

MAJOR MAP FOR BACHELOR OF ARTS IN GEOGRAPHY CONCENTRATION IN CARTOGRAPHY/REMOTE SENSING GIS (GEOGBA-CTRS) 2015-16 THROUGH 2024-25

Name: _____ ID Number: _____ Date: _____ Anticipated Graduation Semester: _____

GEOGBA-CTRS Degree Snapshot

University Perspectives (0-1 hr)

_____ UNIV 10051, University Perspectives or exemption

State Core English Composition (0-6 hrs)

_____ ENGL 10103, Composition 1 or exemption

_____ ENGL 10203, Composition 2 or exemption

State Core US History or Government (3 hrs)

_____ US HIST/PLSC _____

State Core Mathematics (3 hrs)

_____ MATH _____

State Core Natural Sciences w/ labs (8 hrs)

_____ GEOL 11103/11101, Physical Geology or GEOS 11504, Geology for Majors (required in major)

_____ GEOL 11203/11201, Earth Science (required in major)

State Core Social Sciences (9 hrs)

_____ GEOG 11103, Human Geography (required in major)

_____ GEOG 21003, World Regional Geography (required in major)

_____ Social Science _____

State Core Fine Arts (3 hrs)

_____ Fine Art _____

State Core Humanities (3 hrs)

_____ Humanities _____

Major World Language to 10203 level (3-6 hrs)

_____ Language _____ 10103 (or fluency)

_____ Language _____ 10203 (or higher required)

Geography Courses (30 hrs, in addition to those listed in the state core)

_____ GEOS 30203, Introduction to Cartography

_____ GEOS 35403, Geospatial Applications and Information Science

_____ GEOS 32103, Principles of Remote Sensing

_____ GEOS 30000+ Regional _____

_____ GEOS 30000+ Regional _____

_____ GEOS 30000+ Topical _____

_____ GEOS 30000+ Topical _____

_____ GEOS 30000+ Technical* _____

Choose 3:* (one of these courses may also count as the technical elective)

_____ GEOS 45203, Cartographic Design and Production

_____ GEOS/ANTH 45503, Introduction to Raster GIS

_____ GEOS 45803/ANTH 48503, Enterprise and Multiuser GIS

_____ GEOS 45903, Introduction to Global Positioning Systems and Global Navigation Satellite Systems

_____ STAT 30043, Statistical Methods

_____ CVEG 20503, Surveying Systems

General Electives (48-58 hrs)

How you use these hours will depend on your educational and career goals. 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 to track which classes you've taken outside the above requirements.

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Advising Notes

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Graduation Plan

Use the following additional resources, in addition to this major map, to complete your graduation plan ([Catalog](#), and your [Degree Audit](#) 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):

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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)

Please visit <https://catalog.uark.edu/undergraduatecatalog> for an extensive list of core, major, graduation, and pre-requisite requirements. To read more about individual classes, visit the [courses of instruction](#) page for course descriptions.

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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 PERSPECTIVES 0-1 hr	<ul style="list-style-type: none"> UNIV 10051, University Perspectives (or UNIV 100H1) 	Or equivalent from another University of Arkansas college. (AFLS 102H3, ARSC 12001, GNEG 11101, GNEG 111H1, HIST 1003(H), HIST 10001, HIST 100H1, PLSC 10003, PLSC 100H3, BUSI/WCOB 11101, WCOB/BUSI 111H1) Note: students who transfer to the University of Arkansas with at least 24 credit hours will have this requirement waived.
STATE CORE COMPOSITION 0-6 hrs	<ul style="list-style-type: none"> ENGL 10103, Composition 1 or SAT/ACT exemption (or ENGL 101H3) ENGL 10203, Composition 2 or SAT/ACT exemption (or ENGL 102H3) 	See Catalog for information about placement and/or exemption.
STATE CORE US HISTORY or GOVERNMENT 3 hrs	Choose 1: * <ul style="list-style-type: none"> HIST 20003, History of the American People to 1877 HIST 20103, History of the American People 1877 to Present PLSC 20003, American National Government (or PLSC 200H3) 	*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 will need unique courses in each of the content areas below.
STATE CORE MATHEMATICS 3 hrs	Choose 1: <ul style="list-style-type: none"> MATH 11003, College Algebra MATH 11103, Quantitative Reasoning MATH 15104, Calculus with Algebra and Trigonometry MATH 21003, Principles of Statistics Any higher-level mathematics course with MATH 11003 as a pre-requisite 	Based on ACT/SAT or other math placement scores, students may need to enroll in additional remediation related courses. See catalog or math placement website for additional information.
STATE CORE NATURAL SCIENCES CORE 8 hrs	<ul style="list-style-type: none"> GEOL 11103/11101, Physical Geology or GEOS 11504, Geology for Majors (Required in major) GEOS 11203/11201, Earth Science (Required in major) 	*GEOS 11504 is not listed in the catalog but has been approved to count here via standing substitution while the department works to add it to a future catalog
STATE CORE SOCIAL SCIENCES 9 hrs	<ul style="list-style-type: none"> GEOG 11103, Human Geography (required in major) GEOG 21003, World Regional Geography (required in major) Choose 1: * <ul style="list-style-type: none"> AGEC 11003, Principles of Agriculture Microeconomics (or AGECE 110H3) AGEC 21003, Principles of Agriculture Macroeconomics (or AGECE 210H3) ANTH 10203, Intro to Cultural Anthropology (or ANTH 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) 	Students must take classes from at least two departments in the Social Sciences category. *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 will need unique courses in each of the content areas below.

