Last Updated: July 13, 2023

MATHBA Degree Snapshot

University Perspectives (0-1 hr)	MATH 3093, Abstract Linear Algebra
UNIV 1001, University Perspectives or exemption	MATH 3113, Introduction to Abstract Algebra I
	MATH 3513, Elementary Analysis
State Core English Composition (0-6 hrs)	MATH 4933, Mathematics Major Seminar
ENGL 1013, Composition 1 or exemption	
ENGL 1023, Composition 2 or exemption	Mathematics Electives (12 hrs)
	MATH/STAT 3000+ (or MATH 2584)
State Core US History or Government (3 hrs)	MATH/STAT 3000+ (or CSCE 4133)
US HIST/PLSC	MATH/STAT 3000+
	MATH/STAT 3000+
State Core Mathematics (0 hrs)	
Met in Major	Additional Major/Minor Required (15 hrs minimum, all
	MATHA students must complete a minor or other major
Natural Sciences w/ labs For MATHBA (8 hrs)	other than mathematics or statistics. This can also include
Science w/ lab	College Honors.)
Science w/ lab	Other Minor/Major Declared
State Core Social Sciences (9 hrs)	General Electives (21-35 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
Social Science	how to plan. As you get closer to graduation, you might use this section 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	
	
Computer Science (4 hrs)	
CSCE 2004, Programming Foundations I	
Mathematics BA Core (28-35 hrs)	
MATH 1203, College Algebra (or <u>placement</u> into	
higher math)	
MATH 1284c, Pre-Calculus OR MATH 1213, Plane	
Trigonometry (or <u>placement</u> into higher math)	
MATH 2554c, Calculus I	
MATH 2564c, Calculus II	
MATH 2574c, Calculus III	
MATH 2803/2801L, Transition to Advanced	
Mathematics	

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):
Do you have All state min All Major(s) Writing requ Have At leas 24 hours of 30 hours of		of Arts and Sciences classes Arkansas. This can include courses taken for the 24 equisite. Can include transfer credit.) This can incl		nd 30-hour rules.

COURSES THAT DO NOT COUNT TOWARDS THE 120 HOURS REQUIRED FOR GRADUATION

- ENGL 0002
- MATH 0001L, MATH 0002L, MATH 0003, and MATH 0131L
- Duplicated/Repeated courses (i.e.: if the same course is taken more than once, the hours will only count once for graduation)

Department Information:

Faculty who have exception/substitution authority: Matthew Clay

<u>Transfer Coursework Restriction:</u> At least 50% of a student's Arts and Sciences (ARSC) major or minor must be taken at the University of Arkansas.

<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	2 og. co naquirement	Or equivalent from another University of Arkansas college. (AFLS
PERSPECTIVES	UNIV 1001, University Perspectives	1023H, ARSC 1201, GNEG 1111, HIST 1003(H), HIST 1003(H), PLSC
	2 2002, 33.3.5, 1.3.3903.1103	1003, BUSI/WCOB 1111)
0-1 hr		
		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 1013, Composition 1 or SAT/ACT exemption	
0.61	ENGL 1023, Composition 2 or SAT/ACT exemption	
0-6 hrs STATE CORE US	Choose 1: *	*Some courses may appear as options in multiple areas of the
HISTORY or	HIST 2003, History of the American People to 1877	State Core. You can only count each course 1 time in the State Core
GOVERNMENT	HIST 2013, History of the American People to 1877 to	and will need unique courses in each of the content areas below.
	Present	and will need driique courses in each of the content areas below.
3 hrs	PLSC 2003, American National Government	
STATE CORE	Choose 1:	Based on ACT/SAT or other math placement scores, students may
MATHEMATICS	MATH 1203, College Algebra	need to enroll in additional remediation related courses. See
3 hrs	MATH 1313, Quantitative Reasoning	catalog or math placement website for additional information.
3 nrs	MATH 1514, Calculus with Algebra and Trigonometry	
	STAT 2303, Principles of Statistics	
	Any higher-level mathematics course with MATH 1203 as	
	a pre-requisite	
<u>NATURAL</u>	Choose 2: (each class will have a required lecture and lab	*If students take BIOL 2013/2011L, they will also have to take an
SCIENCES FOR	component):	additional natural science class from the university core <u>list</u> .
MATHBA	ANTH 1013 and ANTH 1011L, Intro to Biological	
8 hrs	Anthropology	
01113	ASTR 2003/2001L, Survey of the Universe	
	BIOL 1524, Biological Principles	
	BIOL 1543/1541L, Principles of Biology	
	BIOL 1603/1601L, Principles of Zoology	
	BIOL 1613/1611L, Plant Biology	
	BIOL 2013/2011L, General Microbiology*	
	CHEM 1053/1051L, Chemistry in the Modern World	
	CHEM 1073/1071L, Fundamentals of Chemistry	
	CHEM 1103/1101L; University Chemistry I	
	CHEM 1123/1121L, University Chemistry II	
	GEOS 1113/1111L, Physical Geology	
	GEOS 1133/1131L, Earth Science	
	PHYS 2054, University Physics I	
	PHYS 2074, University Physics II	
STATE CORE	Choose 3: *	Students must take classes from at least two departments in the
SOCIAL SCIENCES	AGEC 1103, Principles of Agriculture Microeconomics	Social Sciences category.
0.5	AGEC 2103, Principles of Agriculture Macroeconomics	
9 hrs	ANTH 1023, Intro to Cultural Anthropology	*Some courses may appear as options in multiple areas of the
	COMM 1023, Communication in a Diverse World	State Core. You can only count each course 1 time in the State Core
	ECON 2013, Principles of Macroeconomics	and will need unique courses in each of the content areas below.
	ECON 2023, Principles of Microeconomics	
	ECON 2143, Basic Economics: Theory and Practice	
	EDST 2003, Introduction to Educational Studies	
	GEOS 1123, Human Geography	

