

Academic Map: Geography, Geospatial Technology

Department: Geography **Degree:** BS
Program/Major: Geography
Track/Emphasis: Geospatial Technology
Does this program require a minor? (Yes/No) Yes

Important program information in the online *Undergraduate Bulletin*:

UCA Core Requirements: <https://uca.edu/ubulletin/general-policies-information/uca-core/>
LD UCA Core Check Sheet: <https://uca.edu/academicbulletins/ld-uca-core/>
UD UCA Core Course List: <https://uca.edu/academicbulletins/ud-uca-core/>
Degree Requirements: <https://uca.edu/ubulletin/general-policies-information/degree-requirements/>
Program Description: <https://uca.edu/ubulletin/colleges-departments/cn/geography/>
Course Descriptions: <https://uca.edu/ubulletin/courses/>

This degree program requires a total of 120 semester credit hours, including at least 40 upper-division credit hours.

Comparable courses in the Arkansas Course Transfer System (ACTS) are cross-referenced in the ACTS column of each semester block below; a [core link](https://uca.edu/academicbulletins/ld-uca-core/) (https://uca.edu/academicbulletins/ld-uca-core/) takes the user to the *Undergraduate Bulletin's* Lower-Division (LD) UCA Core check sheet, where UCA Core options and ACTS course numbers are listed in full; an [acts link](https://uca.edu/academicbulletins/acts/) takes the user to the *Undergraduate Bulletin's* ACTS page (https://uca.edu/academicbulletins/acts/) for additional information and a UCA-ACTS crosswalk.

Scholarship recipients: Please be aware of eligibility criteria for your scholarship(s). In particular, pay attention to (1) the enrollment requirements each semester for disbursement of your scholarship(s) and (2) the number of hours and GPA required each semester and/or year for renewal of your scholarship(s). Some Academic Maps may suggest enrollment in fewer hours than required for disbursement of your scholarship(s). In such cases, work with your academic advisor to adjust your schedule to meet requirements most efficiently. Contact the Office of Student Financial Aid at (501) 450-3140 with any questions regarding enrollment/renewal requirements of your scholarship(s). For online information resources, see endnote ¹.

Year 1

Fall – Semester 1 (credit hours: 16)

SUBJ	NUM	TITLE	SCH	ACTS
WRTG	1310	Introduction to College Writing	3	ENGL1013
GEOG	1400	Earth Systems Science (LD UCA Core: Physical Science)	4	PHSC 1104
GEOG	1320	Human Geography (LD UCA Core: Diversity/World Cultures [SS])	3	GEOG1113
MATH	1360 1390	Quantitative Literacy or College Algebra or Higher mathematics course (LD UCA Core: Quantitative) ²	3	MATH1113 MATH1103 core link
		LD UCA Core ²	3	core link

Spring – Semester 2 (credit hours: 17)

SUBJ	NUM	TITLE	SCH	ACTS
WRTG ENGL	1320 1320	Academic Writing and Research or Interdisciplinary Writing and Research or Other approved alternative (LD UCA Core: Research/Writing) ²	3	ENGL1023 ENGL1023 core link
GEOG	2331	Research Methods in Geography	3	
GEOG	2475	Cartography	4	

SUBJ	NUM	TITLE	SCH	ACTS
		LD UCA Core ²	3	core link
BIOL	1400	Exploring Concepts in Biology or Approved alternative (LD UCA Core, Life Science) ²	4	BIOL1004 core link

Year 2**Fall – Semester 3 (credit hours: 16)**

SUBJ	NUM	TITLE	SCH	ACTS
GEOG	3403	Geographic Information Systems (UD UCA Core: I)	4	
GEOG	2330	Quantitative Methods in Geography ³	3	
		LD UCA Core ²	3	core link
		LD UCA Core ²	3	core link
		LD UCA Core ²	3	core link

Spring – Semester 4 (credit hours: 15)

SUBJ	NUM	TITLE	SCH	ACTS
GEOG	3345	Geography of China & East Asia (UD UCA Core: D) or Approved alternative ⁴	3	
GEOG	3306	Remote Sensing and Image Interpretation	3	
		BS Math/Science ³	3	acts link
		LD UCA Core ²	3	core link
		Minor Elective ⁵	3	core link

