

Department of Biology

As a biology student at William Jewell, you learn through hands-on investigative experiences in small classes and state-of-the-art laboratories. From your very first course, the learning is hands-on and investigative, connecting our excellent facilities and equipment with our committed and involved faculty. Our faculty—not graduate students—teach your major courses. Throughout your undergraduate career, you are a partner with other students and the faculty in a vital learning community.

Degree Programs Offered

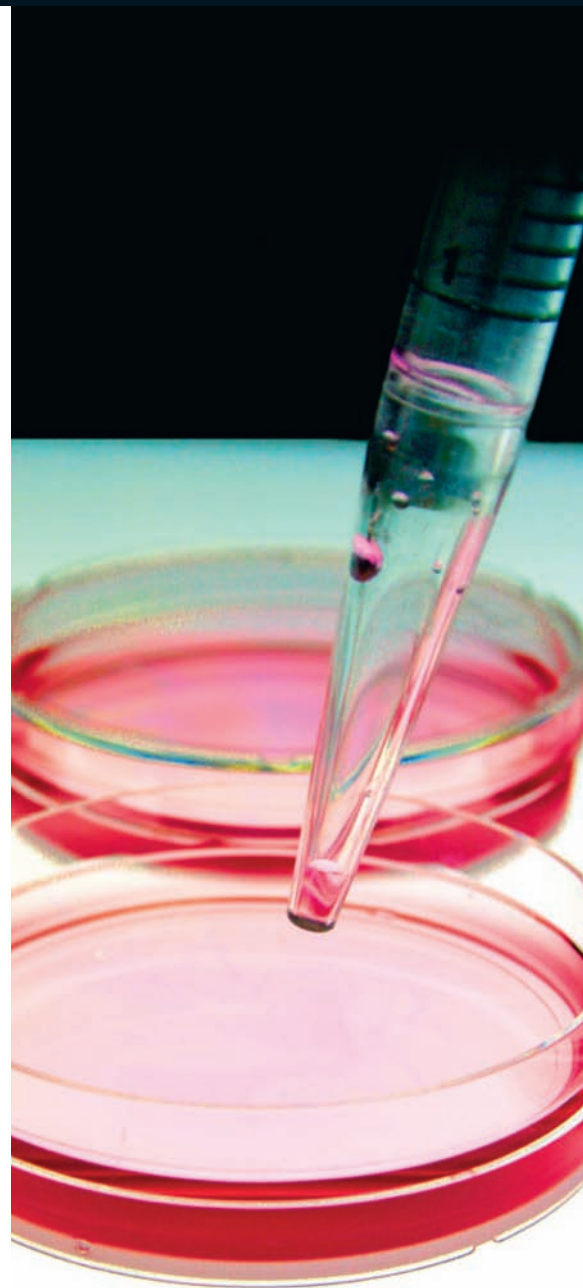
The Department of Biology offers six majors: biology, biochemistry, bioethics, clinical laboratory science, Oxbridge: Molecular Biology, and science & technology management. The major in biology leads to a Bachelor of Arts degree.

Students majoring in biology may receive certification to teach biology in grades 9-12 in the state of Missouri by double-majoring in biology and secondary education. Procedures to be followed in obtaining teacher certification are included in the Student Handbook for Teacher Certification. Specific course requirements for all certification programs are available in the Education Department.

Within an ethical framework that recognizes the important role of science in society, William Jewell College helps biology majors to:

- Understand major concepts in biology;
- Critically evaluate information both logically and quantitatively;
- Conduct research; and
- Communicate scientific information to a diverse audience.

See back panel





About the Major

The biology curriculum is structured so you begin with a broad overview of the discipline in the first year, with emphasis on the major unifying themes in biology. During your first year, you are introduced to investigative laboratories that stress that science is curiosity-driven, rather than goal-driven. You will also begin to learn the skills and tools utilized in lab and field experiments, with more sophisticated techniques and instruments added as you progress through the curriculum.

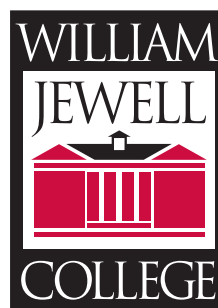
During your junior year, you might choose to study science at Cambridge University or in New Zealand or Australia.

An independent research project, the Senior Thesis, is the capstone of your biology education. This is when you will integrate and utilize all the learning and skills acquired during your four years of study. The Senior Thesis, undertaken in collaboration with a member of the faculty, culminates with a written scientific paper and an oral presentation to the William Jewell College community.

With over 13,000 square feet of laboratory space, including a 510-square-foot greenhouse, the White Science Center offers a modern, well-equipped environment in which to study biology. Classrooms are designed for small classes and close interaction between students and faculty. Teaching labs are designed for collaborative research projects between students and faculty.

Upon completion of the biology major, a student will have been exposed to a broad biology background while having had the opportunity to explore specific areas of interest. A degree in biology will allow a student to pursue careers in education, research, medicine, biotechnology, conservation, and industry either through immediate entry into the career or further study at the graduate level.

The department also offers opportunities for study outside the traditional major. Those interested in careers in health-related fields may add a concentration in pre-physical therapy or pre-medicine or earn a B.S. degree in clinical laboratory science. For those interested in applied professions relating to the environment, William Jewell offers a three-two program with Duke University leading to a Master of Forestry degree or a Master of Environmental Management degree. Applicants for this liberal arts/environment program should indicate their intentions at the time of enrollment. Further details of the program are available in the pre-professional section of the William Jewell College Catalog.



For more information or to schedule a visit, call us toll-free at 1-888-253-9355

www.jewell.edu