	11111000011 2023 24 C	
	GEOS 2003, World Regional Geography	
	HDFS 1403, Life Span Development	
	HDFS 2413, Family Relations	
	HDFS 2603, Rural Families & Communities	
	HIST 1113, Institutions and Ideas of World Civilizations I	
	HIST 1123, Institutions and Ideas of World Civilizations II	
	HIST 2003, History of the American People to 1877	
	HIST 2013, History of the American People 1877 to	
	Present	
	HIST 2093, Animals in World History	
	HUMN 1114H, Honors Roots of Culture to 500 C.E.	
	(Honors only)	
	HUMN 2114H, Honors Birth of Modern Culture, 1600-	
	1900 (honors only)	
	INST/PLSC 2813, Intro to International Relations & Globa	
	Studies	
	PLSC 2003, American National Government	
	PLSC 2013, Intro to Comparative Politics	
	PLSC 2203, State and Local Government	
	PSYC 2003, General Psychology PESM 3953, Loisure and Society.	
	 RESM 2853, Leisure and Society SOCI 2013, General Sociology 	
	SOCI 2033, Social Problems	
	STEM 2003, The Art of STEM Communication	
STATE CORE FINE	Choose 1:	Classes taken in this category may not overlap in any other core
<u>ARTS</u>	ARCH 1003, Architecture Lecture	category
3 hrs	ARHS 1003, Art Lecture	
31113	COMM 1003, Film Lecture	
	DANC 1003, Movement and Dance	
	ENGL 2023, Creative Writing 1	
	HUMN 2114H, Honors Birth of Modern Culture 1600-	
	1900 (honors only)	
	LARC 1003, The American Landscape	
	MLIT 1003, Experiencing Music	
	MLIT 1013, Music and Society (music majors only)	
	MLIT 1333, Popular Music TUTD 1000 The second	
	THTR 1003, Theatre Appreciation THTR 1013, Musical Theatre Appreciation	
	 THTR 1013, Musical Theatre Appreciation THTR 1683, Acting I 	
	THTR 1883, Acting 1 for Theatre majors	
STATE CORE	Choose 1: *	*Some courses may appear as options in multiple areas of the
HUMANITIES	AAST 2023, The African American Experience	State Core. You can only count each course 1 time in the State Core
2.5	ANTH 1033, Introduction to Archeology	and will need unique courses in each of the content areas below.
3 hrs	ARCH 1013, Diversity and Design	
	CLST 1003, Introduction to Classical Studies: Greece	
	CLST 1013, Introduction to Classical Studies: Rome	
	COMM 1233, Media, Community and Citizenship	
	DANC 1003, Dance Appreciation	
	DASC 2133, Data Privacy & Ethics	
	ENGL 1213, Introduction to Literature	
	ENGL 2023, Creative Writing I	
	GNST 2003, Introduction to Gender Studies	
	HIST 1113, Institutions and Ideas of World Civilizations I	
	HIST 1123, Institutions and Ideas of World Civilizations II	

