

Concentrations

- Ecological Science
- Traditional Biology

About the Major

The Department of Biology offers a broad spectrum of courses from anatomy and physiology to virology. These courses **prepare students for professional training, graduate study, careers in biological research, and teaching.** Class sizes are small and faculty members are committed to providing personal attention to assist students in achieving their career goals.

The courses in the biology programs bring students into teaching laboratories to **work with research equipment** and **receive individualized instruction from faculty.** Junior and senior biology majors often complete internships in which they participate in the design, conducting, and reporting on a research project. Many of these projects are done at one of several national research laboratories located near Shepherd University; others are done with faculty in a campus laboratory.

Careers

Graduates of our biology programs have **a wide range of professional opportunities:**

- Professional Schools: dentistry, medicine, physical therapy, physician's assistant, and others.
- Graduate Schools: all fields of biology from bioinformatics to ecology to molecular biology to physiology.
- Industries: agriculture, biotechnology, environmental science, medicine, pharmaceutical, conservation, and others.

Get Involved

[Beta Beta Beta National Biological Honor Society](#)

Beta Beta Beta National Biological Honor Society is an opportunity for those enthusiastic about biology to come together to serve the community, study, and form professional relationships.

Points of Pride

- Alumni of the program have entered **professional schools**, such as Johns Hopkins Hospital, Mount Sinai Health System, and various institutions in West Virginia and across the nation; pursued **a doctoral degree** in a field of biology; or became **a biology educator** in West Virginia and neighboring state high schools.

- Students have the **opportunity to conduct research projects** under the supervision of faculty advisors and to present their research results at **state, regional, and national conferences.** The research projects are supported by grant programs such as West Virginia IDEa Network of Biomedical Research Excellence (WV INBRE) and SOARS Program.



- Our **sustainability site** features renewable energy technologies, sustainable vegetable and aquaculture production, and green transportation and serves as an outdoor classroom and learning laboratory for our students.



- Courses offer **hands-on experience** with sophisticated modern instrumentation.



Students of general ecology class spent time tracking a squirrel by its radio collar.



Biology students will have a first-hand experience of examining a human brain.

Contact

For more information about the program, contact:

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Visit:

www.shepherd.edu/biology

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