



Wells College

Name: _____

Advisor: _____

Graduation Year: _____

Biochemistry and Molecular Biology Major

Bachelor of Arts

Bachelor of Science

The number of courses required for the major is 17 (63-67 semester hours); at least 6 of these courses (18 semester hours) are at the 300-level or above.

Requirements:

All of the following (57-59 sem. hrs.)

- | | | |
|--------------------------|-------------|--|
| <input type="checkbox"/> | BCS 290/390 | Internship in the Biological & Chemical Sciences (2-4 sem. hrs.) |
| <input type="checkbox"/> | BCS 403 | Senior Seminar in the Biological and Chemical Sciences (4 sem. hrs.) |
| <input type="checkbox"/> | BIOL 114L | Anatomy and Physiology I (4 sem. hrs.) |
| <input type="checkbox"/> | BIOL 130L | Biology of Organisms (4 sem. hrs.) |
| <input type="checkbox"/> | BIOL 226L | Genetics (4 sem. hrs.) |
| <input type="checkbox"/> | BIOL 312L | Molecular Biology (4 sem. hrs.) |
| <input type="checkbox"/> | CHEM 107L | General Chemistry (4 sem. hrs.) |
| <input type="checkbox"/> | CHEM 108L | Chemical Analysis (4 sem. hrs.) |
| <input type="checkbox"/> | CHEM 213L | Organic Chemistry I (4 sem. hrs.) |
| <input type="checkbox"/> | CHEM 214L | Organic Chemistry II (4 sem. hrs.) |
| <input type="checkbox"/> | CHEM 301 | Physical Chemistry (3 sem. hrs.) |
| <input type="checkbox"/> | CHEM 323L | Biochemistry (4 sem. hrs.) |
| <input type="checkbox"/> | CHEM 326L | Biochemical Pathways (4 sem. hrs.) |
| <input type="checkbox"/> | MATH 111 | Calculus I: Introduction to Calculus (4 sem. hrs.) |
| <input type="checkbox"/> | PHYS 111L | Fundamentals of Physics I (4 sem. hrs.) |

One additional 300-level course in chemistry (3-4 sem. hrs.)

One additional 300-level course in biology (3-4 sem. hrs.)

What can I do with this major?

See below for examples of what you can do with a Biochemistry and Molecular Biology major after graduation!

For more information, see the full results at <http://whatcanidowiththismajor.com/major/>

Areas of Employment

- Medicine
- Dentistry
- Chiropractic
- Phlebotomist
- Pharmacy
- Veterinary Medicine
- Medical Technology
- Industry
- Basic Research
- Applied Research
- Science Writing
- Administration

Possible Employers

- University Labs
- Federal Labs
- Private Labs
- Health Departments
- Biotechnology Industries
- Hospitals
- Health Networks
- Nursing Homes
- Pharmaceutical and chemical companies
- Hospital Laboratories
- Commercial Medical Labs
- Large corporations
- Colleges or universities

General Tips

- A bachelor's degree will qualify one for work as a laboratory assistant, technician, technologist, or research assistant in education, industry, government, museums, parks, and gardens.
- Biochemists are typically curious and creative with strong observational and analytical skills as well as the ability to persevere through lengthy research projects. They demonstrate competence in laboratory methods, computer science, and mathematics.
- As an undergraduate, seek laboratory experiences such as research projects, volunteering with professors, summer jobs, or internships.