Year 3**Fall – Semester 5 (credit hours: 15)**

SUBJ	NUM	TITLE	SCH	ACTS
GEOG		UD UCA Core: Responsible Living ⁶	3	
		Minor Elective ⁵	3	
		General Elective	3	
		General Elective	3	
		General Elective	3	

Spring – Semester 6 (credit hours: 16)

SUBJ	NUM	TITLE	SCH	ACTS
GEOG	3430	Geographic Information Analysis	4	
		UD UCA Core: Communication ²	3	
		Minor Elective ⁵	3	
		Minor Elective ⁵	3	
		General Elective	3	

Year 4**Fall – Semester 7 (Credit hours: 15)**

SUBJ	NUM	TITLE	SCH	ACTS
GEOG	4391	Research Seminar (UD UCA Core: Z)	3	
GEOG	4309	GIS in Practice: Environmental Applications/Approved alternative ⁷	3	
		Minor Elective ⁵	3	
		Minor Elective ⁵	3	
		General Elective	3	

Spring – Semester 8 (Credit hours: 10)

SUBJ	NUM	TITLE	SCH	ACTS
GEOG		Geography Elective	3	
		Minor Elective ⁵	3	
		General Elective (any combination of course[s])	4	

SIGNED – DEPARTMENT CHAIR

DATE

SIGNED – COLLEGE DEAN

DATE

To be completed by the advisor when an Eight-Semester plan is accepted by the student:

If applicable, has student selected a minor? Type “x” as appropriate. _____ No _____ Yes

If “yes,” specify: _____

Notes

¹ See online information resources for UCA scholarships at <https://uca.edu/scholarships/> and for state scholarships at <https://scholarships.adhe.edu/scholarships-and-programs/a-z/>.

² See appropriate choices, alternatives, or substitutions under “UCA Core” in the *Undergraduate Bulletin*. During the first year, a student must complete a UCA Core course designated as a First-Year Seminar (FYS) in Critical Inquiry, Diversity, or Responsible Living. A lab science (BIOL 1400 or a Physical Science) and MATH 1360/MATH 1390 should be taken in the first year if possible. PSCI 1330 is recommended for LD UCA Core: Inquiry and Analysis: American History and Government.

The student will also need to complete major, minor, or general elective courses designated as fulfilling the upper-division and capstone requirements of the UCA Core. See annotations in this Academic Map for courses within the major that will fulfill some of these requirements. For other available courses, consult the *Undergraduate Bulletin* and your academic advisor.

³ Preference is for GEOG 2330; credit for only one introductory statistics course allowed. Approved introductory statistics courses include GEOG 2330, MATH 2311, PSCI 2312, PSYC 2330, QMTH 2330, and SOC 2321.

GEOG 2330 Quantitative Methods in Geography may be used to complete one-half of the mathematics option for the BS Special Degree Requirement. An additional and approved MATH course will be required to complete the requirement under this option. If other choices are made to complete the BS requirement, the total number of general electives will need to be adjusted. For a description of the options for fulfilling this requirement, see <https://uca.edu/ubulletin/general-policies-information/degree-requirements/#sec020206>.

⁴ A regional course is required. The student may use any one of the following: GEOG 3315 Geography of Latin America (Spring, even years), GEOG 3345 Geography of China and East Asia (Spring, odd years), GEOG 3380 Geography of Arkansas (Fall, even years), or GEOG 4390 Historical Geography of North America (Fall, odd years).

Notes – *continued*

⁵ This Academic Map includes 21 credit hours in the Minor field of study. Minor requirements range from 15 to 26 credit hours. Depending on the minor selected, the student will need to adjust the number of general elective and minor elective credit hours in this plan.

⁶ Choose 1 from GEOG 3301, GEOG 3333, GEOG 4304, GEOG 3325, or GEOG 4313.

⁷ An Upper-Division Geospatial Technology course is required. The student may use any one of the following: GEOG 3319 Geographic Field Techniques (Fall), GEOG 4307 GIS in Practice: Locational Analysis & Decision Making in GIS (Spring), or GEOG 4309 GIS in Practice: Environmental Applications (Fall).