

## New Program Proposal

Date Submitted: 09/13/24 10:48 am

Viewing: **GEOGBS-GEGE : Geography: General**

### Geography Concentration

Last edit: 11/14/24 7:57 pm

Changes proposed by: nrgreen

Submitter: 3429      User ID: nrgreen      Phone:

Program Status: Active

Academic Level: Undergraduate

Type of proposal: Concentration

Select a reason for this new program: Adding New Concentration

Effective Catalog Year: Fall 2025

College/School Code: Fulbright College of Arts and Sciences (ARSC)

Department Code: Department of Geosciences (GEOS)

Program Code: GEOGBS-GEGE

Degree: Bachelor of Science

CIP Code:

#### In Workflow

1. ARSC Dean Initial
2. Director of Curriculum Review and Program Assessment
3. Registrar Initial
4. Institutional Research
5. GEOS Chair
6. ARSC Curriculum Committee
7. ARSC Dean
8. Global Campus
9. Provost Review
10. Undergraduate Council
11. Faculty Senate
12. Provost Final
13. Provost's Office-- Documentation sent to System Office
14. Higher Learning Commission
15. Board of Trustees
16. ADHE Final
17. Provost's Office-- Notification of Approval
18. Registrar Final
19. Catalog Editor Final

#### Approval Path

1. 09/13/24 11:44 am  
Christopher Schulte (cschulte):  
Approved for ARSC Dean Initial

2. 10/29/24 11:29 am  
Lisa Kulczak  
(lkulcza): Approved  
for Director of  
Curriculum Review  
and Program  
Assessment
3. 10/30/24 1:20 pm  
Gina Daugherty  
(gdaugher):  
Approved for  
Registrar Initial
4. 10/31/24 10:52 am  
Doug Miles  
(dmiles): Approved  
for Institutional  
Research
5. 10/31/24 12:29 pm  
Jason Tullis (jatullis):  
Approved for GEOS  
Chair
6. 11/06/24 3:27 pm  
Nik Rowan  
(nrgreen): Approved  
for ARSC Curriculum  
Committee
7. 11/07/24 8:24 am  
Christopher Schulte  
(cschulte):  
Approved for ARSC  
Dean
8. 11/07/24 8:26 am  
Suzanne Kenner  
(skenner): Approved  
for Global Campus
9. 11/07/24 8:48 am  
Jim Gigantino  
(jgiganti): Approved  
for Provost Review
10. 11/23/24 11:53 am  
Lisa Kulczak

(Ikulcza): Approved  
for Undergraduate  
Council

30.4401 - Geography and Environmental Studies.

Program Title

Geography: General Geography Concentration

Program Delivery

Method

On Campus

Is this program interdisciplinary between two or more colleges or schools?

No

Do the proposed changes impact any specific course(s) from another college or school?

No

What are the total 120  
hours needed to  
complete the  
program?

## Program Requirements and Description

Requirements

Requirements for a Major in Geography with General Geography Concentration:

Take 12 credit hours chosen from below:

12

[GEOS 30103](#) Foundations of Geospatial Data Analysis

[GEOS 30203](#) Introduction to Cartography

[GEOS 30403](#) Sustaining Earth

or [GEOS 304H3](#) Honors Sustaining Earth

[GEOS 31003](#) Geospatial Technologies Computational Toolkit

[GEOS 32103](#) Principles of Remote Sensing

[GEOS 35503](#) Spatial Analysis Using ArcGIS

[GEOS 35603](#) Geospatial Data Mining

[GEOS 35903](#) Introduction to Geodatabases

<a href="#"><u>GEOS 3600V</u></a>	Undergraduate Special Problems
<a href="#"><u>GEOS 37303</u></a>	Geospatial Data Science in Public Health
<a href="#"><u>GEOS 399HV</u></a>	Honors Course
<a href="#"><u>GEOS 40403</u></a>	Geography of the Middle East
or <a href="#"><u>GEOS 404H3</u></a>	Honors Geography of the Middle East
<a href="#"><u>GEOS 40703</u></a>	Urban Geography
<a href="#"><u>GEOS 4100V</u></a>	Special Problems in Geosciences
<a href="#"><u>GEOS 41103</u></a>	Global Change
or <a href="#"><u>GEOS 411H3</u></a>	Honors Global Change
<a href="#"><u>GEOS 41303</u></a>	Radar Remote Sensing
<a href="#"><u>GEOS 42303</u></a>	Geography of Religion & Sacrality
<a href="#"><u>GEOS 42403</u></a>	Political Geography
<a href="#"><u>GEOS 42603</u></a>	Geospatial Data Science - Sources and Characteristics
<a href="#"><u>GEOS 4300V</u></a>	Internship in Physical Geography
<a href="#"><u>GEOS 43503</u></a>	Meteorology
<a href="#"><u>GEOS 43603</u></a>	Climatology
<a href="#"><u>GEOS 43803</u></a>	Hazard & Disaster Assessment, Mitigation, Risk & Policy
or <a href="#"><u>GEOS 438H3</u></a>	Honors Hazard & Disaster Assessment, Mitigation, Risk & Policy
<a href="#"><u>GEOS 43903</u></a>	American Public Lands & Policy
or <a href="#"><u>GEOS 439H3</u></a>	Honors American Public Lands & Policy
<a href="#"><u>GEOS 44703</u></a>	Applied Climatology
or <a href="#"><u>GEOS 447H3</u></a>	Honors Applied Climatology
<a href="#"><u>GEOS 44903</u></a>	Geography of Political Violence
or <a href="#"><u>GEOS 449H3</u></a>	Honors Geography of Political Violence
<a href="#"><u>GEOS 45203</u></a>	Cartographic Design and Production
<a href="#"><u>GEOS 45503</u></a>	Introduction to Raster GIS
<a href="#"><u>GEOS 45603</u></a>	Geology of Our National Parks
<a href="#"><u>GEOS 45803</u></a>	Enterprise and Multiuser GIS
<a href="#"><u>GEOS 45903</u></a>	Introduction to Global Positioning Systems and Global Navigation Satellite Systems

