CAREER OPPORTUNITIES FOR CHEMISTRY MAJORS

SKILLS & ABILITIES OF THE CHEMISTRY MAJOR

Investigation
- Remaining objective
- Reviewing relevant data
- Applying concepts
- Utilizing formulas
- Gathering information
- Observing carefully
- Asking questions
- Designing experiments
- Applying knowledge creatively

Technical
- Maintaining precision and accuracy
- Solving quantitative problems
- Calculating
- Tabulating data
- Sampling for surveys
- Using laboratory equipment
- Processing data

Communication
- Organizing and reporting data
- Writing for technical and non-technical audiences
- Informing and explaining
- Designing charts/graphs
- Reporting results and conclusions orally and in writing

Analysis
- Summarizing research findings
- Attending to details
- Analyzing data
- Testing hypotheses
- Clarifying problems
- Identifying relationships between problems/solutions
- Reasoning by analogy
- Perceiving patterns/structures
- Applying logic to problems
- Evaluating data and results

POTENTIAL CAREERS

Government
- Regulatory Chemist*
- Safety Inspector
- Agronomist*
- County Health Department Inspector
- Superfund Quality Assurance Manager
- Federal Drug Administration Inspector
- Wastewater Treatment System Supervisor
- Occupational Safety and Health Administration Enforcement Agent

Industry
- Certified Hazardous Materials Manager*

- Pharmaceutical Research Chemist*
- Application Chemist
- Industrial Hygienist
- Patent Lawyer*
- Chemical Information Specialist*
- Market Research Analyst
- Sales Manager
- Textile Dyes Analyst
- Environmental Compliance Officer
- Research Scientist*
- Polymer Chemist*
- Analytical Chemist
• Chemical Salesperson
• Chemical Engineer*

**Chemical Salesperson**
• Chemical Engineer*

**Chemical Engineer**

Medicine and Health
• Primary Care Physician*
• Toxicologist*
• Environmental Risk Assessor
• Radiation Health Specialist
• Nurse Anesthetist*
• Pathologist*
• Medical Examiner*
• Serologist*
• Dentist*
• Pharmacist*
• Food Scientist/Technologist
• Life Scientist*

**Primary Care Physician**

**Toxicologist**

**Environmental Risk Assessor**

**Radiation Health Specialist**

**Nurse Anesthetist**

**Pathologist**

**Medical Examiner**

**Serologist**

**Dentist**

**Pharmacist**

**Food Scientist/Technologist**

**Life Scientist**

**Education and Training**
• Professor*
• Science Teacher
• Scientific Editor
• Program Director, Professional Society
• Museum Education Programs Coordinator
• Laboratory Manager
• Technical Writer

* Additional graduate study is generally expected for those occupations marked with an * on the above list.

**ADDITIONAL RESOURCES**
• Xavier University Chemistry Department
• National Science Foundation
• American Chemical Society
• O*NET OnLine has detailed descriptions of the world of work

Sources: University of Kansas University Career Center, The College Majors Handbook (Fogg, Harrington, & Harrington, 2012)