ERSCBS Degr	ee Snanshot
EKSCBS Degr	
<u>University Perspectives</u> (0-1 hr)	MATH 2043, Survey of Calculus OR MATH 2554,
UNIV 1001, University Perspectives (waived for	Calculus I (Cal 1 has additional pre-reqs)
transfer students with 24 or more transferred hours)	ASTR 2003/2001L, Survey of the Universe
	Geoscience Courses (35-36 hrs)
State Core English Composition (0-6 hrs)	GEOS 1113/1111L, Physical Geology or GEOS 115
ENGL 1013, Composition 1 or exemption	Geology for Majors
ENGL 1023, Composition 2 or exemption (see <u>catalog</u> for ACT/SAT test score exemption)	GEOS 1133/1131L, Earth Science
catalog for ACT/SAT less score exemption	GEOS 2313, Minerology
State Core US History or Government (3 hrs)	GEOS 3023, Introduction to Cartography
US HIST/PLSC	GEOS 3043, Sustaining Earth
	GEOS 4353, Meteorology OR GEOS 4363,
State Core Mathematics (0-3 hrs)	Climatology
MATH 1203 (or students can skip and start in higher	GEOS 3413, Sedimentary Geology
math for major based on placement)	GEOS 4033, Hydrology
	GEOS 4693, Environmental Justice OR GEOS 4924
State Core Natural Sciences w/ labs (0 hrs)	Earth System History
Met with major requirements	Take 6 hrs GEOS 3000+ electives:
	GEOS 3000+ electives
State Core Social Sciences (9 hrs)	GEOS 3000+ electives
Social Science	Concrete Flootings (20, 44 hm)
Social Science	General Electives (26-41 hrs) How you use these hours will depend on your educational and career goa
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 sec
State Core Fine Arts (3 hrs)	to track which classes you've taken outside the above requirements
Fine Art	
State Core Humanities (3 hrs)	
Humanities	
<u>Major World Language to 1013 level</u> (3-6 hrs)	
Language 1003 (or fluency)	
Language 1013 (or higher required)	
Biology Requirement (8 hrs)	
BIOL	
BIOL	

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 mir All Major(s), Writing requ Have At leas 24 hours of 30 hours of 120 total eli COURSES THAT		of Arts and Sciences classes rkansas. This can include courses taken for the 24-he equisite. Can include transfer credit.) This can include e classes)		0-hour rules.

• 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: Kevin Befus (faculty advisor) and Jason Tullis

<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.

Please visit <u>https://catalog.uark.edu/undergraduatecatalog</u> for an extensive list of core, major, graduation, and prerequisite requirements. To read more about individual classes, visit the <u>courses of instruction</u> 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	- ·	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
		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 <u>Catalog</u> for information about placement and/or exemption.
COMPOSITION	ENGL 1013, Composition 1 or SAT/ACT exemption	see <u>eatable</u> for mornation about placement and or exemption.
	 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 1877 to	and will need unique courses in each of the content areas below.
	Present	
3 hrs	 PLSC 2003, American National Government 	
STATE CORE	 MATH 1203, College Algebra (or skip by placing in to 	Based on ACT/SAT or other math placement scores, students may
MATHEMATICS	higher math for major through math placement)	need to enroll in additional remediation related courses. See
		catalog or math placement website for additional information.
0-3 hrs		
STATE CORE	Requirement met through major courses	
NATURAL		
SCIENCES CORE		
0 hrs		
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.
0.1	 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	
	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 & Global 	
	Studies	

	THROUGH 2023-24 CA	
	PLSC 2003, American National Government	
	PLSC 2013, Intro to Comparative Politics	
	 PLSC 2203, State and Local Government 	
	 PSYC 2003, General Psychology 	
	 RESM 2853, Leisure and Society 	
	SOCI 2013, General Sociology	
	SOCI 2033, Social Problems	
STATE CORE FINE	STEM 2003, The Art of STEM Communication Choose 1:	Classes taken in this category may not overlap in any other core
ARTS	ARCH 1003, Architecture Lecture	category
	ARHS 1003, Art Lecture	
3 hrs	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 1003, Experiencing Music MLIT 1013, Music and Society (music majors only) 	
	 MLIT 1013, Music and society (music majors only) MLIT 1333, Popular Music 	
	 THTR 1003, Theatre Appreciation THTR 1013, Musical Theatre Appreciation 	
	THTR 1613, Musical meane 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
	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	
