Last Updated: July 25, 2023

#### **GEOLBS-GEPH Degree Snapshot**

<u>University Perspectives</u> (0-1 hr)	
UNIV 1001, University Perspectives or exemption	Physics Foundations (12 hrs)
	PHYS 2054, University Physics I
State Core English Composition (0-6 hrs)	PHYS 2074, University Physics II
ENGL 1013, Composition 1 or exemption	PHYS 2094, University Physics III
<b>ENGL 1023</b> , Composition 2 or exemption	
	Geophysics courses (45 hrs)
State Core US History or Government (3 hrs)	GEOS 1113/1111L, Physical Geology or GEOS 1154
US HIST/PLSC	Geology for Majors
	<b>GEOS 2313,</b> Mineralogy
State Core Mathematics (0-3 hrs)	<b> GEOS 4053,</b> Geomorphology
MATH	<b>GEOS 3413,</b> Sedimentary Geology
	<b>GEOS 3514,</b> Structural Geology
State Core Natural Sciences w/ labs (0 hrs)	<b>GEOS 4223,</b> Stratigraphy and Sedimentation
Met with courses in major.	GEOS 4433, Geophysics
	GEOS 4924, Earth System History
State Core Social Sciences (9 hrs)	GEOS 4686, Geology Field Camp
Social Science	PHYS 3113, Analytical Mechanics
Social Science	PHYS 3453, Electromagnetic Theory I
Social Science	PHYS 3613, Modern Physics
State Core Fine Arts (3 hrs)	PHYS 4073, Introduction to Quantum Mechanics
Fine Art	PHYS 4991, Physics Senior Seminar
	Canadal Flortings (4.35 hus)
State Core Humanities (3 hrs)	General Electives (4-25 hrs)  How you use these hours will depend on your educational and career goals
Humanities	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.
Mathematics for Major (16-20 hrs)	to track which classes you've taken outside the above requirements.
MATH 1284c, Pre-Calculus OR MATH 1213, Plane	
Trigonometry (or math placement)	
MATH 2554c, Calculus I (Required)	
MATH 2564c, Calculus II (Required) MATH 2574c, Calculus III (Required)	
MATH 2574C, Calculus in (Negatirea) MATH 2584, Elementary Differential Equations	
(Required)	
Chemistry (8 hrs)	
CHEM 1103/1101L, University Chemistry I	
CHEM 1123/1121L, University Chemistry II	

### **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 <sup>st</sup> year credit hours (aim for 30):
Year 2				Total 2 <sup>nd</sup> year credit hours (aim for 60):
Year 3				Total 3 <sup>rd</sup> year credit hours (aim for 90):
Year 4				Total 4 <sup>th</sup> 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		of Arts and Sciences classes Arkansas. This can include courses taken for the 24-h equisite. Can include transfer credit.) This can includ		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)

Faculty who have exception/substitution authority: Jason Tullis, John Shaw, and Glenn Sharman

<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.

<u>Field Camp</u>: The Geology BS is a major that has a required summer field camp between Junior and Senior year. This has not been offered every summer in the last few years. If students have had difficulty taking field camp, they should consult with the department for an appropriate substitution.

<u>Course Sequencing:</u> The Geology BS is a pre-requisite heavy major, with many classes offered only once a year. Creating a careful multi-semester plan is encouraged early in the major.

Please visit <a href="https://catalog.uark.edu/undergraduatecatalog">https://catalog.uark.edu/undergraduatecatalog</a> for an extensive list of core, major, graduation, and prerequisite requirements. To read more about individual classes, visit the <a href="courses of instruction">courses of instruction</a> 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		,
		<b>Note</b> : 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	
	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.
2 1	Present	
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 (or <u>placement</u> into higher	need to enroll in additional remediation related courses. See
0-3 hrs	math for major)	<u>catalog</u> or <u>math placement</u> website for additional information.
0-3 1113		
STATE CORE	Met with sciences in major.	
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.
	AGEC 2103, Principles of Agriculture Macroeconomics	Social Sciences category.
9 hrs	ANTH 1023, Intro to Cultural Anthropology	*Some courses may appear as options in multiple areas of the
		State Core. You can only count each course 1 time in the State Core
	, and the second	and will need unique courses in each of the content areas below.
	ECON 2013, Principles of Macroeconomics	and will need drillque 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- 1000 (honors ank)	
	1900 (honors only)	
	INST/PLSC 2813, Intro to International Relations & Global	
	Studies	

