What to do with a degree in...

Chemistry

The undergraduate curriculum includes work in four major chemistry sub-disciplines: analytical, inorganic, organic and physical. Students can earn an ACS-certification or a departmental B.S. degree in Chemistry. We maintain an excellent faculty-to-student ratio which means personalized attention in the advanced courses, access to state of the art instrumentation and the ability to perform cutting edge undergraduate research.

Chemistry majors develop the following skills:

- Knowledge of chemical properties
- Materials and product testing to determine potential concerns, reactions and interventions
- Ability to make critical observations of environmental and chemical interactions
- Awareness and sensitivity to the health and safety of products, materials and environment
- The ability to plan, conduct, document, explain and present scientific research
- Knowledge of laboratory techniques for studying chemical processes and reactions
- Understanding of reactions and interactions of chemicals and chemical products
- The ability to locate and explain potential hazards
- Anticipate potential negative consequences of chemical and environmental incidents and plan for, minimize, and manage the impact of these incidents
- Use analytical thinking to learn to analyze and interpret research findings and other data related to your experiments and lab work

Job and Internship Websites

- American Chemical Society
  http://www.acs.org/content/acs/en/education/students/college/experienceopp.html
- Association of Science - Technology Center
  http://astc.org/profdev/jobs/jobs.htm
- Biospace
  http://www.biospace.com/jobs/homepage/
- Center for Sustainable Materials Chemistry
  http://sustainablematerialschemistry.org/innovation/internships#.UqY-3eKB0S4
- Chemical and Engineering News
  http://chemistryjobs.acs.org/jobs
- Chemistry Jobs
  http://www.chemistryjobs.com/jobseeker/search/results/
- Crime Scene Investigator Network
  http://www.crime-scene-investigator.net/employment.html
- FBI Jobs
  http://www.fbjobs.gov/college/
- Environmental Jobs
  http://www.environmentaljobs.com/
- Jobs in Healthcare, Pharma and Science
  http://medzilla.com/
- National Science Foundation
  http://www.nsf.gov/careers/openings/
- National Institute of Health
  http://www.jobs.nih.gov/vacancies/student/
- New Scientist Jobs
  http://jobs.newscientist.com/jobs/chemistry/
- USA Jobs
  https://www.usajobs.gov/StudentsAndGrads
- U.S. Dept. of Energy: Office of Science
  http://science.energy.gov/

The American Chemical Society – Student Affiliate

A complete list of student clubs and organizations can be found online at: https://campuslink.okstate.edu

College of Arts & Sciences Career Services

213 Life Science East
Tel: 405 744 5658
For appointments and resources: http://cascareers.okstate.edu
Chemistry is the science of matter. Anything that can be touched, tasted, smelled, seen or felt is made of chemicals. Chemists transform the everyday materials into new things that serve new purposes. A bachelor’s degree will qualify you for a laboratory job, which would allow you to run instrumentation and synthesize chemicals. A bachelor’s degree in chemistry or education (with heavy course load of chemistry) is necessary to teach at the K-12 level. In the United States you generally need at least 18 graduate credit hours to teach at the college level (preferably a Ph.D.). A master’s degree in chemistry, chemical engineering, or other field will qualify you for numerous other careers and jobs. A terminal degree, such as a Ph.D. or M.D., leaves the field wide open. Most scientists who design and supervise their own research programs have terminal degrees.

Job Titles

- Crime Lab Analyst
- Medical Technologist
- Quality Control Manager
- Specification Writer
- Pharmaceutical Researcher
- Water Purification Chemist
- Water/waste Plant Manager
- Cooperative Extension Agent
- Environmental Health Specialist
- Agricultural Scientist
- Industrial Hygienist
- Library Science Information
- Science Lab Technician
- Ceramic Engineer
- Veterinarian
- Perfume Chemist
- Chemical Analyst
- Medical Technician
- Chemical Operator
- Atmospheric Chemist
- Government Advisor
- Pollution Control Officer
- Scientific Translator
- Chemical Hazards Manager
- Materials Scientist
- Scientific Computer Programmer
- Water Scientist
- Food and Drug Inspector
- Teacher/Professor
- Occupational Safety Specialist
- Food Scientist
- Forensic Chemist
- Oceanographer
- Technical Writer
- Anesthesiologist
- Hydrogeologist
- Radiologist
- Optometrist
- Biochemist
- Chemist
- Physician
- Scientist
- Pharmacist
- Soil Toxicologist
- Consultant
- Science Writer
- Pharmacologist
- Metallurgist
- Soil Scientist
- Researcher
- Inventor
- Biotechnician
- Agronomist
- Assayer

Career Options:

- Agrochemistry
- Analytical Chemistry
- Astrochemistry
- Atmospheric Chemistry
- Biochemistry
- Biotechnology
- Catalysis
- Chemical Engineering
- Chemical Information Specialist
- Chemical Sales
- Chemical Technology
- Colloid Science
- Consulting
- Consumer Products
- Environmental Chemistry
- Environmental Law
- Ethnobotany
- Food Chemistry
- Forensic Science
- Geochemistry
- Government Policy
- Inorganic Chemistry
- Materials Science
- Medicine
- Metallurgy
- Military Systems
- Oceanography
- Organic Chemistry
- Patent Law
- Pharmaceuticals
- Physical Chemistry
- Polymer Plastics
- R&D Management
- Software Design
- Space Exploration
- Surface Chemistry
- Hazardous Waste
- Management

Types of Employers:

Agricultural Service Firms
Department of Energy
Biotechnical Firms
Chemical Manufacturers
Colleges and Universities
Paper Industry
Environmental Consulting Firms
Plastics Industry
Food Manufacturing Companies
Textile Industry
Petroleum and Natural Gas Industry
Manufacturing
Hospitals/Health Care
Insurance Companies
Laboratories /Research Institutes
Public Health Service
Pharmaceutical Firms
Government Agencies
Paint, Plastic or Coating Companies
OSHA
Agricultural Experiment Stations
EPA
Department of Agriculture
Centers for Disease Control
Food and Drug Administration
Department of Defense
Bulk Commodity Chemical Companies
Personal, household or baby care product companies
National Oceanic and Atmospheric Administration
National Institute of Environmental Health Science
Department of Health and Human Services
Forensic Laboratories/ Police Departments