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Image: THR 1003, Theatre Appreciation WIT 113, World Literature: Reginnings to 1550 CC. WIT 113, World Literature: Reginnings to 1550 CC. MAION: Lise Complete Liver foreign language numbered at the 200 (regin) Linsequere: The mark be completed by taking only the 1033 level, <u>if the statement events</u> for certain languages as well as information about credit yourn for Sparshin. 3.6 hrs* Take B hours of BIOL courses. BLOLOGY BLOLOGY Take B hours of BIOL courses. BIOLOGY B hrs BLOLOGY Take B hours of BIOL courses. B hrs B hrs B hrs B hrs B hrs B hrs CHEMMSTRY COL Take B hours of BIOL courses. B hrs CHEMMSTRY COL Take B hours of CHEM or PMYS courses* DIVISICS B hrs Calculus (1 (c1 a requires MATH 1223 or 1248 as a pre-requisite for multiple advanced courses, co CHEM 1023 as a pre-requisite for multiple advanced courses, co CHEM 1023 as a pre-requisite for multiple advanced courses, co CHEM 1023 as a pre-requisite for multiple advanced courses, co CHEM 1023 as a pre-requisite for multiple advanced courses, co CHEM 1023 as a pre-requisite for multiple advanced courses, co CHEM 1023 as a		THROUGH 2023-24 CA	TALUG YEARS
• • WLT 113, World Literature: legionings to 1550 CE • WLT 113, World Literature: 1650 CE to Present • • WLT 113, World Literature: 1650 CE to Present • With This May and Literature: 1650 CE to Present • • MALON Get to the Elementary II (103) level or higher of a foreign language: Language Options: See the catalog for complete list • • MALON Language: This may be completed by taking only the 1013 level, If the zuited this growing for consolidate (CHIN both also offer intensite for caccelarated study): • Elementary II (103) • • Elementary II (103) • Elementary II (103) BIOL 1543/1541L, Principles of Biology, is a pre-requisite for most other BIOL Casses. BIOLOGY Take 8 hours of CHEM or PHYS courses* PHYSICS Bhrs Take 8 hours of CHEM or PHYS courses* • CHEM 1103, Nuberistly Chemistry I, is a pre-requisite for GEOS 2313, is othered on a year and is a pre-requisite for GEOS 2313, is othered on a year and is a pre-requisite for GEOS 2313, is othered on a year and is a pre-requisite for GEOS 2313, is othered on a year and is a pre-requisite for GEOS 2313, is othered on a year and is a pre-requisite for GEOS 2313, is othered on a year and is a pre-requisite for GEOS 2313, which is equivalent in the first year. ADDITIONAL • Take MATH 2043, Survey of Calculus or MATH 2253, so tudents should take CHEM 1103 and ob takes a pre-requisite or higher math placement)* • CHEM 1103, Nuberisty Chemistry I, is a pre-requisite for GEOS 233, which is equivalent in the first year. ADDITIONAL • Take 8 hours of CHEM or PHYS courses* • CHEM 1103, Survey of the Universe •			
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MAIOR LANGUAGE KROUNKAGE SCIENCE COURSES Cate to the Elementary II (1013) level or higher of a foreign language: Language Options: See the catalog for complete list Language Placement: See the WLC website for a list of available discontent acoms for certain languages as well as information about credit by earn for Spanish. 3-6 hrs* This may be completed by taking only the 1013 level, if the tudent has previous fluency, but is most commonly completed by taking two classes (ARAB and CHIN bota also offer intensive formats for accelerated study): Elementary II (1013) Elementary II (1013) Elementary II (1013) BIOLOGY Take 8 hours of BIOL courses. BIOL 1543/1541L, Principles of Biology, is a pre-requisite for most other BIOL classe. CHEMISINY OR PHYSICS Take 8 hours of CHEM or PHYS courses* CHEMISINY OR PHYSICS Bhrs Take 8 hours of CHEM or PHYS courses* Calculus II (Cal 1 requires MATH 1213 or 1248 as a prerequisite or higher math placement)* ASTR 2003/2001L, Survey of Calculus or MATH 2543, Geology for Majors* GEOS 1113/111L, Physical Geology or GEOS 1154, Geology 113/111L, Physical Geology or GEOS 1154, Geology 113/111L, Physical Geology OF GEOS 1154, Geology Spring only. Pre-req: CHEM 1013 and GEOS 1133, Neterology (Fall only). Pre-req: CHEM 1013 and GEOS 1133, Survey of the Universe GEOS 1133, Neterology (Fall only). Pre-req: CHEM 1013 and GEOS 1133, Neterology (Fall only). Pre-req: GEOS 313, GEOS 3033, Introduction to Cartography (Fall only) GEOS 3133, Miterology (Spring only. Pre-req: GEOS 3131, GEOS 3033, Neterology (Fall only). Pre-req: GEOS 3131, GEOS 3033, Neterology (Fall only). Pre-req: GEOS 313			
