

Cartography & Geography

@ East Central University



With a Cartography Degree, I can be...

Area Specialist	Air Quality Analyst
Cartographer	Aerial Photo Interpreter
Geographer	Avalanche Specialist
Educator	Zoning Inspector
Illustrator	Meteorologist
Ranger	Hotel Concierge
Land Surveyor	Intelligence Analyst
Map Curator	Economic Dev. Analyst
Engineer	GIS Analyst*
Demographer	Real Estate Appraiser

**GIS Analyst is listed as one of the Top 100 jobs in America! (CNNMoney.com 2010)*

Does a Cartography Degree Make \$\$ and Sense...

The *Chicago Tribune* reports that college graduates earn on average 75% more money than those who only have a high school degree. In particular, graduates with a cartography or geography degree typically can earn between \$40,000 and \$90,000 for entry level jobs. (Association of American Geographers)

Department of Cartography & Geography

The Department of Cartography and Geography offers courses leading to the Bachelor of Science Degree with a major in Cartography, the only cartography degree available in Oklahoma and one of a few available in the United States. In addition, minors are offered in both cartography and geography. The program focuses upon four major areas of geotechniques: cartography, remote sensing, geographic information systems, and global positioning systems. Geography courses are also taught, enabling majors to think spatially and apply geotechniques to real-world situations.

Cartography includes data collection and analysis in the design and preparation of maps as communication and decision tools. Graduates have successfully gone to work in the private sector and all levels of government, as well as going on to graduate school.

Dept. of Cartography & Geography at a Glance:

Dean: Dr. Bruce Weems,
College of Health & Sciences

Chair: Dr. Gregory Plumb

Degree: Bachelor of Science
in Cartography

Concentrations: 2
Geography & Geotechniques

Minors: 2
Cartography & Geography

Faculty: 3 full-time and 1 part-time

Organizations:

- Cartography Society
- Alpha Pi Chapter of Gamma Theta Upsilon
- Assn of American Geographers
- American Society for Photogrammetry & Remote Sensing
- Oklahoma Academy of Science
- South Central Arc Users Group

Scholarships & Programs:

- Kelley-Griffin Scholarship
- Joe Simms Scholarship
- Chesapeake Cartography Scholarships
- Owens Travel Awards
- NASA National Space Grant College & Fellowship Program

Building: Horace Mann

Faculty Offices: Suite 127



www.ecok.edu/cartogeo

Dr. Rob Newcomer,
Dept. Recruiting Coordinator
580-559-5397

ECU Department of Cartography & Geography



ECU at a Glance:

Undergraduate Enrollment: 4,893

States Represented: 31

Out-of-State Students: 10.6%

Countries Represented: 36

Student to Faculty Ratio: 24 to 1

Average Class Size: 21

PhDs in Faculty: 68%

Male/Female Ratio: 5:7

Undergraduate Majors: 71

Year Founded: 1909

Student Organizations: 80+

Athletics: 13 sports; NCAA Division II

Mascot: Roary the Tiger

School Colors: Orange & Black

Campus Size: 140 acres

Area Location: Ada, Oklahoma

Overview of the Department

The Department offers a curriculum leading to a B.S. in Cartography with a concentration either in Geotechniques or Geography. Non-majors may minor in Cartography or Geography. Several courses are also taught that contribute to the general education of students campus-wide.

Active student organizations include The Cartography Society, the departmental cartography club, and the Alpha Pi Chapter of Gamma Theta Upsilon, the International Geographical Honor Society. There are currently ten scholarships available to cartography majors: eight Chesapeake Cartography Scholarships, the Kelley-Griffin Scholarship, and the Joe Simms Scholarship. Student travel awards are also available through the Virgil Owens Travel Fund.

The Web Atlas of Oklahoma (www.okatlas.org) was developed and is maintained by faculty and students in the Department. ECU's participation in the NASA National Space Grant College and Fellowship Program is also administered here.

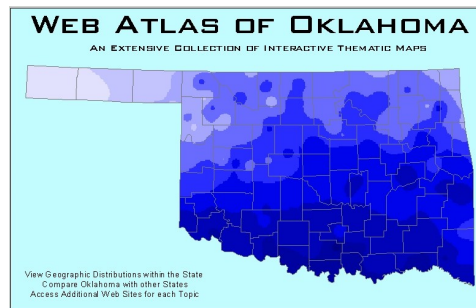
The Cartography Program

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.

Majors select a concentration in either Geotechniques or Geography. These two options allow students to choose an emphasis in either the technical realm of the discipline or more traditional geography. All of the majors gain valuable hands-on experiences through the use of the department's state-of-the-art Devon Energy Spatial Graphics and Analysis Laboratory and the opportunity to gain internships with government and industry. They are also encouraged to participate in a professional meeting and all majors give a formal presentation based upon their senior projects. Selection of a minor complements the major.

The Geotechniques concentration focuses upon the analytical, theoretical, and technical skills necessary for employment as a cartographer, GIS analyst, and related professions. It focuses upon four major areas of geotechniques: cartography, remote sensing, geographic information systems, and global positioning systems. Geography courses are also required, enabling students to apply geotechniques to a variety of real-world situations.

The Geography concentration follows a more traditional curriculum in the discipline, training students to think spatially thus offering a set of unique skill sets to a variety of vocations. Among the requirements of this option is a field course, whereby students gain experiences of what it truly means to be a geographer. For both concentrations, students select a minor complementing the major.



The Web Atlas of Oklahoma

www.okatlas.org

is a publication of the department faculty and students.



Campus Tours

Monday - Friday: 2:00 p.m.

1st Saturday of each month at 10:00 a.m.

All tours will depart from the ECU Administration Building, Suite 102

For a reservation or to schedule another time, call 580-559-5628 or email ecurecruit@ecok.edu

www.ecok.edu

East Central University's mission is to foster a learning environment in which students, faculty, staff, and community interact to educate students for life in a rapidly changing and culturally diverse society. Within its service area, East Central University provides leadership for economic development and cultural enhancement.

In compliance with Title VI of the Civil Rights Act of 1964, Executive Order 11246 as amended, Title IX of the Education Amendment Act of 1972, Sections 503 and 504 of the Rehabilitation Act of 1973, and other federal laws and regulations, East Central University does not discriminate on the basis of race, color, national origin, sex, age, religion, handicap, disability, 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 issued and printed by East Central University as authorized by Title 70 OS 1981, Section 3903. 100 copies have been printed at a cost of \$32.67. 01/11