



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!

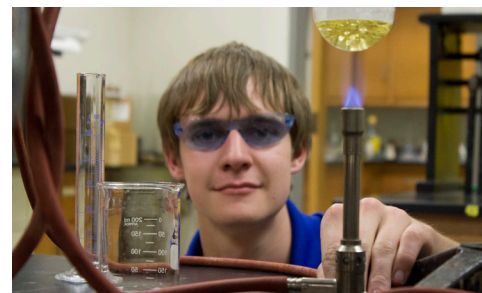


East Central University offers both a major and a minor in Chemistry, a major in Biochemistry, a major in Chemistry for Teacher Certification and courses needed for those wishing to teach Biology, Chemistry, Physics, Physical Science, or General Science at the public school level. The Department of Physical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

> Pre-Professional Studies

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

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



> 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.

> 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

\$how Me the Money!

Graduates with a Chemistry degree typically earn between \$53,000 and \$67,000 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 2021 Salary Report)



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

www.ecok.edu/chem
580-559-5389

Campus Tours:
ecok.edu/take-a-tour
580-559-5628
ecutiger@ecok.edu



Dept. 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

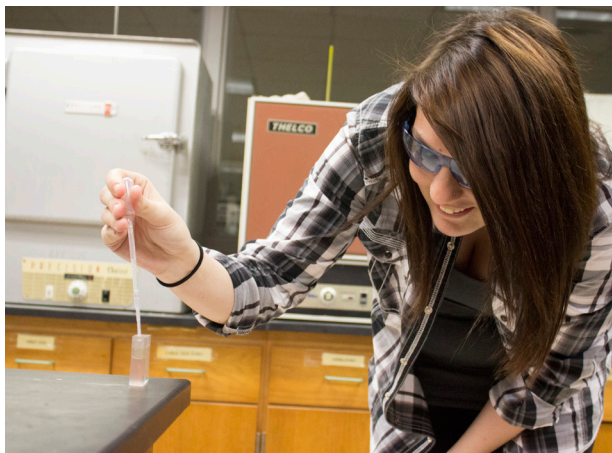
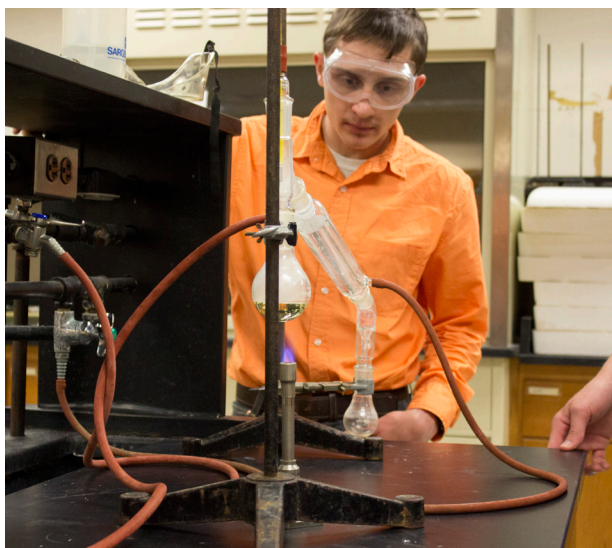
The Chemistry Teacher Certification degree prepares students who seek teacher certification to teach high school Chemistry. Graduates will need to pass the state examination in Chemistry for the state in which they seek employment.

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 Biochemistry, Materials Science, Computational Chemistry, Organic Chemistry and Nanomaterials.



Department of Physical Sciences

Dean: Dr. Ken Andrews,
College of Health & Sciences
Chair: Dr. Randall Maples
Degree: Bachelor of Science
Concentrations: 3
Minor: 1
Faculty: 3 full-time & 2 part-time
Organizations: 3
Scholarships: 6
Location: 244 PES Building



ECU at a Glance

Undergraduate Enrollment: 3,000
Undergraduate Majors: 70+
Student to Faculty Ratio: 13 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 Baseball Basketball	Cross Country Track & Field
Women's:	Basketball Volleyball Softball	Soccer Cross Country Track & Field

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. 08/2021