LANGUAGE BEQUIREMENT 3-6 hrs* Ianguage: This may be completed by taking only the 1013 level, if the student has previous fluency, but is most commonly completed by taking two classes (AR& and CHIN both also offer intensive formats for accelerated study): • Elementary I (1003) Ianguage Placement: See the WLLC website for a list of available placement cannot for certain languages as well as information about credit by earn for Spanish. BIOLOGY Take 8 hours of BIOL courses. BIOL 1543/1541L, Principles of Biology, is a pre-requisite for GEOS 2313, so students should take CHEM 1103 and take in the first var, when possible about credit by earn for Spanish. ADDITIONAL NON-GEOS MATH AND SCIENCE COURSES Take 8 hours of CHEM or PHYS courses* BIOL 1543/1541L, Principles of Biology, is a pre-requisite for GEOS 2313, so students should take CHEM 1103 and take in the first var, when possible about credit placement? ADDITIONAL AND SCIENCE COURSES Take MATH 2043, Survey of Calculus or MATH 2543, Calculus I (Cal 1 requires MATH 1213 or 1284 as a prerequisite or higher mat placement? CHEM 1103, University Chemistry I, is a pre-requisite for MIDIP 2004, State 2004, State 2004, State Placement? SECOS LIBSES 7-8 hrs GEOS 1137/1311L, Physical Geology or GEOS 1154, Geolog for Majors* "GEOS 1137/1311L, physical Geology or GEOS 1154, Geolog for Majors* "GEOS 1137/1311L, physical Geology or GEOS 1154, Geolog for Majors, GEOS 3433, Miterology (Fall only) OR GEOS 4363, Mintri 2554, Student in the catalog as an option but has been apprecequisite or higher match placement? 35-36 hrs GEOS 1137/1311L, physical Geology or GEOS 1154, Geolog for Majors* "GE			
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• Elementary I (1003) confirmed with the department that this is the intended language requirement. BIOLOGY Take 8 hours of BIOL courses. BIOL 1543/1541L, Principles of Biology, is a pre-requisite for most other BIOL classes. B hrs Take 8 hours of CHEM or PHYS courses* *CHEM 1103, University Chemistry, is a pre-requisite for GEOS 2213, so students should take CHEM 1103 and one of these classes. B hrs Take 8 hours of CHEM or PHYS courses* *CHEM 1103, University Chemistry, is a pre-requisite for multiple advanced courses, so CHEM 1103 should be taken in the first year, when possible. ADDITIONAL NON-GEOS MATH Take MATH 2043, Survey of Calculus or MATH 22544, Clausus I (cal 1 requires MATH 1213 or 1284 as a prerequisite or higher math placement)* Students can verify math placement on the math department website. ADDITIONAL COURSES • GEOS 1113/1111, Physical Geology or GEOS 1154, Geology for Majors* • GEOS 1113/1111, Physical Geology or GEOS 1154, Geology for Majors* GEOS CIENCE • GEOS 1113/1111, Physical Geology or GEOS 1154, Geology (Fall only, Pre-req: CHEM 1103 and 2053 as a option but has been approved by the department to the math department offers a standing waiver of the pre-requisite but the department offers a standing waiver of the pre-requisite but the department offers a standing waiver of the pre-requisite but the department offers a standing waiver of the pre-requisite but the department offers a standing waiver of the pre-requisite but the department offers a standing waiver of the pre-requisite or DS 4033, which long (Fall only) OR GEOS 4033, Meterology (Fall only) OR GEOS 4033, Meterology (F			
elementary II (1013) requirement. BIOLOGY Take 8 hours of BIOL courses. BIOL 1543/1541L, Principles of Biology, is a pre-requisite for most other BIOL classes. B hrs Take 8 hours of CHEM or PHYS courses* *CHEM 1103, University Chemistry I, is a pre-requisite for GEOS 2313, is offered once a year and is a pre-requisite for multiple advanced courses, so CHEM 1103 should be taken in the first year, when possible. ADDITIONAL AND GEOS MATH AND SCIENCE • Take MATH 2043, Survey of Calculus or MATH 2554, CALCULUS I (Cal 1 requires MATH 1213 or 1284 as a pre-requisite or higher math placement)* • ASTR 2003/2001L, Survey of the Universe 7-8 hrs • GEOS S113/1111L, Physical Geology or GEOS 1154, Geology for Majors* • GEOS 1113/1111L, Physical Geology or GEOS 1154, Geology for Majors* • GEOS 1113/1111L, Physical Geology or GEOS 1154, Geology for Majors* • GEOS 1131/111L, Physical Ferequire CHEM 1103 and GEOS 1113] • GEOS 3113/111L, Physical Geology or GEOS 1154, Geology for Majors* • GEOS 3113/111L, Physical Geology or GEOS 1154, Geology for Majors* • GEOS 3113/111L, Physical Geology (Fall only) • GEOS 3113/11L, Physical Geology (Fall only) • GEOS 313, Miteorology (Fall only), OR GEOS 4363, Climatology (Spring only) • GEOS 313, Meteorology (Fall only), OR GEOS 4363, Climatology (Spring only) • GEOS 4331, Sedimentary Geology (Spring only, Pre-req: GEOS 4033, hasta GEOS 3514 and rether GEOS 423, 433) *** • ***The catalog lists only GEOS 424, but the department offers a standing substitution to count GEOS 4633 for students on twishing a restanding substitution to count GEOS 4633 for			
