

Biochemistry

Typical Career Fields:

Research (projected growth 5% - 8%)

- Basic Research
- Applied Research
- Grant Writing
- Administration
- Specialization: Healthcare, Pharmacology, Environmental,
- Agricultural, Food science, Cosmeceutical, Forensic

Healthcare (projected growth 8%)

- Medicine
- Dentistry
- Optometry
- Podiatry
- Pharmacy
- Chiropractic
- Veterinary Medicine
- Occupational Therapy
- Physical Therapy
- Public Health

Other Professional Opportunities (projected growth 1%)

- Sales/Marketing
- Technical Writing
- Scientific Journalism
- Scientific Illustration
- Regulatory Affairs
- Administration/Management
- Scientific/Technical Recruiting
- Intellectual Property/Patent Law
- Bioinformatics

Teaching (projected growth 14% or higher)

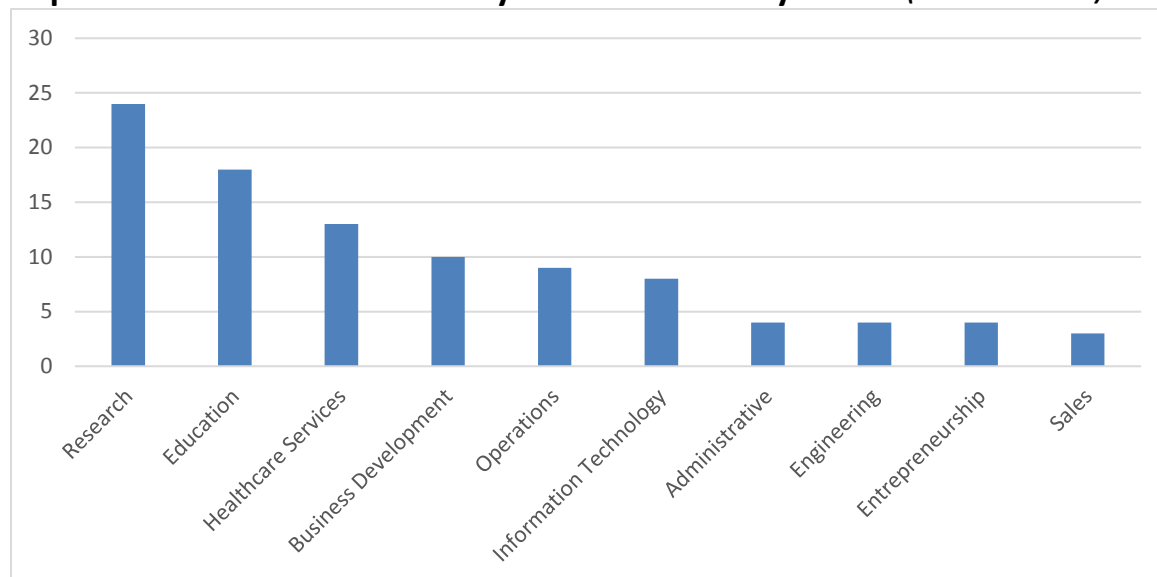
- Elementary
- Secondary
- Post-secondary
- Non-classroom settings



= 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

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, Chiropractic, 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.