Biochemistry

Typical Career Fields:

Research (projected growth 5% - 8%)
- Basic Research
- Applied Research
- Grant Writing
- Administration

Healthcare (projected growth 8%)
- Medicine
- Dentistry
- Optometry
- Podiatry

Specialization:
- Healthcare,
- Pharmacology,
- Environmental,
- Agricultural, Food science, Cosmeceutical,
- Forensic

Grant Writing

Administration

Other Professional Opportunities (projected growth 1%)
- Sales/Marketing
- Technical Writing
- Scientific Journalism
- Scientific Illustration
- Regulatory Affairs

Pharmacy
- Chiropracty
- Veterinary Medicine
- Occupational Therapy

Administration/Management

Scientific/Technical Recruiting

Healthcare
- Physical Therapy
- Public Health

Other Professional Opportunities
- Intellectual Property/Patent Law
- Bioinformatics

Teaching (projected growth 14% or higher)
- Elementary
- Secondary

Post-secondary

Non-classroom settings

= Bright Outlook

Source: O*NET

Top Ten Career Fields Chosen by ESU Biochemistry Grads: (Source: Linkedin)

Where Our Grads Go (top ten)
- Univ. of Kansas Medical Center
- Wichita Public Schools
- GE Healthcare
- ICL-Performance Products LP
- Wolf Creek Nuclear Operating
- Johnson and Johnson
- Maize USD 266
- Cardinal Health Regulatory Sciences
- Mars
- AstraZeneca

View a list of required courses for this major at http://www.emporia.edu/sac/list-of-majors.html.

Career Services career@emporia.edu 620-341-5407
www.emporia.edu/careerservices

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Biochemistry Majors
Strategies on how to become more marketable at graduation

Research (Basic Research, Applied Research, Grant Writing, Administration, Environmental Testing, Food Science)
- As a bachelor’s degree, you are qualified for laboratory technician or research assistant positions.
- Choose courses with laboratory components to build experimental and instrumentation skills.
- Gain experience in area of interest through internships, research with professors and a senior research project.
- Take a course in grant writing.
- Earn a master’s degree in biochemistry for advanced positions.

Teaching (Elementary, Secondary, Post-secondary, Non-classroom setting)
- Develop excellent communication skills
- Volunteer with and/or tutor target age groups.
- Complete an accredited education program for certification in biology and or chemistry.
- Earn a master’s degree for teaching at some two year colleges.
- Prepare to attend graduate school by maintaining a high grade point average and securing strong faculty recommendations.

Healthcare (Medicine, Dentistry, Optometry, Podiatry, Veterinary, Chiropracty, Occupational Therapy, Public Health)
- Plan on attending medical school or other related graduate program.
- Maintain an outstanding grade point average, particularly in the sciences.
- Meet with a pre-health advisor periodically.
- Join related student organizations and demonstrate leadership abilities.
- Volunteer to work in a hospital or healthcare setting.
- Secure strong faculty recommendations.
- Research all of the various fields within medicine to determine career goals.

Other Professional Opportunities (Sales/Marketing, Technical Writing, Scientific Journalism, Regulatory Affairs, Bioinformatics, Scientific/Technical Recruiting)
- Supplement biochemistry degree with coursework in chosen field.
- Gain sales experience through internships, part-time work or summer jobs for sales positions.
- Take business and/or computer classes.
- Get experiences writing for the school newspaper.
- Obtain an MBA or Ph.D. to reach high levels of administration.
- To pursue a J.D., participate in mock trial and pre-law associations, learn law school admissions process.