BACHELORS PROGRAM

Bachelor of Science in BIOLOGY

Examine the World Around Us.

The Biology program provides the foundation to pursue academic and career goals through a diverse curriculum including research experience; an excitement for biology will be cultivated, promoting continued exploration, hands-on training using sampling and identification techniques in the lab and in the field. Students gain a comprehensive understanding of living things with the examination of plants, animals and microbes on a microscopic and macroscopic level.

PERSONAL

Our faculty has real-world professional experience to ensure you are challenged and supported through mentoring and the connections we provide.

PRACTICAL

Develop lifelong skills through your educational opportunities that are broadly useful, fully transferable and applicable to any challenge or career.

PURPOSE-DRIVEN

Use your degree as a stepping stone to pursue accredited certifications offered by leading organizations or post-graduate study programs.

CAREER AREAS:

- Medical, Dentistry or Veterinary (with Graduate Training)
- Public Health
- Academic Research in University Settings
- Research & Product Development in Medical Supply & Pharmaceutical Industries

PAY TRENDS:

The average annual pay* for the Bachelor of Biology jobs category was:

Nationwide	**$172,166**
North Carolina	**$146,178**

**ZipRecruiter 2023*

"Being able to speak with faculty members with an open-door policy helped me as a student. Wesleyan has shaped key characteristics in my life such as leadership and critical thinking."

Eboni Mayle, '22
BS in Biology, Minor in Chemistry

NORTH CAROLINA WESLEYAN UNIVERSITY

ncwu.edu

BS IN BIOLOGY CURRICULUM PLAN

Scan to View Major Requirements
Minor in Biology available.

General Graduation Guidelines:

- Total of 120 semester hours, 33 of which must be numbered 300 or 400 (Other programs may require coursework beyond 120 semester hours)
- At least 9 semester hours of courses designated as writing intensive
- A declared major
- A cumulative GPA average of C (2.00) and at least a C average in the graduation major

LEARNING OUTCOMES:

- Introduction to the fundamental aspects of life and the major concepts of biology, including scientific method, ecology, cells and molecules, genetics, DNA, biotechnology and evolution.
- Experience with a variety of basic biological phenomena such as hypothesis testing, data interpretation, ecology, diversity of life, genetics, biotechnology and evolution
- Introduction to both laboratory and field studies in biology
- Basics of cell biology including enzymes, membranes, signal transduction organelles, metabolism, the cell cycle, the cytoskeleton, cellular movement, DNA and gene expression
- Exposure to common problem-solving skills essential in this field of study
- Gathering and analyzing ecological data
- Perform experiments to discover how theories discussed in lecture are derived from laboratory observations
- Introduction to the basic laboratory techniques used in organic chemistry
- Techniques used in the isolation, purification and identification of common organic solids and liquids. Special attention will be given to important concepts such as extraction, crystallization, distillation and chromatography

ADMISSIONS CRITERIA:

Applying to NC Wesleyan is as easy as **1-2-3**. You will have direct contact with a personal admissions counselor who will assist you every step of the way.

- Apply online for FREE
- Submit your high school transcript (*2.5 GPA or higher)*
- Complete your FAFSA at ***fafsa.ed.gov*** *(School code is 002951)*

When we receive your application and transcript, we will provide you with an admissions decision and which scholarships you may be qualified to receive.

For more information on admission requirements, visit **ncwu.edu/admissions.*

APPLY TODAY!
*Scan the QR code to fill out your **FREE** application.*

REV 10-2023

For academic related questions about the program, contact:

Heather Louch, Ph.D.
Professor of Biology, Biology Program Coordinator
252.985.5139
hlouch@ncwu.edu