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8 hrs other BIOL classes. CHEMISTRY OR PHYSICS Take 8 hours of CHEM or PHYS courses* *CHEM 1103, University Chemistry I, is a pre-requisite for GEOS 2313, so students should take CHEM 1103 as one of these classes. GEOS 2313 is offered once year and is a pre-requisite for multiple advanced courses, so CHEM 1103 should be taken in the first year, when possible. ADDITIONAL NON-GEOS MATH AND SCIENCE COURSES • Take MATH 2043, Survey of Calculus or MATH 2554, Calculus I (cal 1 requires MATH 1213 or 1284 as a prerequisite or higher math placement)* • ASTR 2003/2001L, Survey of the Universe 7-8 hrs • GEOS 1113/1111L, Physical Geology or GEOS 1154, Geology for Majors* • GEOS 1113/1111L, Physical Geology or GEOS 1154, GeOs 233, Minerology (Fall only). Pre-req: GEOS 1133, Mieroology (Fall only) • GEOS 1154 is not listed in the catalog as an option but has been approved by the department to count here via a standing substitution while they work to add it to a future catalog. 35-36 hrs • GEOS 313, Sedimentary Geology (Spring only, Pre-req: GEOS 2313), Miteroology (Fall only) • GEOS 1154 is not listed in the catalog as an option but has been approved by the department to count here via a standing substitution while they work to add it to a future catalog. 35-36 hrs • GEOS 313, Meteorology (Fall only) • GEOS 3433, Sedimentary Geology (Spring only, Pre-req: GEOS 3413, GEOS 3514 and either GEOS 4223 or 4333)*** • GEOS 4033, hydrology (Spring only, Pre-req: GEOS 3413, GEOS 3514 and either GEOS 4223 or 4333)*** • G hrs GEOS 3514 and either GEOS 4223 or 4333)*** • G hrs GEOS 3514 and either GEOS 4223 or 4333)*** • G hrs GEOS 3514 and either GEOS 42		Elementary II (1013)	requirement.
8 hrs other BIOL classes. CHEMISTRY OR PHYSICS Take 8 hours of CHEM or PHYS courses* *CHEM 1103, University Chemistry I, is a pre-requisite for GEOS 2313, so students should take CHEM 1103 as one of these classes. GEOS 2313 is offered once year and is a pre-requisite for multiple advanced courses, so CHEM 1103 should be taken in the first year, when possible. ADDITIONAL NON-GEOS MATH AND SCIENCE COURSES • Take MATH 2043, Survey of Calculus or MATH 2554, Calculus I (cal 1 requires MATH 1213 or 1284 as a prerequisite or higher math placement)* • ASTR 2003/2001L, Survey of the Universe 7-8 hrs • GEOS 1113/1111L, Physical Geology or GEOS 1154, Geology for Majors* • GEOS 1113/1111L, Physical Geology or GEOS 1154, GeOS 233, Minerology (Fall only). Pre-req: GEOS 1133, Meteorology (Fall only) • GEOS 1134 in ord listed in the catalog as an option but has been approved by the department to count here via a standing substitution while they work to add it to a future catalog. 35-36 hrs • GEOS 313, Sedimentary Geology (Spring only, Pre-req: GEOS 333, Sedimentary Geology (Spring only, Pre-req: GEOS 3313, Sedimentary Geology (Spring only, Pre-req: GEOS 3313, GEOS 3314, and either GEOS 4232 or 4333)*** • **The catalog lists only GEOS 4924, but the department of of GEOS 3433, Sedimentary Geology (Spring only, Pre-req: GEOS 4033, hydrology (Spring only, Pre-req: GEOS 4033, hydrology (Spring only, Pre-req: GEOS 3413, GEOS 3514 and either GEOS 4223 or 4333)*** ***The catalog lists only GEOS 4924, but the department offers a standing substitution to count GEOS 4693 for students not wishing to take the additional GEOS 9re-requisites needed for GEOS 4924.			
8 hrs CHEMISTRY OR PHYSICS Take 8 hours of CHEM or PHYS courses* CHEM 1103, University Chemistry I, is a pre-requisite for GEOS 2313, so students should take CHEM 1103 as one of these classes. GEOS 2313 is offered once a year and is a pre-requisite for multiple advanced courses, so CHEM 1103 should be taken in the first year, when possible. ADDITIONAL NOR-GEOS MATH AND SCIENCE COURSES • Take MATH 2043, Survey of Calculus or MATH 2554, Calculus I (Cal I requires MATH 1213 or 1284 as a prerequisite or higher math placement)* • Students can verify math placement on the math department website. AND SCIENCE COURSES • GEOS 1113/1111, Physical Geology or GEOS 1154, Geology for Majors* Students can also take MATH 2483, which is equivalent to MATH 2554. 35-36 hrs • GEOS 1113/1111, Physical Geology or GEOS 1154, GEOS 3033, Interology (Fall only) Pre-req: CHEM 1103 and GEOS 1113) • GEOS 3033, Interology (Fall only) • GEOS 3032, Introduction to Cartography (Fall only) • GEOS 3033, Interology (Fall only) OR GEOS 4363, Climatology (Spring only. Pre-req: GEOS 313) • ** GEOS 4033 has a GEOS 3514 pre-requisite but the department of GEOS 3413, Sedimentary Geology Spring only. Pre-req: GEOS 3413, GEOS 3043, Hydrology (Spring only. Pre-req: GEOS 3413, GEOS 3043, Hydrology (Spring only. Pre-req: Students just need to contact the instructor directly to request enrollment. • GEOS 4033, Hydrology (Spring only. Pre-req: GEOS 3413, GEOS 3414 and either GEOS 4223 or 4333)*** • 6 hrs GEOS 3004 electives **** •***The catalog lists only GEOS 4924, but the department offers a standing substitution to count GEOS 4693 for students not wishing to take the additional GEOS	BIOLOGY	Take 8 hours of BIOL courses.	
