



Central to Exploring the Natural World.

Central's BS in Biology prepares students to understand and interpret the living world to achieve success in careers in biological sciences, including the health sciences. Students pursue one of six fields of study that equips them with the knowledge and skills needed to pursue a career or further their education.

Graduates are required to conduct a student-centered research project with a Biology faculty member or to participate in an internship with an appropriate off-campus organization, many students do both.



DID YOU KNOW?

Central has the largest Science Department in the CCSU system. Because of this we can offer a wider variety of courses, degree programs, and research opportunities to fit the interests and aspirations of students wanting to become professional biologists.

Program Features

- Attend full- or part-time
- Small class sizes with hands-on, student-centered learning
- State-of-the-art laboratories using modern equipment in areas ranging from molecular biology, epigenetics, neurobiology, plant & algal culture, microscopy, water quality measurement, and wildlife management & conservation biology
- Classes taught by Biology faculty, not teaching assistants
- Excellent preparation for further study in medical, dental, veterinarian, and physicians' assistant programs
- Student-centered research results presented at local, regional, or national conferences
- Research results may be published with mentoring faculty member
- Financial aid and scholarships available
- Free on-campus child care available



Program Options

- **BS in Biology: General Biology** - Guides students through the complete study of life, from molecules to ecosystems. Students acquire a deeper understanding of basic biological concepts, which fosters an appreciation of the diversity of life and the processes by which life has evolved.
- **BS in Biology: Human Biology** - Allows students to focus their studies on the human body. This includes human anatomy and physiology, human reproduction and development, human nutrition and metabolism, human disease, and various areas of human systems biology such as neurology and endocrinology. The requirement for related science courses (math, chemistry, and physics) is appropriate for those preparing to apply to professional healthcare programs such as medical, dental, and pharmaceutical programs.
- **BS in Biology: Environmental Science** - Takes a multidisciplinary approach to environmental science based on a strong core in the biological sciences. The program provides students with a foundation in organismal biology, ecology, environmental chemistry, earth science, and environmental management. With strengths in freshwater and marine ecology, water pollution, and plant and animal organismal biology, the program prepares students for careers in environmental science and natural resource management with government agencies, non-governmental organizations, and the environmental management industry, and for graduate studies in these areas.
- **BS in Biology: Ecology, Biodiversity, and Evolutionary Biology** - Students develop an understanding of the processes that influence relationships among organisms and their interactions with their environments through regular coursework and individual research projects. Students prepare for careers with government agencies, such as conservation, fisheries, wildlife management, and forestry departments, as well as non-governmental organizations, environmental education groups, and the environmental industry. In addition, students are prepared for graduate studies in fields like ecology, evolution, animal behavior, natural resource management, or marine and aquatic biology.

Program Options Continued

- **BSEd in Elementary Education: General Science: Biology** - Guides students through the complete study of life, from molecules to ecosystems. Students acquire a deeper understanding of basic biological concepts, which fosters an appreciation of the diversity of life and the processes by which life has evolved.
- **BSEd in Biology (Secondary Education)** - Develops graduates who wish to teach biology at the secondary level. The program includes consideration of all major concepts and areas of biology. Within some of the areas, students may select different courses to build on knowledge gained in their first and second years of study. Students are continuously encouraged to see connections in biological events from the standpoint of all sciences. The specialization also includes a professional education component. Because of the breadth of required courses, it is also possible for students in secondary education to enter a variety of other careers in research, health, and industry, as well as graduate study.

Clubs

The Biology Club promotes interest in biological sciences by planning field trips, inviting guest speakers, and obtaining sources of vocational information.

Career Outlook

Central graduates with a BS in Biology enter careers in occupations like biologist, botanist, dentist, ecologist, forester, high school biology teacher, marine biologist, medical doctor, pharmacologist, physician assistant, research associate, veterinarian, and more.



PROGRAM WEBSITE

ABOUT CENTRAL:

Central Connecticut State University is the largest university within the Connecticut State Colleges and Universities system. Founded in 1849, Central is also the state's oldest publicly funded university. Our campus is located in New Britain, Connecticut. Central is accredited by the New England Commission of Higher Education (NECHE).

