



Geography & Geotechniques

> COLLEGE OF HEALTH AND SCIENCES



The Geography and Geotechniques Program is one of two programs within the Department of Environmental Sciences. The Geography & Geotechniques program offers a major leading to a Bachelor of Science degree in Cartography, the only cartography degree available in Oklahoma and one of a few available in the United States. A degree in Cartography enables graduates to work in a wide variety of occupations within either the public or private sectors, and prepares those with scholarly pursuits to enter graduate schools across the nation.

> Geography and Geotechniques Program

Geography is a broad field of science devoted to the study of the physical features and inhabitants of the Earth and how they have changed during the history of the Earth. Geography seeks an understanding of the natural systems that operate on Earth and human and natural complexities including patterns of human population distribution, resource availability, and the impact of human activity on natural systems. The Geography and Geotechniques (G&G) Program at ECU offers traditional physical and human geography courses and courses in Geographic Information Systems (GIS) and other new geospatial technologies. The G&G Program prepares students for professional positions in a wide variety of occupations within both public and private sector agencies, and prepares those with scholarly aspirations to enter graduate programs. Active student organizations include The Cartography Society, the program's student club, and the Alpha Pi Chapter of Gamma Theta Upsilon, the International Geographical Honor Society.

> Scholarships Available

The Geography and Geotechniques program has the following scholarships, fellowships and awards available annually to students on a competitive basis:

- Briles Scholarship (1)
- Carmichael Scholarship (1)
- Higginbotham Scholarship (1)
- Joe & June Simms Scholarship (1)
- Kelley-Griffin Scholarship (1)
- Morgan Family Travel Awards (varies)
- NASA National Space Grant College & Fellowship Program (varies)
- Owens Travel Awards (varies)

East Central University
1100 E. 14th St.
Ada, Oklahoma 74820

www.ecok.edu/Geo
580-559-5548



Campus Tours:
ecok.edu/take-a-tour
Begin at ECU Admin, 102
580-559-5628
admissions@ecok.edu



What can I become?



- Aerial Photo Interpreter
- Air Quality Analyst
- Area Specialist
- Avalanche Specialist
- Cartographer
- Demographer
- Economic Dev. Analyst
- Educator
- Engineer
- Geographer
- GIS Analyst
- Hotel Concierge
- Illustrator
- Intelligence Analyst
- Land Surveyor
- Map Curator
- Meteorologist
- Ranger
- Zoning Inspector
- ...and so much more!



Show Me the Money!

Graduates with a geotechniques degree typically earn between \$34,000 and \$43,000 for entry level jobs. As a college graduate, you can earn an average of 75% more than those with only a high school degree, per *The Chicago Tribune!*

(NACE 2018 Salary Report)



Geography & Geotechniques

> DEGREE OPTIONS



Geography & Geotechniques

Dean: Dr. Ken Andrews,
College of Health and Sciences
Chair: Dr. Christopher Braun
Degree: Bachelor of Science
Concentrations: 2
Minor: 1
Faculty: 2 full-time & 1 part-time
Organizations: 1
Scholarships: 5+
Location: 127 Horace Mann



ECU at a Glance

Undergraduate Enrollment: 3,500+
Undergraduate Majors: 70+
Student to Faculty Ratio: 18 to 1
Average Class Size: 22
Faculty with PhDs: 65%
States Represented: 28
Countries Represented: 30+
Year Founded: 1909
Campus Size: 140 Acres
Area Location: Ada, Oklahoma



Tiger Spirit

Mascot: Roary the Tiger
School Colors: Orange & Black
Student Organizations: 60+
Athletics: NCAA Division II

Men's:	Football	Cross Country
	Baseball	Track & field
	Basketball	
Women's:	Basketball	Soccer
	Volleyball	Cross Country
	Softball	Track & field

Geography

The Geography option is designed to emphasize the traditional areas of physical and human geography. This option requires 40 to 42 credit hours of cartography and geography courses offered through the Department of Environmental Sciences (ES) and 54 to 56 credit hours of related courses and electives offered through the Department of ES and other academic departments. Students are required to complete a substantive and individualized senior capstone project as part of the GECAR 4653 course. All students in the G&G Program gain valuable hands-on experiences through the use of the program's state-of-the-art Spatial Graphics and Analysis Laboratory, are encouraged to participate in professional meetings and can choose to perform an internship as part of their degree requirements.



Geotechniques

The Geotechniques option is designed to focus on cartography, remote sensing, geographic information systems (GIS), and global positioning systems. This option requires 43 credit hours in cartography and geography courses and 45 to 47 credit hours of required and elective courses offered through the Department of ES and other academic departments. Students are required to complete a substantive and individualized senior capstone project as part of the GECAR 4653 course. All students in the G&G Program gain valuable hands-on experiences through the use of the program's state-of-the-art Spatial Graphics and Analysis Laboratory, are encouraged to participate in professional meetings and can choose to perform an internship as part of their degree requirements.



We educate and empower students to understand and transform our world.

East Central University, in compliance with Title VI and Title VII of the Civil Rights Act of 1964 (as amended), Executive Order 11246 (as amended), Title IX of the Education Amendments of 1972, Sections 503 and 504 of the Rehabilitation Act of 1973 (as amended), the Americans With Disabilities Act of 1990, the Civil Rights Act of 1991, and other federal and state laws, does not discriminate on the basis of race, color, national origin, sex, age, religion, disability, sexual orientation or status as a veteran in any of its policies, practices or procedures. This includes, but is not limited to, admissions, employment, financial aid, and education services. This publication is printed and issued by East Central University as authorized by Title 70 OS 1981, Section 3903. 500 copies have been prepared and distributed at a cost of \$200.00. Copies have been deposited with the Publications Clearinghouse of the Oklahoma Department of Libraries in compliance with Section 3-114 of Title 65 of the Oklahoma Statutes. 09/18