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PHYSICS 2313, so students should take CHEM 1103 as one of these classes. B hrs ADDITIONAL MON-GEOS MATH ADDITIONAL AND SCIENCE COURSES - Take MATH 2043, Survey of Calculus or MATH 2554, Calculus I (Cal 1 requires MATH 1213 or 1284 as a prerequisite or higher math placement)* - ASTR 2003/2001L, Survey of the Universe 7-8 hrs - ASTR 2003/2001L, Survey of the Universe - The catalog also lists MATH 2183 and 2053 as options, but GEOS 4033, which is required in the major, requires either MATH 2043 or 2554. GEOSCIENCE COURSES - GEOS 1113/1111L, Physical Geology or GEOS 1154, Geology for Majors* - GEOS 1133/1131L, Earth Science - GEOS 3023, Juntroduction to Cartography (Fall only) - GEOS 3023, Sustaining Earth (Fall only) - GEOS 3023, Sustaining Earth (Fall only) - GEOS 3023, Sustaining Earth (Fall only) - GEOS 3023, Sustaining Earth (Fall only) - GEOS 3023, Sustaining Earth (Fall only) - GEOS 3023, Sustaining Earth (Fall only) - GEOS 3023, Sustaining Earth (Fall only) - GEOS 3023, Sustaining Earth (Fall only) - GEOS 3023, Sedimentary Geology (Spring only). Pre-req: GEOS 3213) - GEOS 4033, Hardology (Spring only). Pre-req: GEOS 3213, GEOS 3514 and either GEOS 4223 or 4333)*** - GEOS 4033, Hidrology (Spring only). Pre-req: GEOS 3213, GEOS 3514 and either GEOS 4223 or 4333)*** - Hours will vary depending on math placement, language placement, and whether a student is exempt from ENGL 1013 and 1023. Some general electives may need to be uppe		Take 8 hours of CHEM or PHYS courses*	*CHEM 1103. University Chemistry L is a pre-requisite for GEOS
8 hrs advanced courses, so CHEM 1103 should be taken in the first year, when possible. ADDITIONAL NON-GOS MATH AND SCIENCE COURSES • Take MATH 2043, Survey of Calculus or MATH 2554, Calculus I (Cal 1 requires MATH 1213 or 1284 as a prerequisite or higher math placement)* • Students can werkly math placement on the math department website. • ASTR 2003/2001L, Survey of the Universe • ASTR 2003/2001L, Survey of the Universe * The catalog also lists MATH 2183 and 2053 as options, but GEOS 4033, which is required in the major, requires either MATH 2043 or 2554. Students can also take MATH 2445, which is equivalent to MATH 2554. GEOSCIENCE COURSES • GEOS 1131/111L, Physical Geology or GEOS 1154, Geology for Majors* • GEOS 1133/1131, Earth Science · GEOS 3033, Minerology (Fall only. Pre-req: CHEM 1103 and GEOS 3023, Introduction to Cartography (Fall only) • GEOS 4033, Minerology (Fall only) OR GEOS 4363, Climatology (Spring only) *** GEOS 4033 has a GEOS 3514 pre-requisite but the department offers a standing waiver of the pre-requisite for ERSCBS majors. Students just need to contact the instructor directly to request enrollment. • GEOS 4033, Hydrology (Spring only. Pre-req: GEOS 4033, Hydrology (Spring only. Pre-req: GEOS 4033, Hydrology (Spring only. Pre-req: GEOS 3413, Section 314, and either GEOS 4223 or 4333)*** • Ghres Students 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 Graduation Checklist on page 2 for more information.			