	HIST 2003, History of the American People to 1877	
	HIST 2013, History of the American People 1877 to	
	Present	
	HUMN 1124H*, Honors Equilibrium of Cultures 500-1600	
	(Honors only)	
	HUMN 2213, Introduction to World Religions	
	LALS 2013, Introduction to Latin American and Latino	
	Studies	
	MRST 2013, Introduction to Medieval and Renaissance	
	Studies	
	MUSY 2003, Music in World Cultures	
	PHIL 2003, Introduction to Philosophy	
	PHIL 2103, Introduction to Ethics	
	• PHIL 2203, Logic	
	PHIL 2303, Human Nature and the Meaning of Life	
	PHIL 3103, Ethics and the Professions	
	THTR 1003, Theatre Appreciation	
	THTR 1013, Musical Theatre Appreciation	
	WLIT 1113, World Literature: Beginnings to 1650 CE	
	WLIT 1123, World Literature: 1650 CE to Present	
	Any Intermediate level foreign language numbered at the	
	2000 level	
COMPUTER	CSCE 2004, Programming Foundations I (pre-req: MATH	
SCIENCE	2554c)	
4 hrs		
MATHEMATICS	MATH 1203, College Algebra (may not be required based	Students must earn a C or higher to use a class as a pre-requisite.
BA CORE	on math placement)	
28-35 hrs	MATH 1284c, Pre-Calculus OR MATH 1213, Plane	The students first math course also meets university core
20-33 1113	Trigonometry (may not be required based on math	requirements. Based on ACT/SAT or other math placement scores,
	placement)	students may need to enroll in additional remediation related
	• MATH 2554c, Calculus I (pre-req: MATH 1284c, 1213, or	courses. See <u>catalog</u> or <u>math placement</u> website for additional
	math placement)*	information.
	MATH 2564c, Calculus II (pre-reg: MATH 2554c)	
	MATH 2574c, Calculus III (pre-req MATH 2564c)	See <u>catalog</u> for additional pre-requisite information for individual
	MATH 2803/2801L, Transition to Advanced Mathematics	classes.
	(co- OR pre-req: MATH 2554c)**	
	MATH 3093, Abstract Linear Algebra (pre-req: MATH	*MATH 2445, Calculus I with Review, can also be taken here.
	2803. co- or pre-req: MATH 2564c)***	
		** MATH 2803 should be taken as early as possible. While not
	MATH 3113, Introduction to Abstract Algebra I (pre-req: MATH 2003 and with an MATH 2003 and 2003)	listed in the major as a requirement, MATH 2801L is a co-requisite
	MATH 2803 and either MATH 3093 or 3083)	class that needs to be taken along with MATH 2803.
	MATH 3513, Elementary Analysis (pre-req: MATH 2574c,	
	MATH 2803, and either MATH 3093 or 3083)****	***Students may not receive credit for both MATH 3093 and
	MATH 4933, Mathematics Major Seminar (pre-req:	MATH 3083
	senior standing and mathematics major)	
		****Students may not receive credit for both MATH 3513 and
		4513 in the major.
MATHEMATICS	Take 12 hrs of MATH or STAT courses numbered 3000+ or	Students who take CSCE 4133 and would like to count it for the 24
ELECTIVES	higher (MATH 2584 and CSCE 4133 can also count here)	hour rule may request this using the General College Petition.
		., ., ., <u> </u>
12 hrs		*CSCE 4133 is not listed as an option in pre-2018 catalogs.
		MATH 498V may count in the MATH/STAT 3000+ requirement
	1	

		MATH or STAT 399T or 499T courses may count in the MATH/STAT 3000+ requirement as long as students still meet the 50% rule. Not all 99T classes pull into the degree audit automatically, so students may need to request classes be moved into the minor by their academic advisor.
OUTSIDE OF MATH REQUIREMENT 15 hrs minimum	Completion of a minor other than in Mathematics or Statistics. (Includes completion of the STEM Education minor, completion of an additional major, or completion of the Four-Year Fulbright Honors Core for a Bachelor of Arts). Hours required will vary.	
GENERAL ELECTIVES 21-35 hrs	Hours will vary depending on math placement, size of second major/minor and whether a student is exempt from ENGL 1013 and 1023.	Some general electives may need to be upper level to meet college and university residency requirements. See <u>Graduation</u> <u>Checklist</u> on page 2 for more information.
WRITING REQUIREMENT	The college writing requirement may be satisfied in one of two ways: Upon completion of MATH 4933 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 may not remain in the honors program if they earn a D or F in any MATH/STAT course. Complete a minimum of 12 hours of honors courses from the UofA (including at least 2 hrs of MATH 498V taken at least one semester before graduation). Complete and defend Honors Thesis 	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 Core for Bachelor of Arts programs need to also complete those additional requirements: • 2023-24 catalog requirements • 2022-23 and older catalog requirements
	See <u>Catalog</u> for full description of requirements.	