BACHELOR'S PROGRAM

Bachelor of Science in BIOMEDICAL SCIENCE

Concentrations in

Pre-Dental | Pre-Medical | Pre-Veterinary

Putting Health in Your Hands.

The Biomedical Major at North Carolina Wesleyan University academically prepares students for professional graduate programs, such as medicine, osteopathic medicine, dentistry, physician assistant, veterinary medicine, occupational therapy, optometry, and podiatry. Students select one of three different concentrations, medical, dental, or veterinary, based on their interests. All professional schools have specific courses that they require for admission, and a student may major in many different disciplines as long as they take the courses that are required for admission to the professional school in specific field of interest. The Biomedical Major is tailored to meet academic requirements for most professional programs in health-related fields, although individual programs may require additional coursework and requirements.

PERSONAL

Our faculty have 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 at 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 median annual wage* for the **Biology** field of degree is:

**Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook. Not entry level - varies based on location, education and experience. Recent graduates would need to earn experience and advance in career to earn a higher salary.*

"NC Wesleyan's great teaching staff provided me the scientific knowledge that allowed me to be successful at the graduate level and one day treat patients."

Mitch Layton, '16
BS in Biomedical Science

NORTH CAROLINA WESLEYAN UNIVERSITY

ncwu.edu

BS IN BIOMEDICAL SCIENCE*

Scan to View Major Requirements
Concentration required.

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

WHAT YOU WILL LEARN:

- Introduction to some of 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
- Principles of inheritance
- Perform experiments to discover how theories discussed in lecture are derived from laboratory observations
- Introduction to the basic laboratory techniques used in organic chemistry

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 ***studentaid.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.*

**Additional coursework may be required for admission into a specific school's program and entry into professional school may require a specific number of hours in related volunteer work.*

REV 08-2026

For more information, contact:

Office of Admissions
252.985.5200
800.488.6292
admissions@ncwu.edu

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