ECU PHYSICAL SCIENCES-CHEMISTRY

COLLEGE OF HEALTH & SCIENCES



Careers with a Chemistry Degree:

- Biochemists
- Chemists
- Clinical Lab Technologists
- Conservationists
- Doctors
- Drug Analysts
- Environmental Analysts
- Forensic Chemists
- Hydrologists
- Laboratory Scientists
- Materials Scientists
- Mineralogists
- Petroleum Inspectors
- Pharmaceutical Sales Representatives
- Pharmacologists
- Teachers
- Toxicologists
- ...and so much more!

East Central University offers both a major and a minor in Chemistry, a major in Biochemistry, a major in Chemistry for Teacher Certification and courses needed for those wishing to teach Biology, Chemistry, Physics, Physical Science, or General Science at the public school level. The Department of Physical Sciences also functions as a support and service department for required courses in Biology, Nursing, Environmental Science and Allied Health Programs.

> A Quality Program of Study

A quality program of study is made possible through small classes, opportunity for student/professor interaction and modern, high-quality equipment. The unique situation of having the Robert S. Kerr Environmental Protection Agency Groundwater Research Laboratory located in Ada, Oklahoma, allows additional opportunities for study and research through cooperative agreements and possible student employment while at ECU.

>Pre-Professional Studies

The Chemistry program provides pre-professional studies for students pursuing:

- Medicine
- Engineering
- Pharmacy
- Veterinary Medicine
- Physical Therapy
- Medical Technology

> Scholarships for Chemistry Majors

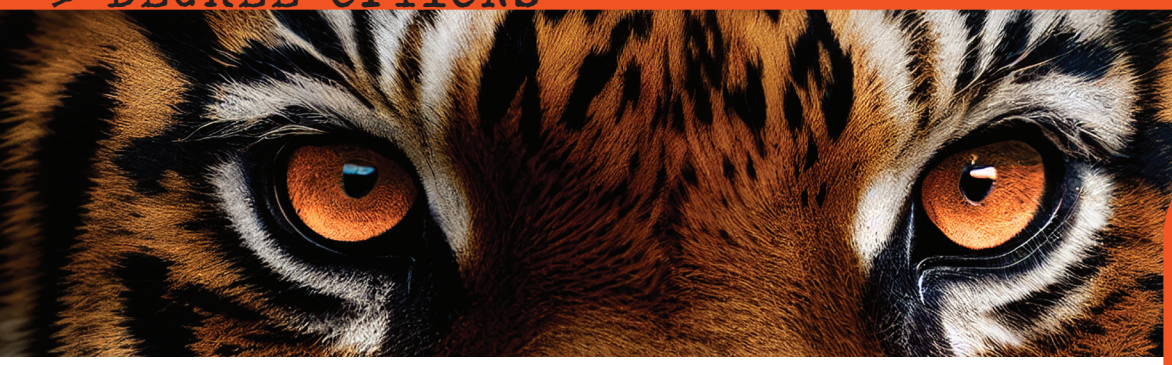
- ECU Foundation Chemistry Award
- Fred and Mary Pfeffer Scholarship
- Willis Decker Scholarship
- Neman Scholarship
- 1950s Science Fund Scholarship
- Briles Scholarship
- Higginbotham Scholarship
- Yolane Hartsfeild Scholarship
- Dr. William A. Carter Scholarship
- Watson Family Scholarship
- Essie Roark Scholarship
- Dr. Bob Neman Scholarship
- DCT Scholarship

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

www.ecok.edu/chem • 580-559-5410

DEPARTMENT OF PHYSICAL SCIENCES-CHEMISTRY

> DEGREE OPTIONS



Chemistry

In compliance with the recommendations of the American Chemical Society for curricula in undergraduate chemical education, the department offers courses in all five major areas of Chemistry: Inorganic, Analytical, Organic, Physical and Biochemistry. The curriculum prepares students for work in industry, government labs or graduate school.

Chemistry Teacher Certification

The Chemistry Teacher Certification degree prepares students who seek teacher certification to teach high school Chemistry. Graduates will need to pass the state examination in Chemistry for the state in which they seek employment.

Biochemistry

Recommended for students interested in biochemistry, the pharmaceutical industry, medical and health-related professional careers or graduate school work in biochemistry.

Research

Students have opportunities for interdisciplinary research under guidance of a Chemistry faculty mentor and are able to present their work at professional conferences of organizations such as the American Chemical Society (ACS) and Oklahoma Academy of Sciences (OAS). Research opportunities exist in areas such as Biochemstry, Materials Science, Computational Chemistry, Organic Chemistry and Nanomaterials.



Department of Physical Sciences

Dean: Dr. Ken Andrews
Chair: Dr. Randall Maples
Degree: Bachelor of Science
Concentrations: 3
Minors: 1
Faculty: 3 full-time & 1 part-time
Organizations: 3
Scholarships: 6
Location: 244 PES Building

ECU at a Glance

Undergraduate Enrollment: 3,300
Undergraduate Majors: 58
Student to Faculty Ratio: 17 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: 35+
Athletics: NCAA Division II

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



To prepare students for tomorrow's world through a dynamic & diverse learning experience.

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