





MEDICAL LABORATORY & HEALTH SCIENCES 2024-2025

GRADE	COURSES	
9	MLHS I - Introduction to Medical Laboratory & Health Sciences 1 Credit	NOTE: If start the MLHS Pathway in 10 th grade, scholar will need to double up in the 11 th grade to earn certification
10	<i>Passed Introduction to Medical Laboratory & Health Sciences</i> MLHS II - Medical Health Systems & Structures 1 Credit	 MLHS I - Introduction to Medical Laboratory & Health Sciences 1 Credit
11	<i>Passed Medical Health Systems & Structures</i> MLHS III- Medical Laboratory Techniques 1 Credit	<i>Passed Introduction to Medical Laboratory & Health Sciences</i> MLHS II - Medical Health Systems & Structures 1 Credit And MLHS III- Medical Laboratory Techniques 1 Credit
	Precision Exams Clinical Laboratory Technology Exam	
12	<i>Passed Medical Laboratory Techniques</i> MLHS IV- Phlebotomy 1 Credit	<i>Passed Medical Health Systems & Structures AND Passed Medical Laboratory Techniques</i> MLHS IV- Phlebotomy 1 Credit
	NHA: Certified Phlebotomy Technicians Exam	
	Careers & Financial Management- BUSINESS 1 - Credit	

 PATHWAY EXAMS/CERTIFICATIONS
Precision Exams: Year 3: Clinical Laboratory Technology Exam NHA: Year 4: Certified Phlebotomy Technicians Exam

OPPORTUNITY FOR AN ADVANCED REGENTS → REPLACE LOTE WITH THIS 5 CREDIT PATHWAY



COURSE DESCRIPTIONS

MLHS I - Introduction to Medical Laboratory & Health Sciences 9th Grade

Description: Scholars will engage in fundamental concepts of Medical Laboratory & Health Sciences. This survey course will begin with an exploration of the many careers in biomedicine and health care, which are organized into five career pathways. Scholars will then examine each of the human body systems, including both structure and function with the emphasis on the emergence of diseases and disorders. To complete the course, scholars study skills to maintain health and wellness.

MLHS II - Medical Health Systems & Structures 10th Grade

Description: The third-year course introduces the basic skills and knowledge necessary in the field of medical and research laboratory sciences. Emphasis is placed on safety, laboratory mathematics, medical terminology, basic laboratory skills, and equipment operation following standard operating procedures. Through hands-on learning experiences, scholars will become skillful at solution preparation, pipetting, microscopy, microbiology protocols using aseptic technique, and common testing procedures.

MLHS III- Medical Laboratory Techniques 11-12th Grade

Description: The third-year course introduces the basic skills and knowledge necessary in the field of medical and research laboratory sciences. Emphasis is placed on safety, laboratory mathematics, medical terminology, basic laboratory skills, and equipment operation following standard operating procedures. Through hands-on learning experiences, scholars will become skillful at solution preparation, pipetting, microscopy, microbiology protocols using aseptic technique, and common testing procedures.

MLHS IV- Phlebotomy 12th Grade

Description: The Phlebotomy course in year 4 is designed to teach the technical and procedural aspects of basic phlebotomy. Scholars will engage in both theory and hands-on activities in the areas of communication, medical terminology, proper specimen collection, basic anatomy & physiology, as well as complications and variables surrounding venipuncture. This course will provide scholars with the necessary study objectives in order to sit for the National Healthcareer Association Certified Phlebotomy Technician (CPT) Examination.