CHEMISTRY What can I do with this degree?

AREAS	EMPLOYERS	STRATEGIES
ANALYTICAL Research Development Analysis and Testing Consulting Environmental Forensics	 Federal, state, and local government Federal agencies including National Aeronautics and Space Administration Manufacturing firms including textile, petroleum, food, electronics, glass, paper, packaging, machinery, cosmetics, paint, drug, and chemical industries Industrial production and inspection agencies Research laboratories and organizations Environmental protection organizations Colleges and universities 	Learn federal, state, and local government job application process. Gain experience in a laboratory. Become proficient with high-tech scientific equipment. Take electives in your area of interest.
BIOCHEMICAL Research Development Analysis and Testing Consulting Quality Control Medical Environmental Industrial Health & Safety Hospital Administration	Research laboratories and organizations Pharmaceutical and medical research firms Biotechnology firms Plant and animal breeders and growers Food processors Industrial production and inspection agencies Environmental protection organizations Federal, state and local government, such as the Centers for Disease Control Colleges and universities	Take additional courses in biology, biochemistry, molecular biology, genetics, cytology, and physiology.
ORGANIC Research Development Analysis and Testing Quality Control	Industries related to petroleum, coal, wood products, plastics, textiles, and food Manufacturing firms developing new synthetic materials and new production processes	Gain additional laboratory and research experience through internships and summer jobs.

Research organizations Federal and state government Colleges and universities

Consulting

AREAS	EMPLOYERS	STRATEGIES
GEOCHEMISTY Environmental Remediation Research & Development Analysis & Testing	Environmental organizatoins Water processing plants Natural resources organizations	Take Geology & Environmental Science electives.
INORGANIC Research Analysis and Testing Quality Control Consulting	Research laboratories and organizations Industries involved in mining, electronics, and synthetic materials Federal and state government Colleges and universities	Choose appropriate coursework to specialize in an area. Develop additional laboratory skills and experience.
POLYMER CHEMISTRY Research & Development Analysis & Testing	Industrial & commercial organizations such as textiles and plastics	Gain research experience.
PHYSICAL Research Development Analysis and Testing Quality Control Consulting	Research laboratories and organizations Industries involving electrical, nuclear, gas, heat, or light energy Federal government Colleges and universities	Take related courses in social sciences and economics. Obtain strong mathematical background.
EDUCATION Teaching Research Administration	Private and public secondary schools Colleges and universities	Obtain certification/licensing for teaching in public schools. Acquire a master's degree for community college teaching and a Ph.D. for colleges and universi- ties.
BUSINESS Technical Sales/Marketing Pharmaceutical Sales Management Banking/Finance Advertising/Public Relations Consulting Industrial Quality Control Research & Development	Manufacturing firms Drug stores Medical/Pharmaceutical supply companies Industries including textiles, petroleum, food, electronics, glass, paper, packaging, machinery, cosmetics, paint, drugs, and chemicals. Agricultural product companies Environmental management organizations Waste management firms	 Take courses in public speaking. Obtain a minor in business. Develop strong verbal and written communication, interpersonal, and organizational skills. Hold leadership positions in campus organizations. Join related student organizations, e.g., American Marketing Association, Financial Management Association, Public Relations Student Society of America, etc.

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AREAS	EMPLOYERS	STRATEGIES
TECHNICAL WRITING Proposals Specification Manuals Writing Editing	Research product development departments and organizations Publishing firms including books, scientific and research journals, technical press, large newspapers, and wire services	Take advanced technical writing courses. Become proficient with word processing and desktop publishing.
LAW Patent Agents Patent Attorneys Legislator/Lobbyist	Manufacturing firms Research and development firms Law firms Private practice Environmental agencies	Obtain law degree to become an attorney.
INFORMATION SPECIALISTS/TECHNICAL LI- BRARIES	Special libraries Research organizations Colleges and universities Large manufacturing firms, especially chemicals and pharmaceuticals	Obtain master's degree in library and information science. Develop computer retrieval skills. Join Special Libraries Association, Chemistry Division.
GENERAL INFORMATION Undergraduate degree sufficient for entry-level	 Develop strong computer, mathematics and 	 Postdoctoral experience is preferred for research
positions such as lab coordinator, research assistant, product testing or analysis,	 science skills/knowledge. Obtain part-time, volunteer, co-op, internship, or 	positions in industry, universities and

- Master's degree sufficient for most applied research positions, industrial work, and some community college teaching.
- Ph.D. degree required for university teaching and advanced positions in management and research and development.

technical sales, or service representative.

• Advanced degrees help speed career advancement.

- Obtain part-time, volunteer, co-op, internship, or summer experience.
- Obtain practical experience using various laboratory equipment and high-tech scientific equipment and data.
- Maintain excellent grades.
- Complete an undergraduate research project.

- government.
- Consider electives in computer science, engineering, business, public speaking, and writing.
- Join related student professional organizations. •
- Read related professional magazines and • literature.