

Marshall HS HEALTH SCIENCE TECHNOLOGY (Health Career) COURSES

Pre requisite:

Medical Terminology # 8353 Grades 9 (1 Credit)

Principles of Health Science #8352 Grades 10 (1 Credit) Also Counts as **Health Credit**

Upper level courses:

Health Science Theory #8356 (1 Credits)

Health Science Theory with clinical 11th grades (Clinical Rotations off campus) **#8357** (2 Credits)

***** Practicum in Health Science 12th grades** (Clinical Rotations off campus) **#8371** (2 Credits)

Medical Microbiology 11th and 12 grades #8361 (1 credit) (*pre requisite recommended but not required*)

Seniors courses only:

Pharmacology HC 12th grade (Pharmacy Tech Certification) **#8350** (1 Credit)

Practicum in Health Science 12th grade (Patient Care Technician Certification) **#8370** (2 Credits)

Practicum in Health Science 12th grade (Medical Assistant Certification) **#8373** (2 Credits)

Emergency Medical Technician Certification 12th grade (EMT) **#8370** (2 Credits)



Course descriptions:

Medical Terminology (1Credit). This course is designed to introduce students to the structure of medical terms plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

Principles of Health Science (1 Credit). The Principles of Health Science provides an overview of health careers, basic medical skills such as CPR and vital signs, basic anatomy and physiology and medical terminology

Health Science Theory (1 Credits). The Health Science course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers.

Health Science/ Clinical Rotation (2 Credits). Hospitals and other medical facilities The Health Science course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will go off campus to various hospitals and health facilities.

Medical Microbiology (1 Credit) -This course is open to any students who has passed Principles of Health Science Technology. Students explore the microbial world, studying topics such a pathogenic and non- pathogenic organisms, lab procedures, identifying microorganisms, drug resistant organisms and emerging diseases. Students will study disease processes with emphasis on prevention and treatment of disease, differentiate between normal and abnormal physiology, and laboratory tools for *investigations*.

Pharmacology HC 12th grade: Pharmacy Technician Certification (CPhT) (1 Credit). The objective of the course is to equip students with knowledge, technical skills, and work habits required for an entry-level position in the pharmacy tech field. Students who successfully complete the course and graduate will have the opportunity to sit for the Pharmacy Technician Certification Exam (PTCE).

Practicum in Health Science 12th grade: Patient Care Technician Certification (CPCT) (2 Credits). -Patient Care Technicians provide basic patient care. Training includes being able to take vital signs, perform CPR and First Aid, and assist in medical examinations, performing electrocardiograms (EKGs), basic laboratory procedures, and phlebotomy. Students gain real-world experience through training days conducted off-campus at medical facilities.

Practicum in Health Science 12th grade: Medical Assistant Certification (CCMA) (2 Credits). **NEW CERTIFICATION COURSE** - Medical assistants fulfill both clinical and administrative tasks at hospitals, physicians' offices, and other medical settings. As a CCMA, your focus would be on the clinical side of these responsibilities. This may include measuring patients' vital signs, recording their medical histories, preparing examination rooms, disinfecting medical instruments, drawing blood, giving injections, and administering medication. All of this is usually done under the supervision of a physician.

Practicum in Health Science 12th grade: Emergency Medical Technician Certification (EMT) (2 Credits). **NEW CERTIFICATION COURSE** - Responsibilities: Emergency Medical Technicians-Basic (EMT-B) respond to emergency calls to provide efficient and immediate care to the critically ill and injured, and to transport the patient to a medical facility.