

What can I do with a major in...

Chemistry

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GENERAL DESCRIPTION

Chemists study the structure and composition of matter, the ways in which it is changed and transformed, and the natural laws that describe these changes. Their varied activities include the creation of products as diverse as drugs and plastics, as well as the application of chemical principles to fields such as nutrition, genetics, and environmental protection.

About three-fourths of all chemists are employed by private industry, and the majority of them are engaged in research and development. Graduates with a bachelor's degree usually find beginning jobs in analysis and testing, technical sales, quality control, or high school teaching. Graduate training is generally required for positions in research or college teaching.

The job titles and hiring institutions which follow are meant to give you an idea of the careers available to chemistry majors, however many other possibilities also exist. You are encouraged to explore all career paths that interest you.

POTENTIAL JOB TITLES

Biochemist	Entomologist	Oceanographer
Chemical engineer	Environmental analyst/technician	Patent attorney
Chemical process supervisor	EPA inspector	Pharmacist
Chemical plant and systems operator	Food and drug inspector	Pharmacologist
Chemical technician chemist (analytical, quality control, research and development)	Forensic chemist	Physician
Clinical specialist	Hospital administrator	Production manager
Crime lab analyst	Industrial health engineer	Public health educator
Dentist	Laboratory technician	Sales representative (chemicals/drugs)
Dietitian	Life, physical & social science technicians	Scientific photographer
Editor/Writer (technical & scientific publications)	Manager (industrial organization)	Teacher
	Medical illustrator	Tissue technologist
	Medical librarian	Toxicologist
	Medical technologist	Vector control assistant
	Natural science managers	Water purification chemist

REPRESENTATIVE HIRING INSTITUTIONS

Engineering firms	Hospitals
Environmental firms	Manufacturing & processing firms
<i>Government agencies:</i>	Medical/technical libraries
Department of Agriculture	Museums (art & collection conservation)
Department of Defense	Pharmaceutical sales
Department of Energy	Physicians' offices, medical clinics & lab
Department of Health & Human Services	Professional & technical journals
Department of the Interior	Research & development firms
Department of Justice (FBI)	Universities, colleges, & schools
Drug Enforcement Administration (DEA)	Utilities companies
Environmental Protection Agency	

WHERE DO UMW CHEMISTRY MAJORS GO?

EMPLOYERS/INTERNSHIP SITES

- Consultants Plus, Inc.
- Mary Washington Hospital
- FBI Laboratory - Chemist Unit
- Patton Harris Rust & Associates
- North Anna Power Station

GRADUATE SCHOOLS

- Penn State, M.S. in Environmental Engineering
- Saint John's University, Master of Science in Pharmacy
- University of California, Berkeley, Ph.D. in Physical, Inorganic and Electro- Chemistry
- University of North Carolina at Chapel Hill, Ph.D. in Analytical Chemistry

FOR MORE INFORMATION CONTACT

1. American Chemical Society: www.chemistry.org
OR cen-chemjobs.org/
2. The American Institute of Chemists: www.theaic.org
3. American Society for Clinical Laboratory Science
www.ascls.org

**The Office of Career Services also maintains a resource library with a variety of books and other printed material where students can access additional information about their major or field of interest. Visit us in Lee Hall, Room 308 to learn more.*