	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 2023, Social Broblems	
	<ul> <li>SOCI 2033, Social Problems</li> <li>STEM 2003, The Art of STEM Communication</li> </ul>	
STATE CORE FINE	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	
	<ul> <li>MLIT 1003, Experiencing Music</li> <li>MLIT 1013, Music and Society (music majors only)</li> </ul>	
	MLIT 1333, Popular Music     THIR 1003, Therefore Appropriation	
	THTR 1003, Theatre Appreciation  THTR 1003 Maried Theatre Appreciation	
	THTR 1013, Musical Theatre Appreciation     THTR 1693, Acting I	
	<ul> <li>THTR 1683, Acting I</li> <li>THTR 1883, Acting 1 for Theatre majors</li> </ul>	
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 1003, introduction to classical studies: Greece     CLST 1013, Introduction to Classical Studies: Rome	
	COMM 1233, Media, Community and Citizenship	
	DANC 1003, Dance Appreciation	
	DANC 1003, Dance Appreciation     DASC 2133, Data Privacy & Ethics	
	ENGL 1213, Introduction to Literature	
	, in the second	
	ENGL 2023, Creative Writing I     CNST 2003, Introduction to Condex Studies	
	GNST 2003, Introduction to Gender Studies  - UIST 1113, Institutions and Ideas of World Civilinations I	
	HIST 1113, Institutions and Ideas of World Civilizations I	
	HIST 1123, Institutions and Ideas of World Civilizations II	
	<ul> <li>HIST 2003, History of the American People to 1877</li> <li>HIST 2013, History of the American People 1877 to</li> </ul>	
	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     DHII 2003, Introduction to Philosophy	
	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	
MATHEMATICS	2000 level     MATH 1284c, Pre-Calculus OR MATH 1213, Plane	Students must earn a C in math courses for them to serve as pre-
MATHEMATICS	Trigonometry (or math placement in to Calculus 1)	requisites.
16-20 hrs	MATH 2554c, Calculus I (Required. pre-reg: MATH 1284c,	requisitesi
	1213, or math placement)*	*MATH 2445, Calculus I with Review, can also count here.
	MATH 2564c, Calculus II (Required. pre-req: MATH	The contract of the contract o
	2554c)	
	MATH 2574c, Calculus III (pre-req: MATH 2564c)	
	MATH 2584, Elementary Differential Equations (Pre-req:     MATH 2564)	
CHEMISTRY	MATH 2564c)     CHEM 1103/1101L, University Chemistry I (Pre-req:	Chemistry 1 should be taken as early as possible since it is a pre-
CHEWIISTRI	MATH 1203 or higher or see course description for math	requisite for GEOS 2313.
8 hrs	placement)	requisite for GEOS 2515.
	CHEM 1123/1121L, University Chemistry II (Pre-req:	CHEM 1203/1201L and CHEM 1223/1221L, chemistry for majors I
	CHEM 1103 and MATH 1203 or higher or see course	and II can also automatically substitute here.
DINCICC	description for math placement)	,
PHYSICS FOUNDATIONS	<ul> <li>PHYS 2054, University Physics I (Pre-req: MATH 2554c)</li> <li>PHYS 2074, University Physics II (Pre-req: PHYS 2054 and</li> </ul>	
100110110110	MATH 2564c)	
12 hrs	PHYS 2094, University Physics III (Pre-req: PHYS 2074. Co-	
	Req: MATH 2574)	
GEOPHYSICS	GEOS 1113/1111L, Physical Geology or GEOS 1154,	*GEOS 1154 is not listed in the catalog as an option but has been
COURSES	Geology for Majors	approved by the department to count here via a standing
