

THE LONGMONT HIGH SCHOOL MEDICAL & BIOSCIENCE ACADEMY

is designed for students interested in careers or postsecondary education rooted in the health sciences. The Medical and BioScience Academy (MBSA) provides rigorous college-preparatory curricula and instruction that prepares students for highly competitive admissions, and postsecondary education programs in medicine, research, and allied health sciences.

MBSA students are required to enroll in honors-level or Advanced Placement math and science classes, ensuring a strong knowledge base.

Students concurrently experience the following courses: Introduction to Health Care Foundations, Nutrition and Wellness, Anatomy and Physiology, Forensic Science, and Introduction to Biotechnology.



SAMPLE PATHWAY

Grade	MBSA Course	Science	Math	English	Social Studies	World Languages	Electives	Career Elevation and Technology Center
9	Intro to Health Care Foundations	Honors Biology	Honors Geometry	Honors English 9	Honors World History	French or Spanish 1	<div>↑</div> Physical Education, Health, Fine Arts, Practical Arts <div>↓</div>	Intro. to Healthcare & Med. Terminology
10	Nutrition & Wellness, or Forensic Sci	Honors Chemistry	Honors Algebra 2	Honors English 10	AP U.S. History	French or Spanish 2		Certified Nursing Assistant, Emergency Medical Technician, Personal Trainer, X-ray, and Veterinary Medicine
11	Anatomy & Phys. or Intro to Biotechnology	AP Bio. &/or AP Chem. &/or AP Physics 1	Honors Trig/ Precalculus	AP English 11 or AP Language	AP U.S. Govt. & AP Comp. Govt.	French or Spanish 3		
12	MBSA Senior Internship	AP Bio. &/or AP Chem. &/or AP Physics 1/2	AP Calculus &/or AP Statistics	AP English 12 or AP Literature	AP European History or AP Psychology			

MBSA students must maintain a 3.0 grade point average each year to remain eligible for the program.

MBSA SENIOR INTERNSHIP

Along with rigorous coursework, MBSA seniors apply for and complete a one semester capstone project through an internship at a health science or bioscience organization. During internships, students interact with health science professionals, apply modern technology, and develop skills needed in the medical and bioscience workplace.

COLLEGE CREDIT

Students can acquire college credit through the University of Colorado Denver's CU Succeed Program. Additionally, by completing eligible AP classes and passing the AP exam, students can earn dual credit for high school and college. These college credits may be transferred to colleges and universities all over the world.

APPLY FOR ENROLLMENT EACH FALL:
<http://stvra.in/lhsmbsa>

MEDICAL & BIOSCIENCE STUDENTS...

- Experience rigorous coursework
- Interact with health science professionals
- Develop real-life skills through internships
- Prepare for admission to competitive four-year college programs
- Apply modern technology to real-life problems

PROGRAM PARTNERS

- Colorado Learning Center of Human Anatomy
- Longmont United Hospital
- Medical and BioScience Professionals
- Medtronic
- Orthopedic & Spine Center of the Rockies
- UCHealth Longs Peak Hospital