<a href="#"><u>GEOS 46503</u></a>	GIS Analysis and Modeling	
<a href="#"><u>GEOS 46903</u></a>	Environmental Justice	
<a href="#"><u>GEOS 47803</u></a>	Geography of Europe	
<a href="#"><u>GEOS 47903</u></a>	Geospatial Unmanned Aircraft Systems	
<a href="#"><u>GEOS 48103</u></a>	Geography of Eurasia	
<a href="#"><u>GEOS 49303</u></a>	Ancient Forest Science and Sustainability	
<a href="#"><u>GEOS 59703</u></a>	Seminar in GIScience	
Take 6 credit hours of any additional GEOS courses numbered 30000 level or higher		6
Total Hours		18



## 8-Semester Plan

**Eight-Semester Degree Plan for a Bachelor of Science in Geography, General Geography Concentration**

Students enrolling in the eight-semester degree plan should review the Eight-Semester Degree Completion Policy. State minimum core requirements may vary by individual, based on placement and previous credit granted. Once all core requirements are met, students may substitute with general electives in consultation with their academic advisor.

First Year	Units
	Fall/Spring
<b>ENGL 10103</b> Composition I (ACTS Equivalency = ENGL 1013) (Satisfies General Education Outcome 1.1) <sup>1</sup>	3
Choose 1 (Satisfies General Education Outcome 2.1): <sup>1</sup>	3
<b>MATH 11103</b> Quantitative Reasoning (ACTS Equivalency = MATH 1113)	
<b>MATH 11003</b> College Algebra (ACTS Equivalency = MATH 1103)	
or any MATH course numbered higher than MATH 11003	
Choose 1: (meets 1 of 3 Social Science State minimum core requirements) <sup>1</sup>	3
<b>GEOG 11103</b> Human Geography (ACTS Equivalency = GEOG 1113)	
<b>GEOG 21003</b> World Regional Geography (ACTS Equivalency = GEOG 2103)	
General Electives <sup>1</sup>	4
<b>ENGL 10203</b> Composition II (ACTS Equivalency = ENGL 1023) ((Satisfies General Education Outcome 1.2) <sup>1</sup> ) <sup>1</sup>	3
Choose 1: (Satisfies General Education Outcome 3.4) <sup>1</sup>	4
<b>GEOL 11103</b> Physical Geology (ACTS Equivalency = GEOL 1114 Lecture)	
& <b>GEOL 11101</b> Physical Geology Laboratory (ACTS Equivalency = GEOL 1114 Lab)	
<b>GEOL 11203</b> Earth Science (ACTS Equivalency = GEOL 1124 Lecture)	
& <b>GEOL 11201</b> Earth Science Laboratory (ACTS Equivalency = GEOL 1124 Lab)	
<b>GEOS 11504</b> Introduction to Geology for Science Majors	
Social Science State Minimum Core (Satisfies General Education Outcome 3.3) <sup>1</sup>	3
Social Science State Minimum Core (Satisfies General Education Outcome 5.1) <sup>1</sup>	3
General Electives	3
Year Total:	13 16
Second Year	Units
	Fall/Spring
GEOG Concentration Course	3
Science State Minimum Core with corequisite lab (Satisfies General Education Outcome 3.4) <sup>1</sup>	4
Humanities State Minimum Core (Satisfies General Education Outcomes 3.2 and 4.1) <sup>1</sup>	3
General Electives <sup>1</sup>	6
GEOG Concentration Course	3
U.S. History or Government State Minimum Core (Satisfies General Education Outcome 4.2) <sup>1</sup>	3
Fine Arts State Minimum Core (Satisfies General Education Outcome 3.1) <sup>1</sup>	3
General Electives <sup>1</sup>	6
Year Total:	16 15