45 hrs	GEOS 2313, Mineralogy (Fall only. Pre-req: CHEM 1103	substitution while they work to add it to a future catalog.
45 1115	and GEOS 1113)**	
	GEOS 4053, Geomorphology (Spring only. Pre-req: GEOS	**Students should plan to take GEOS 2313 as early as possible as it
	3873)***	is a prerequisite for multiple other GEOS courses.
	GEOS 3413, Sedimentary Geology (Spring only. Pre-req:     CEOS 3313)	***GEOS 4053 is not listed as a requirement in 2022 and older
	GEOS 2513)	catalogs, but it is a standing substitution for GEOS 3383, which is
	GEOS 3514, Structural Geology (Spring only. Pre-req: GEOS 1113)	was listed as a requirement but is not taught anymore. GEOS 4053
	• <b>GEOS 4223,</b> Stratigraphy and Sedimentation (Fall only.	also has an additional pre-requisite, so students will need to take
	Pre-req: GEOS 3413)	GEOS 3873 as well.
	GEOS 4433, Geophysics (Irregular. Pre-req: MATH 2564c	
	and PHYS 2033/2031L and GEOS 3514)	Honors students will also have some additional required courses.
	GEOS 4924, Earth System History (Spring only. Pre-req:	
	GEOS 3413, GEOS 3514 and either GEOS 4223 or 3313)	
	GEOS 4686, Geology Field Camp (Summer only. Pre-req:	
	GEOS 3413 and GEOS 3514)	
	PHYS 3113, Analytical Mechanics (Fall only. Co- or pre-	
	req: MATH 2584)	
	PHYS 3453, Electromagnetic Theory I (Spring only. Co- or	
	pre-req: MATH 2584. Pre-req: MATH 2574 and PHYS	
	2074)	
	PHYS 3613, Modern Physics (Pre-req: PHYS 2074)  PHYS 4073, Industrian to Country Machanica (Fall)  PHYS 4073, Industrian to Country Machanica (Fall)	
	PHYS 4073, Introduction to Quantum Mechanics (Fall and MATH 2574 and MATH 2574)	
	only. Pre-req: PHYS 3613, MATH 2574, and MATH 2584)	
OFNISS AT	PHYS 4991, Physics Senior Seminar	
GENERAL ELECTIVES	Hours will vary depending on math placement, language placement, and whether a student is exempt from ENGL 1013	Some general electives may need to be upper level to meet college and university residency requirements. See <u>Graduation</u>
LLLCTIVES	and 1023.	Checklist on page 2 for more information.
	1	

4-25 hrs		
WRITING	The college writing requirement may be satisfied in one of two	
REQUIREMENT	ways:	
	<ul> <li>Completion of a writing assignment in a GEOS 3000+</li> </ul>	
	course documented using the writing requirement	
	declaration form.	
	Successful honors thesis defense	
<b>HONORS</b>	Minimum Requirements for Honors:	Honors Thesis Timeline: Honors students should consistently
	<ul> <li>Maintain cumulative grade point average of 3.5 in all</li> </ul>	check the honors thesis timeline to stay on track to complete your
	coursework (and a GEOS GPA of at least 3.3).	honors thesis.
	<ul> <li>Complete a minimum of 12 hours of honors courses</li> </ul>	
	from the UofA (including GEOS 3901, GEOS 3911,	
	GEOS 4972H, and GEOS 4982H).	College Honors: Students who also are following the College
	Complete and defend Honors Thesis	Honors Core for Bachelor of Science programs need to also
	·	complete those additional requirements:
		<ul> <li>2023-24 catalog requirements</li> </ul>
	See Catalog for full description of requirements.	<ul> <li>2022-23 and older catalog requirements</li> </ul>