



# Physical Sciences - Chemistry

COLLEGE OF HEALTH & SCIENCES

**With a Chemistry Degree, we are:**

Biochemist  
Chemist  
Clinical Lab Technologist  
Conservationist  
Doctor  
Drug Analyst  
Environmental Analyst  
Forensic Chemist  
Hydrologist  
Laboratory Scientist  
Materials Scientist  
Mineralogist  
Petroleum Inspector  
Pharmaceutical Sales Representative  
Pharmacologist  
Teacher  
Toxicologist  
...and so much more!

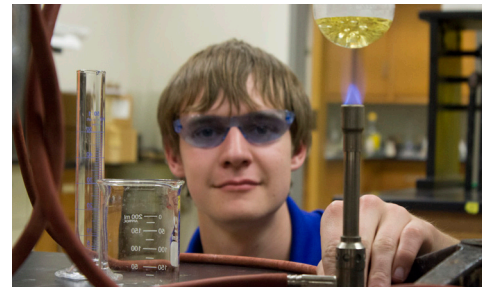


East Central University offers both a major and a minor in chemistry, a major in biochemistry, a major in chemistry for teacher certification and courses needed for those wishing to teach biology, chemistry, physics, physical science, or general science at the public school level. The Department of Physical 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



## \$ how Me the Money!

Graduates with a Chemistry degree typically earn between \$36,000 and \$47,000 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)

## › 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, Okla., 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

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

[www.ecok.edu/chem](http://www.ecok.edu/chem)  
580-559-5389



**Campus Tours:**  
[ecok.edu/take-a-tour](http://ecok.edu/take-a-tour)  
Begin at ECU Admin, 102  
580-559-5628  
[ecutiger@ecok.edu](mailto:ecutiger@ecok.edu)



# Dept. of Physical Sciences - Chemistry

## > DEGREE OPTIONS

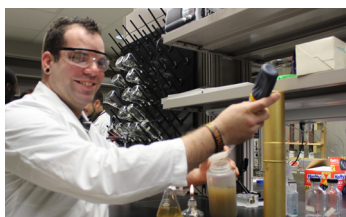


### Chemistry

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.

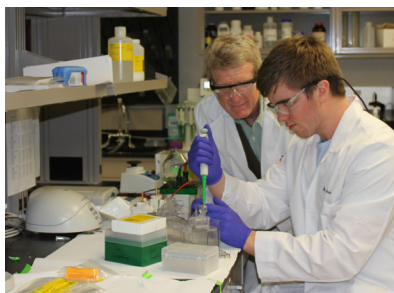


### Biochemistry

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

### 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 bio chemistry, materials science, computational chemistry, organic chemistry and nanomaterials.



# We Are ECU



### Department of Physical Sciences

**Dean:** Dr. Ken Andrews,  
College of Health and Sciences  
**Chair:** Dr. Dwight Myers  
**Degree:** Bachelor in Science  
**Concentrations:** 3  
**Minor:** 1  
**Faculty:** 4 full-time & 2 part-time  
**Organizations:** 3  
**Scholarships:** 6  
**Location:** 248 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

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

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

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