



Department of Environmental Sciences

> COLLEGE OF HEALTH AND SCIENCES



The Department of Environmental Sciences (ES) maintains two degree programs, the Environmental Health Science Program and the Geography & Geotechniques Program. The Environmental Health Science Program offers courses leading to a Bachelor Science degree with a major in Environmental Health Science. The Geography & Geotechniques program offers courses leading to a Bachelor of Science degree with a major in Cartography. The programs in the ES Department also offer minors for students majoring in other degree programs.

> Environmental Health Science Program

Environmental Health Science is an interdisciplinary field of study that includes the natural and social sciences and the application of those sciences to the areas of environmental health and environmental protection. The Environmental Health Science (EHS) Program at ECU is the only EHS degree program in Oklahoma and has maintained accreditation through the National Environmental Health Science and Protection Accreditation Council since the beginning of the program in 1970. The EHS Program prepares students for employment as environmental health specialists and environmental protection specialists in both public and private sector agencies. The EHS program also prepares students to enter a wide range of graduate programs in environmental health and environmental science.

> 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.



What can I become?



EHS MAJORS:
Environmental...

- Consultant
- Compliance Officer
- Env. Health Specialist
- Food Safety Inspector
- Occupational Safety & Health Manager
- Public Health Officer
- Resource Manager
- Science Educator
- Scientist

GEOGRAPHY & GEOTECHNIQUES

- Aerial Photo Interpreter
- Air Quality Analyst
- Community Planner
- Economic Dev. Analyst
- Geographer
- GIS Analyst
- Illustrator
- Intelligence Analyst
- Land Surveyor
- Map Curator
- Meteorologist



Show Me the Money!

Graduates with a degree in enviro science typically earn between \$34,000 and \$59,000 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!*

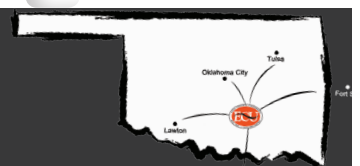
(NACE 2018 Salary Report)

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

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



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



Department of Environmental Sciences

> DEGREE OPTIONS



Environmental Sciences

Dean: Dr. Ken Andrews,
College of Health and Sciences
Director: Dr. Doug Weirick
Degree: Bachelor of Science
Concentrations: 5
Minor: 2
Faculty: 5 full-time & 2 part-time
Organizations: 2
Scholarships: 10+
Location: 260 P&ES Building



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

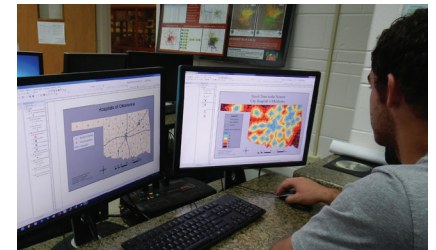
Environmental Health Science Program

The Environmental Health Science (EHS) Program has three program options to allow students to gain additional knowledge and skills in areas of personal interest. The first option is the Environmental Health Science (EHS) option and is designed to prepare students for professional positions protecting human health from environmental hazards and protecting the natural environment. This option requires that students complete 52 credit hours of courses offered through the Department of Environmental Sciences (ES) and 31 credit hours of related courses from other academic departments such as Biology, Chemistry, Mathematics and Computer Science, and Physics. The second option is the Public Health option and is designed to prepare students for professional positions at health departments or at other community and public health sites. This option requires 53 credit hours of courses offered through the Department of ES and 37 credit hours of related courses from other academic departments. The third option is the Environmental Management and Natural Resources option and is designed to prepare students for professional positions managing physical or biological resources in the natural environment. This option requires 44 credit hours of courses offered through the Department of ES and 37-39 credit hours of courses offered through other academic departments. All three options require that the student complete a three to six credit hour professional internship at an approved internship site to allow students to integrate their academic preparation with actual work experiences.



Geography & Geotechniques Program

The Geography & Geotechniques (G&G) Program has two program options to allow students to specialize in traditional areas in geography or gain additional skills with new geospatial technologies. The first option is the Geography option and 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. The second option is the Geotechniques option and 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. Both options require students 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