ADDITIONAL Image: constraint of the pre-requisite or higher math placement, and whether a students can perform ENGL 001855 Students can verify math placement on the math department website. ADD SCIENCE COURSES - ASTR 2003/2001L, Survey of the Universe Students can verify math placement, on the math department website. ABD TOWESS - ASTR 2003/2001L, Survey of the Universe Students can also take MATH 2133 or 1284 as a prerequisite or higher math placement)* - ASTR 2003/2001L, Survey of the Universe 7-8 hrs - GEOS 113/1111L, Physical Geology or GEOS 1154, Geology for Majors* - GEOS 113/1111L, Physical Geology or GEOS 1154, Geology or GEOS 1134, 1311L, Earth Science - GEOS 113/1111L, Physical Geology or GEOS 1154, Geology (Fall only). Pre-req: CHEM 1103 and GEOS 1133, Introduction to Cartography (Fall only) - GEOS 3023, Introduction to Cartography (Fall only) - GEOS 4033, hight or a future catalog. ** GEOS 4033 has a GEOS 3514 pre-requisite but the department offers a studing waiver of the pre-requisite for ERSCBS majors. Students just need to contact the instructor directly to request enrollment. . GEOS 4033, hight or log (Spring only. Pre-req: GEOS 3413, Geolog 314, GEOS 314 and either GEOS 4223 or 4333)*** - ** The catalog lists only GEOS 4924, but the department offers a student is exempt from ENGL 1013 and 1023. . GENERAL Hours will vary depending on math placement, language placement, 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.<			GEOS 2313 is offered once a year and is a pre-requisite for multiple
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NON-GEOS MATH AND SCIENCE COURSES Calculus I (Cal 1 requires MATH 1213 or 1284 as a prerequisite or higher math placement)* website. ASTR 2003/2001L, Survey of the Universe *The catalog also lists MATH 2183 and 2053 as options, but GEOS 4033, which is required in the major, requires either MATH 2043 or 2554. Students can also take MATH 2445, which is equivalent to MATH 255A. GEOSCIENCE COURSES • GEOS 1113/1111L, Physical Geology or GEOS 1154, Geology for Majors* *GEOS 1133/111L, Earth Science • GEOS 1133/1131L, Earth Science • GEOS 3043, Minerology (Fall only, Pre-req: CHEM 1103 and GEOS 1113) *GEOS 3043, Sustaining Earth (Fall only) • GEOS 3023, Introduction to Cartography (Fall only) • GEOS 4033, Miteorology (Spring only, Pre-req: GEOS 2313, *** GEOS 4033 has a GEOS 3514 pre-requisite but the department offers a standing waiver of the pre-requisite for ERSCBS majors. Students just need to contact the instructor directly to request enrollment. • GEOS 4033, Hydrology (Spring only, Pre-req: GEOS 4033, Hydrology (Spring only, Pre-req: GEOS 3413, GEOS 3514 and either GEOS 4232 or 4333)*** ***The catalog lists only GEOS 4924, but the department offers a standing substitution to count GEOS 4934, but the department offers a standing substitution to GEOS 4934, GEOS 3434, GEOS 3434, GEOS 3434, GEOS 3434, GEOS 3434, GEOS 3434, GEOS 3443, GEO		Take MATH 2042 Survey of Coloulus or MATH 2004	
AND SCIENCE COURSES Clarchis T(Call Tread) is the Third of Transformation of the pre-requisite or higher math placement)* ** AND SCIENCE COURSES • GEOS 1113/1111L, Physical Geology or GEOS 1154, Geology for Majors* ** ** • GEOS 1113/111L, Physical Geology or GEOS 1154, Geology for Majors* * **CEOS 1154 is not listed in the catalog as an option but has been approved by the department to count here via a standing substitution while they work to add it to a future catalog. 35-36 hrs • GEOS 3023, Introduction to Cartography (Fall only) ** GEOS 4033 has a GEOS 3514 pre-requisite but the department offers a standing waiver of the pre-requisite for ERSCBS majors. Students just need to contact the instructor directly to request enrollment. • GEOS 4033, Hydrology (Spring only. Pre-req: GEOS 3033, Hydrology (Spring only. Pre-req: MATH 2043 or 2554c)** ***The catalog lists only GEOS 4924, but the department offers a standing substitution to count GEOS 4924, but the department offers a standing substitution to count GEOS 4924, but the department offers a standing substitution to count GEOS 4924, but the department offers a standing substitution to count GEOS 4924, but the department offers a standing substitution to count GEOS 4924, but the department offers a standing substitution of Science, as one of these electives since this field is experiencing large care growth. GENERAL ELECTIVES Hours will vary depending on math placement, language placement, and whether a student is exempt from ENGL 101 and 1023. Some general electives may need to be upper level to meet college and university residency requirements. See <u>Graduation</u> checklist on page 2 for			
