

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: <http://uca.edu/ubulletin/general-policies-information/uca-core/>
LD UCA Core Check Sheet: <http://uca.edu/academicbulletins/ld-uca-core/>
UD UCA Core Course List: <http://uca.edu/academicbulletins/ud-uca-core/>
Degree Requirements: <http://uca.edu/ubulletin/general-policies-information/degree-requirements/>
Program Description: <http://uca.edu/ubulletin/colleges-departments-programs/college-of-natural-sciences-and-mathematics/departments-of-geography/>
Course Descriptions: <http://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](http://uca.edu/academicbulletins/ld-uca-core/) (<http://uca.edu/academicbulletins/ld-uca-core/>) takes the user to the *Undergraduate Bulletin's* UCA Lower-Division Core check sheet, where UCA Core options and ACTS course numbers are listed in full; an [acts link](http://uca.edu/academicbulletins/acts/) (<http://uca.edu/academicbulletins/acts/>) takes the user to the *Undergraduate Bulletin's* ACTS page (<http://uca.edu/academicbulletins/acts/>) for additional information and a UCA-ACTS crosswalk.

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 | Quantitative Literacy | 3 | MATH1113 |
| | 1390 | College Algebra Or higher mathematics course (LD UCA Core: Quantitative) ¹ | | MATH1103 core link |
| | | LD UCA Core ¹ | 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) ¹ | 3 | ENGL1023 ENGL1023 core link |
| GEOG | 2331 | Research Methods in Geography | 3 | |
| GEOG | 2475 | Cartography | 4 | |
| | | LD UCA Core ¹ | 3 | core link |
| BIOL | 1400 | Exploring Concepts in Biology or Approved alternative (LD UCA Core, Life Science) ¹ | 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 | |
| | | LD UCA Core ¹ | 3 | core link |
| | | LD UCA Core ¹ | 3 | core link |
| | | LD UCA Core ¹ | 3 | core link |

Spring – Semester 4 (credit hours: 15/16)

| SUBJ | NUM | TITLE | SCH | ACTS |
|------|------|--|-----|---------------------------|
| GEOG | 3345 | Geography of China & East Asia (UD UCA Core: D) or Approved alternative ² | 3 | |
| GEOG | 3306 | Remote Sensing and Image Interpretation | 3 | |
| | | BS Math/Science ³ | 3–4 | acts link |
| | | LD UCA Core ¹ | 3 | core link |
| | | Minor Elective ⁴ | 3 | core link |

Year 3**Fall – Semester 5 (credit hours: 15/16)**

| SUBJ | NUM | TITLE | SCH | ACTS |
|------|-----|--|-----|---------------------------|
| GEOG | | UD UCA Core: Responsible Living ⁵ | 3 | |
| | | BS Math/Science ³ | 3–4 | acts link |
| | | Minor Elective ⁴ | 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 ¹ | 3 | |
| | | Minor Elective ⁴ | 3 | |
| | | Minor Elective ⁴ | 3 | |
| | | General Elective | 3 | core link |

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 or Approved alternative ⁷ | 3 | |
| | | Minor Elective ⁴ | 3 | |
| | | Minor Elective ⁴ | 3 | |
| | | General Elective | 3 | |

Spring – Semester 8 (Credit hours: 10/12)

| SUBJ | NUM | TITLE | SCH | ACTS |
|------|-----|-------------------------------|-----|------|
| GEOG | | Geography Elective | 3 | |
| | | Minor Elective ⁴ | 3 | |
| | | General Elective | 3 | |
| | | General Elective ⁶ | 1–3 | |

 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 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.

² 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).

³ Depending on the math or science courses selected to satisfy the special degree requirements for a Bachelor of Science, the student will need to adjust the number of general elective hours in this AMAP. For further details about the BS Science/Math requirement, see the *Undergraduate Bulletin*, “Degree Requirements,” § 2.2.5, Bachelor of Science.

⁴ This Academic Map includes 21 credit hours in the Minor field of study. Minor requirements range from 15 to 27 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.

⁵ Choose 1 from GEOG 3301, GEOG 3333, GEOG 4304, GEOG 3325, or GEOG 4313.

⁶ Depending upon taking two science courses or two mathematics courses for the BS requirement, the student may need to complete additional credit hours to reach the 120 minimum for graduation.

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).