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	<ul style="list-style-type: none"> • EDST 20003, Introduction to Educational Studies • 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 21003, State and Local Government • 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 	
<p>STATE CORE FINE ARTS</p> <p>3 hrs</p>	<p>Choose 1: *</p> <ul style="list-style-type: none"> • ARCH 10003, Architecture Lecture (or ARCH 100H3) • ARHS 10003, Art Lecture (or ARHS 100H3) • COMM 10003, Film Lecture (or COMM 100H3) • 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 101H3) • THTR 16803, Acting I • THTR 18803, Acting 1 for Theatre majors 	<p>*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 will need unique courses in each of the content areas below.</p>
<p>STATE CORE HUMANITIES</p> <p>3 hrs</p>	<p>Choose 1: *</p> <ul style="list-style-type: none"> • AAST 20203, The African American Experience • ANTH 10303, Introduction to Archeology • ARCH 10103, Diversity and Design (or ARCH 101H3) • CLST 10003, Introduction to Classical Studies: Greece (or CLST 100H3) 	<p>*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 will need unique courses in each of the content areas below.</p>

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	<ul style="list-style-type: none"> • 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 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) • THTR 10103, Musical Theatre Appreciation (or THTR 101H3) • Any Intermediate level foreign language numbered at the 20000 level 	
<p><u>MAJOR LANGUAGE REQUIREMENT</u></p> <p>3-6 hrs*</p>	<p>Get to the Elementary II (10203) level or higher of a foreign language:</p> <p>This may be completed by taking only the 10203 level, <u>if the student has previous fluency</u>, but is most commonly completed by taking two classes (ARAB and CHIN both also offer intensive formats for accelerated study):</p> <ul style="list-style-type: none"> • Elementary I (10103) • Elementary II (10203) 	<p>Language Options: See the catalog for complete list</p> <p>Language Placement: See the WLLC website for a list of available placement exams for certain languages as well as information about credit by exam for Spanish.</p> <p>*While the catalog language is written differently, the college has confirmed with the department that this is the intended language requirement.</p>
<p><u>GEOGRAPHY COURSES</u></p> <p>30 hrs</p>	<ul style="list-style-type: none"> • GEOS 30203, Introduction to Cartography • GEOS 35403, Geospatial Applications and Information Science • GEOS 32103, Principles of Remote Sensing 	<p>Regional Electives: GEOS 40403 Geography of the Middle East or GEOS 4043H Honors Geography of the Middle East GEOS 40703 Urban Geography GEOS 4300V Internship in Physical Geography (could also be moved to Topical)</p>