COURSES• ASTR 2003/2001L, Survey of the Universe**The catalog also lists MATH 2183 and 2053 as options, but GEOS 4033, which is required in the major, requires either MATH 2043 or 2554. Students can also take MATH 2445, which is equivalent to MATH 2554. GEOS CIENCE COURSES• GEOS 1113/1111L, Physical Geology or GEOS 1154, Geology for Majors* • GEOS 1133/1131L, Earth Science • GEOS 1133/1131L, Earth Science • GEOS 2013, Minerology (Fall only. Pre-req: CHEM 1103 and GEOS 3023, Introduction to Cartography (Fall only) • GEOS 3024, Sustaining Earth (Fall only) • GEOS 3023, Sustaining Earth (Fall only) • GEOS 3023, Introduction to Cartography (Fall only) • GEOS 3023, Sustaining Earth (Fall only) • GEOS 3023, Introduction to Cartography (Fall only) • GEOS 3023, Sustaining Earth (Fall only) • GEOS 3023, Sustaining Earth (Fall only) • GEOS 3023, Hydrology (Spring only. Pre-req: · GEOS 4033, Hydrology (Spring only. Pre-req: · GEOS 3043, Sustain de ther GEOS 4223 or 4333)*** · 6 hrs GEOS 300+ electives *******The catalog lists only GEOS 4924, but the department offers a · standing substitution to count GEOS 4693 for students not wishing to take the additional GEOS pre-requisites needed for GEOS 4924. ·***The department highly recommends GEOS 3543, Geospatial Applications and Information Science, as one of these electives ·***The department highly residency requirements. See Graduation ·***The dela university residency requirements. See Graduation ·****The college and university residency requirements. See Graduation ·************************************			
7-8 hrs4033, which is required in the major, requires either MAIH 2043 or 2544. Students can also take MATH 2445, which is equivalent to MATH 2554.GEOS CIENCE COURSES• GEOS 1113/1111L, Physical Geology or GEOS 1154, Geology for Majors* • GEOS 1133/1131L, Earth Science • GEOS 2313, Minerology (Fall only. Pre-req: CHEM 1103 and GEOS 1113) • GEOS 3023, Introduction to Cartography (Fall only) • GEOS 3023, Introduction to Cartography (Fall only) • GEOS 3033, Micerology (Spring only. Pre-req: · GEOS 3033, Hydrology (Spring only. Pre-req: · GEOS 3033, GEOS 3514 and either GEOS 4223 or 4333)*** · 6 hrs GEOS 3000+ electives *******The catalog lists only GEOS 4924, but the department offers a standing substitution to count GEOS 4693 for students not wishing to take the additional GEOS 7 pre-requisites needed for GEOS 4924. ***The department highly recommends GEOS 343, Geospatial Applications and Information Science, as one of these electives since this field is experiencing large career growth.GENERAL ELECTIVES Z6-41Hours will vary depending on math placement, language placement, 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 Graduation Checklist on page 2 for more information.	COURSES		5
GEOSCIENCE COURSES• GEOS 1113/1111, Physical Geology or GEOS 1154, Geology for Majors* • GEOS 1133/1111, Earth Science • GEOS 2313, Minerology (Fall only. Pre-req: CHEM 1103 and GEOS 1113) • GEOS 3023, Introduction to Cartography (Fall only) • GEOS 3023, Introduction to Cartography (Fall only) • GEOS 3033, Sustaining Earth (Fall only) • GEOS 3043, Sustaining Earth (Fall only) • GEOS 3413, Sedimentary Geology (Spring only. Pre-req: GEOS 2313)** GEOS 4033 has a GEOS 3514 pre-requisite but the department offers a standing waiver of the pre-requisite for ERSCBS majors. Students just need to contact the instructor directly to request enrollment.GEOS 4033, Hydrology (Spring only. Pre-req: GEOS 2313)• GEOS 4033, Hydrology (Spring only. Pre-req: GEOS 4033, Hydrology (Spring only. Pre-req: GEOS 4033, Hydrology (Spring only. Pre-req: GEOS 3413, GEOS 3514 and either GEOS 4223 or 4333)*** • 6 hrs GEOS 3000+ electives ********The catalog lists only GEOS 4924, but the department offers a standing substitution to count GEOS 3543, Geospatial Applications and Information Science, as one of these electives since this field is experiencing large career growth.GENERAL ELECTIVES 26-41Hours will vary depending on math placement, language placement, 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 Graduation checklist on page 2 for more information.	7.0 huo		
GEOSCIENCE COURSES • GEOS 1113/1111L, Physical Geology or GEOS 1154, Geology for Majors* • GEOS 1133/1131L, Earth Science * GEOS 1133/1131L, Earth Science 35-36 hrs • GEOS 2313, Minerology (Fall only, Pre-req: CHEM 1103 and GEOS 1113) • GEOS 3023, Introduction to Cartography (Fall only) * GEOS 4023, Introduction to Cartography (Fall only) • GEOS 3023, Introduction to Cartography (Fall only) • GEOS 3043, Sustaining Earth (Fall only) ** GEOS 4033 has a GEOS 3514 pre-requisite but the department offers a standing waiver of the pre-requisite for ERSCBS majors. Climatology (Spring only) • GEOS 3413, Sedimentary Geology (Spring only. Pre-req: GEOS 2313) • GEOS 4033, Hydrology (Spring only. Pre-req: GEOS 2313) *** The catalog lists only GEOS 4924, but the department offers a standing substitution to count GEOS 4934, but the department offers a standing substitution to count GEOS 4934 for students not wishing to take the additional GEOS pre-requisites needed for GEOS 3424. • GEOS 3113, GEOS 3514 and either GEOS 4223 or 4333)*** • 6 hrs GEOS 3000+ electives **** ***The catalog lists only GEOS 4924, but the department offers a standing substitution to count GEOS 4593 for students not wishing to take the additional GEOS pre-requisites needed for GEOS 3434, GEOS 3543, Geospatial Applications and Information Science, as one of these electives since this field is experiencing large career growth. GENERAL ELECTIVES Hours will vary depending on math placement, language placement, 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 residenc	7-01115		