	Units	
	Fall	Spring
Third Year		
<a href="#">GEOS 35403</a> Geospatial Applications and Information Science	3	
GEOG Concentration Course	3	
Any UA-Fayetteville credit hours numbered at the 30000-level or higher	3	
General Electives <sup>1</sup>	6	
<a href="#">GEOS 40903</a> History and Philosophy of Geography (Satisfies General Education Outcome 1.2 and 6.1) <sup>1</sup>	3	
GEOG Concentration Course	3	
Any credit hours numbered at the 30000-level or higher, or any 20000-level credit hours that have a course prerequisite	3	
General Electives <sup>1</sup>	6	
Year Total:	15	15
Fourth Year		
GEOG Concentration Course	3	
Any credit hours numbered at the 30000-level or higher, or any 20000-level credit hours that have a course prerequisite	3	
<a href="#">GENERAL ELECTIVES</a> <a href="#">Course GENERAL ELECTIVES Not Found</a> <sup>1</sup>	9	
<a href="#">GEOS 30003</a> <a href="#">Course GEOS 30003 Not Found</a> (Or General Elective if took GEOS 35403 in a previous summer)	3	
GEOG Concentration Course	3	
Any credit hours numbered at the 30000-level or higher, or any 20000-level credit hours that have a course prerequisite	4	
General Electives (as needed to reach 120) <sup>1</sup>	5	
Year Total:	15	15
Total Units in Sequence:		120
<sup>1</sup>		
Students must complete the <a href="#">State Minimum Core</a> and the requirements of their major(s) as outlined in the Catalog of Studies. These courses also fulfill many, if not all, of the <a href="#">General Education Requirements</a> . Please visit these pages in the links provided and consult with your academic advisor when making course selections to fulfill these requirements.		

#### Program Costs

See GEOGBS

#### Library Resources

See GEOGBS

#### Instructional

#### Facilities

See GEOGBS

Faculty Resources

See GEOGBS

List Existing Certificate or Degree Programs that Support the Proposed Program

<b>Program(s)</b>
GEOGBS - Geography, Bachelor of Science

Are Similar Programs available in the area?

No

Estimated Student Demand for Program      15/year

Scheduled Program Review Date      2028-2029

Program Goals and Objectives

**Program Goals and Objectives**

The Bachelor's of Science degree in Geography gives students the opportunity to learn about the human and physical elements of our world while developing the technical skills to conduct robust scientific analysis.

Learning Outcomes

**Learning Outcomes**

After graduating with a BS Geography degree, students will have an understanding of the human and physical processes shaping the world today, while also gaining expertise in how to conduct such work in a scientifically verifiable and testable way

Description and Justification for this request

<b>Description of request</b>	<b>Justification for request</b>
<p>Complete reorganization of the degree from a BA to a BS. See attached before and after document for detailed changes.</p> <p>General change summary:</p> <ol style="list-style-type: none"> <li>1. Created a common core that all Geography majors will complete, which includes a capstone course that meets GELO 6.1.</li> <li>2. Creation of 3 equally sized concentrations that offer students the opportunity to specialize</li> </ol>	<p>The Geosciences department is proposing changing the undergraduate degree in Geography from a Bachelors of Arts to a Bachelors of Science. There are three primary motivations for doing so. First, this change helps to consolidate the place of the geography degree at Arkansas in the larger universe of STEM fields. Geography is recognized as a discipline that combines the social and physical sciences through the use of spatial analysis and techniques. Second, transitioning to</p>

Description of request	Justification for request
3. Set the degree up in size to easily pair with other majors/degrees on campus due to having 38 hrs of general electives	a BS degree will bring our program in line with proximate peer institutions, including the University of Kansas, the University of Oklahoma, and Louisiana State University, which all offer BS Geography degrees. Third, the accompanying curriculum revision ensures that undergraduate geography majors have a capstone course in the major and also a clear path to graduation with three newly established concentrations (in human geography, technical geography, and general geography) that allow students to focus their interest across the diverse discipline that is geography. Other proximate peer institutions, including the University of Texas-Austin, also offer concentrations within geography to allow undergraduate students to focus their studies.

## Upload attachments

[LON GEOG.pdf](#)

[GEOGBA to GEOGBS - before and after.docx](#)

[GEOGBS - Reconfiguration - Ltr of Notification\\_Rev\\_BOT.pdf](#)

## Reviewer Comments

**Lisa Kulczak (lkulcza) (10/29/24 10:04 am):** Uploaded revised "before and after" document. ATTENTION REGISTRAR: This proposal will require off-campus approval; please adjust the workflow accordingly.

**Lisa Kulczak (lkulcza) (10/29/24 11:21 am):** Uploaded revised LON with dates inserted.

**Lisa Kulczak (lkulcza) (10/29/24 11:24 am):** GEOS 30003 in approval process with fall 2025 effective date.

**Gina Daugherty (gdaugher) (10/30/24 1:20 pm):** Added off campus approval steps to workflow.

Key: 1009