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<p>In addition to GEOG 11103, GOEG 21003, GEOL 11103/11301, and GEOL 11203/11201 which are listed in the state core</p>	<ul style="list-style-type: none"> • 2 GEOS 30000+ Regional Courses • 2 GEOS 30000+ Topical Courses • 1 GEOS 30000+ Technical (Requirement met with one of the three courses taken below) <p>Choose 3:</p> <ul style="list-style-type: none"> ○ GEOS 45203, Cartographic Design and Production ○ GEOS/ANTH 45503, Introduction to Raster GIS ○ GEOS 45803/ANTH 48503, Enterprise and Multiuser GIS ○ GEOS 45903, Introduction to Global Positioning Systems and Global Navigation Satellite Systems ○ STAT 30043, Statistical Methods ○ CVEG 20503, Surveying Systems 	<p>GEOS 4370V, Geology Field Trip (could also be moved to Topical) GEOS 43903 American Public Lands GEOS 45603, Geology of Our National Parks (could also be moved to Topical) GEOS 46806, Geology Field Camp (could also be moved to Topical) GEOS 47803 Geography of Europe GEOS 48103 Geography of Eurasia</p> <p><u>Topical Electives):</u> GEOS 30303 Building Materials Field Studies GEOS 30403 Sustaining Earth or GEOS 304H3 Honors Sustaining Earth GEOS 33303 Oceanography GEOS 37303, Geospatial Data Science in Public Health (could also be moved to Technical) GEOS 40303 Hydrology GEOS 40503 Geomorphology GEOS 40603 Principles of Geochemistry GEOS 40703 Urban Geography GEOS 40903 History and Philosophy of Geography GEOS 41103 Global Change GEOS 42303 Geography of Religion and Sacrality GEOS 42403 Political Geography GEOS 4300V Internship in Physical Geography (could also be moved to Regional) GEOS 43503, Meteorology GEOS 43603 Climatology GEOS 4370V, Geology Field Trip (could also be moved to Regional) GEOS 438H3 Honors Hazard & Disaster Assessment, Mitigation, Risk & Policy GEOS 43903 American Public Lands GEOS 44703, Applied Climatology GEOS 44803 Severe Weather GEOS 44903, Geography of Political Violence GEOS 45603, Geology of Our National Parks (could also be moved to Regional) GEOS 46903 Environmental Justice (no longer taught but counts if taken previously) GEOS 46703, Volcanology (no longer taught but counts if taken previously) GEOS 46806, Geology Field Camp (could also be moved to Regional) GEOS 49204, Earth System History GEOS 49303 Ancient Forest Science and Sustainability</p> <p><u>Courses that can count in the GEOGBA but category varies depending on topic (Dept approval required to indicate where they count):</u> GEOS 3600V Undergraduate Special Problems GEOS 38703 Geospatial Data Analysis GEOS 390H1 Junior Honors Course GEOS 391H1 Junior Honors Course GEOS 399HV Honors Course GEOS 410HV Honors Special Problems in Geosciences GEOS 497H2, Senior Honors Course I GEOS 498H2, Senior Honors Course II</p> <p><u>GEOS courses that do not count in the GEOGBA:</u> GEOS 30603 Geology of Arkansas GEOS 34103 Sedimentary Geology GEOS 35104 Structural Geology GEOS 40803 Economic Geology GEOS 41503 Karst Hydrogeology GEOS 42203 Stratigraphy and Sedimentation GEOS 42503 Petroleum Geology GEOS 43303, Igneous and Metamorphic Petrology GEOS 44303, Geophysics GEOS 45303, Introduction to Petroleum Geophysics GEOS 46603, Low-Temperature Geochemistry of Natural Waters GEOS 49903, Dynamics of Sediment Transport</p>
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<p>GENERAL ELECTIVES 48-58 hrs</p>	<p>Hours will vary depending on language placement, and whether a student is exempt from ENGL 10103 and 10203.</p>	<p>Some general electives may need to be upper level to meet college and university residency requirements. See Graduation Checklist on page 3 for more information.</p>
<p>WRITING REQUIREMENT</p>	<p>The college writing requirement may be satisfied in one of two ways:</p> <ul style="list-style-type: none"> • Completion of a writing assignment in a GEOS 30000+ course documented using the writing requirement declaration form. • Successful honors thesis defense 	
<p>HONORS</p>	<p>Minimum Requirements for Honors:</p> <ul style="list-style-type: none"> • Maintain cumulative grade point average of 3.5 in all coursework. • Complete a minimum of 12 hours of honors courses from the UofA (including at least 3 hours of GEOS 399HV). • Complete and defend Honors Thesis <p>See Catalog for full description of requirements.</p>	<p>Honors Thesis Timeline: Honors students should consistently check the honors thesis timeline to stay on track to complete your honors thesis.</p> <p>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</p>