

Chemistry Major

General Information

By engaging students in the study of Chemistry and in laboratory work we provide a foundation that allows students to excel in a wide variety of chemistry related career paths. Students majoring in chemistry will receive a BS in Chemistry.

Skills Associated with this Major

- Anticipate problems
- Decision making
- Diagnosing
- Information system utilization
- Numeric computation
- Organizing/classifying
- Perceiving cause and effect relationships
- Problem solving
- Reviewing/evaluating
- Screening
- Systematizing/organizing material

Typical Work Activities

- Analyzing composition, studying properties, structure of matter
- Designing and conducting tests and experiments
- Developing and improving production processes and equipment
- Developing new materials and compounds
- Diagnosing and finding solutions to problems via studies and investigation
- Keeping up with developments in the field
- Supervising or managing projects
- Working with the newest technology, systems and work processes

Sample Occupations

(Please ask a career advisor for help in identifying resources for the following occupations. Note that some of these occupations require an advanced degree.)

- Administrative Office
- Alcohol and Tobacco Tax Inspectors/Investigators
- Biochemist
- Chemical Analyst
- Chemical Laboratory Supervisor
- Chemical-Laboratory Technician
- Chemist
- Chemist, Agricultural
- Chemist, Analytical
- Chemist, Clinical
- Chemist, Dye
- Chemist, Food
- Chemist, Glass
- Chemist, Industrial
- Chemist, Inorganic
- Chemist, Leather
- Chemist, Literature Editor
- Chemist, Medical Technologist
- Chemist, Nuclear
- Chemist, Organic
- Chemist, Pharmaceutical

- Chemist, Physical
- Chemist, Polymers
- Chemist, Product Development
- Chemist, Quality Control
- Chemist, Research
- Chemist, Soil
- Chemist, Textile
- Combustion Engineer
- Customer Relations Manager
- Dentist
- Electron Microscopist
- EPR Technician
- ESR Technician
- Facilities Manager
- Food and Drug Inspector
- Genetic Counselor
- Geochemist
- Hematology Technologist
- Industrial Engineer
- Industrial Hygienist
- Laboratory Assistant
- Laboratory Instructor
- Laboratory Supervisor
- Laboratory Tester
- Manufacturers Representative
- Market Research Analyst
- Medical Doctor
- Medical Technician
- Microbiologist
- Museum Technician
- Narcotics Investigator
- Operations Manager
- Packaging Manager
- Patent Examiner
- Pharmaceutical Sales Representative
- Pharmacist
- Physician's Assistant
- Plant Protection Inspector
- Private Business Owner
- Process Engineer
- Production Engineer
- Production Manager
- Purchasing Agent
- Quality Control Engineer
- Quality Control Supervisor
- Quality Control Technician
- Radiologist
- Sanitarian
- Supervisor, Publication
- Teacher, College/University
- Teacher, Elementary School
- Teacher, Secondary School
- Technical Library Operations
- Technical Writer
- Toxicologist
- Translator, Scientific Documents
- Veterinarian
- Water Purification Chemist

Sample Occupational Settings

- Aerospace and Components Firms
- Agencies/Departments
- Agricultural/Conservation Organizations
- Airlines
- Atomic Energy Firms
- Beverage Processing Companies
- Drug, Chemical and Pharmaceutical Companies
- Educational Institutions
- Electric Light and Power Services
- Electronics and Instruments Stores
- Engineering Firms
- Environmental Protection Agency
- Equipment Companies: Automotive
- Equipment Companies: Electrical
- Equipment Companies: Industrial
- Equipment Companies: Mechanical
- Equipment Companies: Photographic
- Food Processing Companies
- Forestry Centers
- Fuels and Fuel Dealerships
- Furniture Companies
- Glass Production Companies

- Hospitals
- Leather Products
- Manufacturing/Processing Companies
- Medical Laboratories
- Medical Services
- Medical/Technical Libraries
- Metal and Mineral Products Companies
- Mining Companies
- National Careers Institute
- Paper Companies
- Petroleum and Coal Firms
- Pipe Line Transportation Companies
- Professional and Technical Journals
- Public Health Services
- Publishing Companies
- Recreational Facilities
- Research and Consulting Organizations
- Shipping, Water and Transportation Companies
- Social Security Administration
- Telephone and Telegraph Services
- Television
- Tire and Rubber Companies
- Tobacco Companies
- U.S. Department of Commerce
- U.S. Department of Defense
- U.S. Department of Health and Human Services
- U.S. Department of Interior
- U.S. Department of Labor
- U.S. Food and Drug Administration
- U.S. Veterans Administration
- Utilities

Job and Internship Search Links

Agricultural Biotech Chemical Job List

<http://www.nationjob.com/ag>

Biotechnology jobs and information

www.bioview.com

Job Spectrum from the American Chemical Society

www.cen-chemjobs.org

ChemJobs.net

www.chemjobs.net

Chemistry Jobs

www.chemistryjobs.com

Nature

www.nature.com/naturejobs

Pfizer Chemistry Internships

<http://www.pfizer.com>

Career Planning Links

American Association for Clinical Chemistry

<http://aacc.jobcontrolcenter.com/search.cfm>

Chemist (Occupational Outlook Handbook)

<http://stats.bls.gov/oco/ocos049.htm>

iHireChemists.com

<http://www.ihirechemists.com>

Organic Chemistry Jobs Worldwide

<http://www.organicworldwide.net/jobs/>

Royal Society of Chemistry

<http://www.rsc.org/chemistryworld/careers/jobsearch.cfm>

Professional Association Links

American Academy of Forensic Sciences

<http://www.aafs.org>

American Chemical Society

<http://www.chemistry.org/portal/a/c/s/1/professionals.html>

American Institute of Chemical Engineers

<http://www.aiche.org>

American Institute of Chemists

<http://www.theaic.org>

American Society of Crime Laboratory Directors

<http://www.asclcd.org>

Chem Web: searchable database and publications for students

<http://chemweb.com/jobs>

Forensic Chemistry Network

<http://www.geocities.com/CapeCanaveral/4329/>

Royal Society of Chemistry's Chemical Science Network

www.chemsoc.org