



COLLEGE OF  
ARTS AND SCIENCES

# Chemistry



## MAJORS

Biochemistry, BS  
Chemistry (ASC Approved), BS  
Chemistry: Departmental Degree, BS

Chemistry: Pre-Health/Pre-Law, BS  
Chemistry: Secondary Teacher Certification, BS  
Medicinal and Biophysical Chemistry, BS

As a **Chemistry** major, you will explore the study of matter and its properties, the changes that matter undergoes and energy associated with those changes. A major focus is on the development of new materials as well as making improvements to existing materials to improve the quality of life. Chemists apply their knowledge to perform fundamental studies dealing with materials, health, agriculture and the environment. Chemists routinely interact with researchers in material science, biology, nutrition and physics to solve a broad range of problems.

## PROGRAM OPTIONS

- **Biochemistry** - explores the chemical processes within and related to living organisms.
- **Chemistry** - provides comprehensive training in the four chemistry sub-disciplines – **analytical, inorganic, organic and physical** – and the experience to work safely in a laboratory setting.
- **Medicinal and Biophysical Chemistry** - designed as a formal and direct pathway to medical school and other health professions programs.

## CONTACT INFORMATION

Department of Chemistry  
107 Physical Sciences  
Stillwater, OK 74078  
405-744-9046  
[chemistry.okstate.edu](http://chemistry.okstate.edu)

to learn more, visit  
[cas.okstate.edu](http://cas.okstate.edu)



# Chemistry



## CAREER & INDUSTRY

- Quality Control
- Environmental Protection
- Research & Development
- Research Assistant
- Professor
- Military & Law Enforcement
- Sales & Marketing
- Consulting

## SALARY

up to

**\$47,000\***

Students majoring in Chemistry make on average between \$42,000 and \$47,000 annually.

\*Figured based on figures from NACE

## COURSES TO EXPECT

- Organic Chemistry
- Physical Chemistry
- Chemical and Spectrometric Identification of Organic Compounds
- Quantitative Analysis Laboratory
- Modern Methods of Chemical Analysis

## RESEARCH AND OPPORTUNITIES

- Organic and Medicinal
- Physical and Biophysical
- Environmental Chemistry
- Forensics
- Computational Studies
- ACS Student Affiliates
- Training on state-of-the-art chemical instrumentation
- Teaching Assistantships
- OK-LSAMP Louis Stokes Alliance for Minority Participation Symposium Presentation

## STUDENT INTERNSHIPS

- National Science Foundation - Alexandria, VA
- BioXFEL - Buffalo, NY
- Bayer Pharmaceutical - St. Louis, MO

## GET INVOLVED

Stay active on campus while making lifelong friends. Get involved with groups, such as:

- American Medical Student Association
- Global Medical Brigades
- CAS Ambassadors
- CAS Student Council

## SCHOLARSHIPS

Many scholarships are available for prospective freshmen, transfer students, current students and continuing students. For more scholarship information, please visit [cas.okstate.edu/scholarships](http://cas.okstate.edu/scholarships)

Oklahoma State University  
Office of Undergraduate Admissions

[admissions.okstate.edu](http://admissions.okstate.edu) | 405-744-5358



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