35-36 hrs• GEOS 1133/1131L, Earth Science • GEOS 2313, Minerology (Fall only. Pre-req: CHEM 1103 and GEOS 1113) • GEOS 3023, Introduction to Cartography (Fall only) • GEOS 3043, Sustaining Earth (Fall only) • GEOS 4353, Meteorology (Fall only) OR GEOS 4363, Climatology (Spring only) • GEOS 4033, Hydrology (Spring only. Pre-req: GEOS 3413, Sedimentary Geology (Spring only. Pre-req: GEOS 3413, Sedimentary Geology (Spring only. Pre-req: GEOS 4033, Hydrology (Spring only. Pre-req: MATH 2043 or 2554c)** • GEOS 4693, Environmental Justice (Spring Only) OR GEOS 4924, Earth System History (Spring only. Pre-req: GEOS 3413, GEOS 3514 and either GEOS 4223 or 4333)*** • 6 hrs GEOS 3000+ electives ****substitution while they work to add it to a future catalog.GENERAL ELECTIVES CENERAL ELECTIVESHours will vary depending on math placement, language placement, and whether a student is exempt from ENGL 1013 and 1023.substitution while they work to add it to a future catalog.WIRITINGThe college writing requirement may be satisfied in one of twoSome general electives may need to be upper level to meet college and university residency requirements. See Graduation Checklist on page 2 for more information.	GEOSCIENCE	GEOS 1113/1111L, Physical Geology or GEOS 1154,	
35-36 hrs• GEOS 2313, Minerology (Fall only. Pre-req: CHEM 1103 and GEOS 1113)35-36 hrs• GEOS 2313, Minerology (Fall only. Pre-req: CHEM 1103 and GEOS 3023, Introduction to Cartography (Fall only) • GEOS 3043, Sustaining Earth (Fall only) • GEOS 4353, Meteorology (Fall only) OR GEOS 4363, Climatology (Spring only)*** GEOS 4033 has a GEOS 3514 pre-requisite but the department offers a standing waiver of the pre-requisite for ERSCBS majors. Students just need to contact the instructor directly to request enrollment.• GEOS 4033, Hydrology (Spring only) • GEOS 4033, Hydrology (Spring only. Pre-req: GEOS 2313)*** The catalog lists only GEOS 4924, but the department offers a standing substitution to count GEOS 4693 for students not wishing to take the additional GEOS pre-requisites needed for GEOS 4924. **** The department highly recommends GEOS 3543, Geospatial Applications and Information Science, as one of these electives since this field is experiencing large career growth.GENERAL ELECTIVES 26-41Hours will vary depending on math placement, language placement, 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 Graduation Checklist on page 2 for more information.	COURSES	Geology for Majors*	
33-36 hrsand GEOS 1113)and GEOS 1113)GEOS 3023, Introduction to Cartography (Fall only)GEOS 3023, Introduction to Cartography (Fall only)GEOS 3043, Sustaining Earth (Fall only)GEOS 4353, Meteorology (Fall only) OR GEOS 4363, Climatology (Spring only)GEOS 4353, Meteorology (Spring only)GEOS 3413, Sedimentary Geology (Spring only. Pre-req: GEOS 2313)GEOS 4033, Hydrology (Spring only. Pre-req: GEOS 4033, Hydrology (Spring only. Pre-req: GEOS 4033, Environmental Justice (Spring Only) OR GEOS 4924, Earth System History (Spring only. Pre-req: GEOS 3413, GEOS 3514 and either GEOS 4223 or 4333)*** • 6 hrs GEOS 3000+ electives ****GENERAL ELECTIVESHours will vary depending on math placement, language placement, and whether a student is exempt from ENGL 1013 and 1023.MITINGThe college writing requirement may be satisfied in one of two		GEOS 1133/1131L, Earth Science	substitution while they work to add it to a future catalog.
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	 completion of a term paper deemed satisfactory by the 	
	student's adviser and instructor of an upper-level	
	geoscience course documented using the writing	
	requirement declaration form.	
	Successful honors thesis defense	
HONORS	Minimum Requirements for Honors:	Honors Thesis Timeline: Honors students should consistently
	 Maintain cumulative grade point average of 3.5 in all 	check the honors thesis timeline to stay on track to complete your
	coursework.	honors thesis.
	• Complete a minimum of 12 hours of honors courses from the UofA.	
	Complete and defend Honors Thesis	College Honors: Students who also are following the College
		Honors Core for Bachelor of Science programs need to also
		complete those additional requirements:
		2023-24 catalog requirements
		2022-23 and older catalog requirements