

## **Chemistry**

### **Transferable Skills**

A liberal arts degree in general, reflects a comprehensive education emphasizing analytical skills, critical thinking and communication skills; abilities in high demand for all employers. Concentrating your studies in a major allows you to also gain specific transferable skills of interest to particular employers and industries.

Graduates with a major in Chemistry are attractive to employers due to their abilities in the following areas:

- Ability to analyze cause and effects
- Ability to conduct scientific research
- Ability to gather and tabulate data
- Ability to maintain accurate records
- Ability to operate scientific equipment
- Ability to make critical observations and evaluations
- Ability to observe and analyze introspectively
- Ability to organize and memorize detailed information
- Ability to organize, conduct and explain research
- Ability to practice/concentrate for long periods of time
- Proficiency in analytical reasoning
- Ability to summarize and solve complicated material
- Strong mathematical background
- Good vision, spatial and manual dexterity
- Ability to organize, analyze and interpret scientific data
- Strong mathematical and numerical ability
- Ability to think logically and critically and make analogies
- Design and complete in-depth projects
- Knowledge of dissection and laboratory techniques
- Presenting and writing proposals and reports
- Testing ideas and hypotheses
- Analytical and problem-solving skills: finding solutions to qualitative and quantitative problems; examining and interpreting results;
- Time management: planning and executing experiments; undertaking individual and team project work; completing your dissertation
- Communication: sharing your research findings via written reports and oral presentations to different audiences; assimilating scientific theories and arguments for discussion and debate;
- IT and technology: understanding and using computer software/models; processing data.

### **Range of Example Positions held by Chemistry Majors**

- Science Journalist
- Basic Research
- Drug Manufacturing
- Environmental Protection
- Food Researcher
- Forensic Chemistry
- Instrumentation
- Petroleum Researcher
- Teaching
- Textiles Researcher

### **Professional Associations**

Professional associations or organizations can be a great way to meet, learn from and network with professionals in your field of interest. Inexpensive student memberships are often available. These are only a sampling of professional associations. Be sure to search for others that may be applicable or helpful.

- [American Chemical Society](#)
- [American Association for Clinical Chemistry](#)

- [American Association of Pharmaceutical Sciences](#)
- [American Institute of Chemists](#)
- [American Society for Biochemistry and Molecular Biology](#)
- [Society of Chemical Industry](#)