



Biomedical Science

Working with the same equipment and tools used by healthcare professionals, Biomedical Science students are empowered to explore and find solutions to some of today's most pressing medical challenges. Through hands-on activities that connect learning to life, students step into the roles of biomedical science professionals and investigate topics such as human medicine, physiology, genetics, microbiology, and public health. Students work together in teams to find unique solutions, and in the process, learn in-demand, transferable skills like critical thinking and communication.

◆ Course Sequence

1. Principles of Biomedical Technology
2. Human Anatomy
3. Medical Terminology
4. Human Pathophysiology

Pathway Promise: Scholars that successfully complete this pathway will be prepared with industry credentials, college credits, and community experiences that support their future aspirations.

◆ College Credit Opportunities

- Introduction to Anatomy and Physiology
- Medical Terminology
- Nutrition
- Psychology

College Credit Plus general education and other dual credit courses are also available.

◆ Pathway Opportunity

- Earn a Phlebotomy Certification
- Akron Children's Hospital Viking Scholars Healthcare Immersion Program

◆ Industry Credentials

- Bleeding Control Basic 1.0
- CPR First Aid
- OSHA 10-hour



**College & Career
Academies**

AKRON PUBLIC SCHOOLS

NORTH

Biomedical Science

Entry-Level Careers

- 911 Emergency Dispatcher
- Central Supply Assistant
- Durable Medical Equipment Sales
- Hospital Administrative Assistant
- Hospital Nutrition Aide
- Hospital Security
- Medical Delivery Driver
- Medical Transport
- Patient Service Representative
- Personal Care Aide
- Physical Therapy Aide
- Veterinary Aide

Technical Careers

(Advanced certification, Apprenticeship, or Associates Degree)

- Clinical Medical Assistant
- Dental Assistant
- Emergency Medical Technician (EMT)
- Environmental Health & Safety Specialist
- Medical Lab Technician
- Medical Translationist
- Nursing Assistant
- Occupational Therapy Aide
- Optician
- Phlebotomist
- Radiology Technician
- Surgical Technician

Professional Careers

(Bachelor's Degree or higher education)

- Art or Music Therapist
- Biomedical Engineer
- Certified Athletic Trainer
- Certified Nurse Practitioner
- Family Practice Physician
- Forensic Pathologist
- Genetics Counselor
- Medical Laboratory Scientist
- Medical Malpractice Attorney
- Physical Therapist
- Psychologist
- Registered Nurse
- Speech-Language Pathologist
- Surgeon
- Veterinarian