

BIOLOGY

West Virginia Wesleyan College's Biology program is designed to help you develop the knowledge and skills you need to pursue a successful career in the biological sciences, medicine, or other health sciences. The curriculum emphasizes observation and experimentation in the field and laboratory. You'll learn about biology, experimental design, data analysis and scientific reasoning through experience and interaction as well as through lecture, from faculty who are dedicated to your academic success. Learning doesn't stop when you leave the classroom or teaching laboratory. Take advantage of the opportunity to do research in cancer biology, microbiology, environmental science, plant population biology, or animal behavior. Career-related internships will allow you to explore career options in depth. May Term trips to the Amazon and elsewhere allow you to experience tropical ecology and other cultures first-hand. For those who are interested in specialization, we offer concentrations in molecular biology and ecology/environmental science, in addition to the basic biology degree. For talented students with an interest in research, we offer a "special honors" designation to acknowledge strong academic performance that includes independent research.



Learning to think like a biologist is a creative and fascinating process. Biology faculty and staff will work with you to meet the learning goals of the Biology program. By the time you graduate, you'll be able to:

- 1) demonstrate your knowledge of cell biology, physiology, genetics, ecology, evolution, and systematics;
- 2) design and conduct experiments, analyze data, and place your conclusions in a larger scientific context;
- 3) communicate scientific information effectively, both in writing and orally;
- 4) analyze and discuss current scientific literature; and
- 5) work effectively in groups to investigate research questions and solve problems.

The David E. Reemsnyder Research Center

The recent addition to Christopher Hall of Science provides state-of-the-art teaching and student-faculty research labs, as well as specialized support facilities, including a fully-equipped GIS computer lab for teaching and research in environmental science, a tissue culture facility, a microscopy/imaging lab, and an animal care facility that includes an observation aviary.

Find out more about us and see pictures of the Reemsnyder Center during construction at our Facebook page:

WVWC Biology and Environmental Science



What Can I Do With a Degree in Biology?

Wesleyan's strong Biology program, offered in a liberal arts environment, provides a solid foundation for a variety of careers. Many of WVWC's Biology majors go to medical school, dental school, pharmacy school, veterinary school, or other graduate programs in the health sciences. Others enroll in Master's or Doctoral programs in the biological sciences. Over 60% of our graduating seniors enter graduate or professional schools. Still others seek employment immediately after graduation, obtaining positions as diverse as research laboratory technician, pharmaceutical sales manager, wildlife manager, environmental consultant, and high school teacher.

Internships and Research

Career-related internships

- St. Joseph's Hospital
- Sports medicine/orthopedics clinic
- The Washington Center – EPA
- Regional physicians and veterinarians
- Regional physical therapists and dentists
- The Good Zoo (Wheeling, WV)
- National Institutes of Health
- WV Department of Natural Resources

Summer research internships

- WV-INBRE at Marshall and WVU
- Penn State University
- Mary Babb Randolph Cancer Center at WVU
- WVWC-Summer Undergraduate Research Experience
- REU at Mote Marine Laboratory, FL

Student research presentations

- Experimental Biology conferences
- Appalachian College Association Summit
- WV-INBRE Research Symposium
- Research Day at the Capitol
- Mid-Atlantic Research Conference
- WV Academy of Science



Graduate & Professional School Placements

Medical/Health professions

- West Virginia School of Medicine
- Joan C. Edwards School of Medicine (Marshall)
- West Virginia School of Osteopathic Medicine
- University of Pittsburgh School of Medicine
- Ohio State College of Veterinary Medicine
- Univ. of Illinois College of Veterinary Medicine
- Univ. of Georgia College of Veterinary Medicine
- WVU School of Dentistry
- The Ohio State College of Dentistry
- WVU School of Pharmacy
- WVU School of Physical Therapy
- Univ. of St. Augustine School of Physical Therapy
- Univ. of KY Physician's Assistant (PA) program
- Alderson-Broaddus PA program
- Southern College of Optometry
- Indiana College of Optometry
- Pennsylvania College of Optometry

Graduate schools (M.S. or Ph.D. programs)

- Univ. of Virginia Integrated Biomedical Sciences
- Penn State Univ. Integrated Biology Program
- WVU School of Public Health
- WVU School of Agriculture
- Marshall University: Forensics, Microbiology
- George Washington University Forensics
- The Ohio State University Biomedical Sciences
- University of North Carolina Chapel Hill

Questions? Call Dr. Melanie Sal at 304-473-8034 or email her at sal_m@wvwc.edu