

# Healthcare Diagnostic and Healthcare Therapeutic

**CTE Instructor**

**Maggie Ramirez, RRT, CPhT**

## **Education:**

**Associate of Applied Science in Respiratory Therapy**

**Bachelor of Science in Occupational Training &  
Development**

**Master of Science in Biology**

## **Certification/Licensure**

**Certified & Registered Respiratory Therapist**

**Certified Pharmacy Technician**

**Certified Phlebotomist**

**Certified Electrocardiogram Technician**

**Certified Patient Care Technician**



# Health Science Sequence Endorsement Diagnostic Careers:

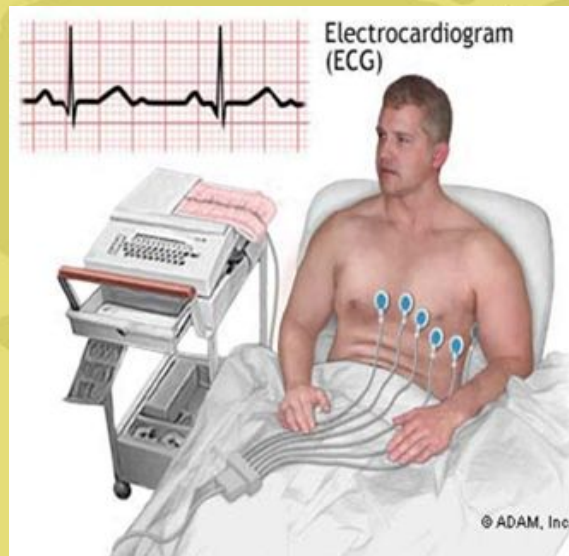
- 9<sup>th</sup> Principles of Health Science
- 10<sup>th</sup> Health Science Theory
- 11<sup>th</sup> Practicum in Health Science(Clinicals)  
OR Medical Terminology OR  
Anatomy and Physiology
- 12<sup>th</sup> Practicum in Health Science -  
**EKG/Phlebotomy**

# Course Description

## Electrocardiogram Technician

EKG technicians operate and monitor electrocardiogram (EKG) equipment for patients during diagnostic tests and surgical procedures.

They report their findings to physicians who make diagnostic decisions based on the results. EKG technicians are also responsible of the maintenance of equipment and preparing patients for various cardiovascular tests.



# Course Description

## Phlebotomy Technician

Phlebotomy technicians, or phlebotomists, are professionals who draw blood from patients. They take these blood samples to pass to laboratory and further check for health issues, like diseases, bacteria, cholesterol, etc.

This program is designed to teach the knowledge in technical and procedural aspects of basic phlebotomy, including collection of blood specimens and venipuncture required to become a Phlebotomy technician. The Phlebotomy Technician program includes theory and hands-on instruction.





# Industry Certification/Licensure

- **This course prepares and qualifies students to sit for the National Healthcareer Association Certified Electrocardiogram Technician Exam (CET)**
- Students must complete the required program hours and successfully pass the course.
- Students that meet this criteria will take the certification exams at the end of the second semester.
- Students must meet the National Healthcareers Association (NHA) testing requirements
  - NHA reserves the right to refuse applicants.

**Students must meet externship site requirements, which may include background checks**

**\*\*\*Phlebotomy Certification may be provided on alternate years.**

# Health Science Sequence Endorsement

## Therapeutic Careers:

- 9<sup>th</sup> Principles of Health Science
- 10<sup>th</sup> Health Science Theory
- 11<sup>th</sup> Practicum in Health Science(Clinicals)  
OR Medical Terminology OR  
Anatomy and Physiology
- 12<sup>th</sup> Pathophysiology AND Practicum in  
Health Science (C.N.A or **Pharmacy  
Tech**)

# Course Description

## Pharmacy Technician

Pharmacy technicians assist and support licensed pharmacists in providing health care products and medication to patients. Some of the duties include, Review prescriptions or requests for refills Preparing unit dose medications, Extemporaneous Compounding, Prepare IV admixtures and Sterile irrigations, Duties vary by state. **Texas State Certification required**

**The course prepares the student to become a pharmacy technician and introduces them to careers in pharmacy. It is beneficial if you are planning on going to pharmacy school, medical school, nursing, or any other health profession in which you are responsible for the administration of medications. The course prepares you for the certification exam. So the material we are covering includes medical terminology, abbreviations, laws, math, etc.**



# Prerequisite Courses for EKG/Phlebotomy and Pharmacy Tech

## Prerequisites-

- 1. Algebra I
- 2. English I, II, & III
- 3. One Science Course / Biology
- 4. Health Science
- 5. Medical Terminology (may be taken concurrently with Pharmacy Tech)
  
- **These courses are offered to seniors who have successfully completed the above prerequisites.**



# Industry Certification/Licensure

- **Upon successful Completion of the Pharmacy Technician Program, students qualify to sit for the following certification exams:**
  - **Sterile Products (IV) Certification ( Administered during the course )**
  - **Pharmacy Technician Certification Board (PTCB) CPhT National Certification (Administered in May)**

**\*\*\*Individuals convicted of a felony and/or drug related misdemeanor, are not eligible to take the PTCB exam and therefore cannot work as a pharmacy technician in the state of Texas. Any student with a felony and/or drug –related misdemeanor should not register for this class.**

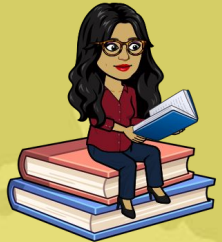
# Student Club/Organization



## *What is HOSA?*



- HOSA is an international student organization recognized by the U.S. Department of Education and the Health Science Education (HSE) Division of ACTE.
- HOSA provides a unique program of leadership development, motivation, and recognition exclusively for secondary, postsecondary, adult, and collegiate students enrolled in health science education and biomedical science programs or have interests in pursuing careers in health professions.
- HOSA is 100% health care!



# Questions

**Maggie Ramirez, RRT, CPhT**

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