




MEDICAL LABORATORY & HEALTH SCIENCES 2023-2024

GRADE	COURSES	
9	MLHS I - Introduction to Medical Laboratory & Health Sciences 1 Credit	NOTE: If start the MLHS Pathway in 10 th grade, will NOT be eligible for the <i>Advanced Regents</i> through this pathway
10	<i>Passed Introduction to Medical 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 and 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
	Precision Exams Clinical Laboratory Technology Exam	<i>Passed Medical Health Systems</i> MLHS III- Medical Laboratory Techniques 1 Credit
<i>Basic Laboratory Science Techniques</i> MLHS IV- Phlebotomy 1 Credit		
NHA: Certified Phlebotomy Technicians Exam		
12	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

Note: MUST have completed ALL 5 of the above credits to be eligible for Advanced Regents

COURSE DESCRIPTIONS

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

Description: Scholars will engage in fundamental concepts of Biomedical & Health Sciences. This survey course will begin with the focus on the vast career pathway of medical and allied health professions. Scholars will then explore 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: This second-year course explores how the combination of various systems and structures in healthcare and medicine provide quality health care for an entire population. Scholars will be trained in technical skills including measuring and recording vital signs (BP, Temp, O2, Pain, Pulse, Respirations) and training in basic life support (CPR, AED, First Aid, FBAO). They will also analyze legal and ethical issues from the field, as well as professional standards for and characteristics of successful health care workers. Furthermore, they will examine how the diversity of their community impacts the provision and access to healthcare for various individuals. Scholars will attain OSHA and HIPAA certifications and are eligible to sit for the National Health Science Certification Assessment after successful completion of both the first and second year courses.

MLHS III- Medical Laboratory Techniques 11-12th Grade

Description: This 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, aseptic processes, solution preparation, microscopy, microbiology skills, and equipment operation following standard operating procedures.

MLHS IV- Phlebotomy 12th Grade

Description: The Phlebotomy course in year 4 teaches 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 necessary to take the Phlebotomy Technician Certification (CPT) Examination.