebra (or <u>placement</u> in to		
higher math)		
MATH 13004, Pre-Calculus OR MATH 12003, Plane	<u> </u>	
Trigonometry (or <u>placement</u> in to higher math)		
MATH 24004, Calculus I		
MATH 25004, Calculus II		
MATH 26004, Calculus III		
MATH 25804, Elementary Differential Equations		
MATH 28003/28001, Transition to Advanced		
Mathematics		
MATH 30903, Abstract Linear Algebra		

Advising Notes		

Graduation Plan

Use the following additional resources, in addition to this major map, to complete your graduation plan (<u>Catalog</u>, and your <u>Degree Audit</u> in UAconnect). Many students have more than one major, minor, or pre-professional goal that has additional required classes. This tool allows you to combine all your educational goals in to one plan.

High School credit	List all Advanced Placement, International Baccalaureate, Dual or Concurrent credit			
Year	Fall	Spring	Summer	Total
Year 1				Total 1 st year credit hours (aim for 30):
Year 2				Total 2 nd year credit hours (aim for 60):
Year 3				Total 3 rd year credit hours (aim for 90):
Year 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 courses 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	0· · · · · · · · · · · · · · · · ·	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),
	Citiv 20002, Citive Sixty 1 eropectives (or Citiv 200112)	HIST 10001, HIST 100H1, PLSC 10003, PLSC 100H3, BUSI/WCOB
0-1 hr		11101, WCOB/BUSI 111H1)
		IIIOI, WCOB/BOSI IIInI)
		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 CODE	200H3)	Donal or ACT/CAT and the greath allowers to death and a state of the s
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		catalog or math placement website for additional information.
NATURAL	Choose 1 sequence of 2 classes from the same department:	Some of these classes will have pre-requisites.
SCIENCES FOR	Choose I sequence of 2 classes from the same department.	Some of these classes will have pre-requisites.
MATHBS	n	
	Biology:	#15 - 1 1
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 Chamitan	
	Chemistry:	
	CHEM 14103/14101; University Chemistry I	
	CHEM 14203/14201, University Chemistry II	
	OR	
	OR	
	Geosciences:	
	GEOL 11103/11101, Physical Geology	
	GEOL 11203/11201, Earth Science	
	OR	
	Physics:	
	PHYS 10304, University Physics I	
	PHYS 10304, University Physics I PHYS 10404, University Physics II	
STATE CORE	Choose 3: *	Students must take classes from at least two departments in the
SOCIAL SCIENCES	AGEC 11003, Principles of Agriculture Microeconomics	Social Sciences category.
	(or AGEC 110H3)	Social Sciences category.
9 hrs	(2)	

	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.
	102Н3)	
	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 20012)	
	200H3)	
	PLSC 20103, Intro to Comparative Politics PLSC 31003, State and Local Covernment	
	PLSC 21003, State and Local Government PSVC 20003, Conseq Psychology (or PSVC 20012)	
	 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
3 1113	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
HUMANITIES	AAST 20203, The African American Experience	State Core. You can only count each course 1 time in the State
3 hrs	ANTH 10303, Introduction to Archeology	Core and will need unique courses in each of the content
3 1113	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	
	200H3)	
	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 Charles	
	Studies	
	MRST 20103, Introduction to Medieval and Renaissance Caudian	
	Studies	
	MUSY 20003, Music in World Cultures (or MUSY 200H3) DIN 20003, Introduction to Philosophy (or PLIN 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 24003, Fibrian and the Professions	
	PHIL 31003, Ethics and the Professions	
	THTR 10003, Theatre Appreciation (or THTR 100H3)	

	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
25.451	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 25004) 	*MATH 24005, Calculus I with review, can also be taken here.
	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)***	**Ct., double many materials and distant bath NAATU 20002 and
	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	***Students may not receive credit for both MATH 35103 and
	26004, MATH 28003, and either MATH 30903 or 30803)****	45103 in the major.
	MATH 49303, Mathematics Major Seminar (Spring only,	
	pre-req: senior standing and mathematics major)	
	CSCE 20004, Programming Foundations I (pre-req: MATH)	
PURE	24004)	* Students who take CSCE 41303 and would like to count it for the
CONCENTRATION	MATH 41103, Introduction to Abstract Algebra II (pre- reg; MATH 31103) OR MATH 45203. Advanced Calculus II.	24 hour rule may request this using the General College Petition.
CONCENTION	req: MATH 31103) OR MATH 45203, Advanced Calculus II (pre-req: MATH 45103)	24 flour fule may request this using the deficial conege retition.
18 hrs	MATH 44403, Complex Variables (pre-req: MATH 28003)	
	or 26003 and MATH 25804)	
	• 12 hrs MATH or STAT 30000+ (or CSCE 41303*)	Honors MATH requirements can count in math electives category.
	12 ms mm or own seeds (or cost 12000)	See below for more details.
		MATH CTAT 2000T 4000T 4000T
		MATH or STAT 3999T or 4999T courses may count in the MATH/STAT 30000+ requirement as students still meet the 50%
		rule. Not all 999T classes pull into the degree audit automatically,
		so students may need to request classes be moved into the minor
		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 <u>not in Mathematics or Statistics</u> chosen with	The department does not enforce this requirement in any
REQUIREMENT	department approval.*	catalog years. Students still need 120 total hours in their
		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
		Checklist on page 3 for more information.
23-40 hrs		
WRITING	The college writing requirement may be satisfied in one of two	
REQUIREMENT	ways:	

	Upon completion of MATH 49303	
	Successful honors thesis defense	
HONORS	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