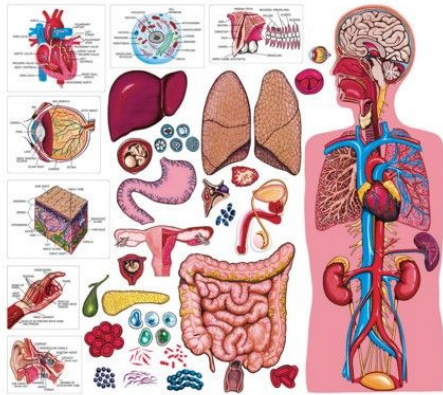


Principles of Health Science**

This course provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry. Students will identify employment opportunities, technology, and safety requirements of each system.



Medical Terminology

This course introduces students to the structure of medical terms, medical abbreviations and acronyms. Students will achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

** Freshman level course



Examples of health careers

Physician	Respiratory Therapist
Registered Nurse	Physician Assistant
Dentist	Nutritionist
Dental Hygienist	Occupational Therapist
Veterinarian	Midwife
Athletic Trainer	Radiologic Technologist
Psychologist	Clinical Lab Scientist
Optometrist	Surgical Technologist
Pharmacist	Paramedic
Pharmacy Tech	Medical Assistant
Physical Therapist	Health Care Administrator
Sonographer	and many more....

Sandra Day O'Connor High School



Health Science Endorsement

➤➤➤ For future health professionals

Contact information:

Heidi Arenivas

heidi.arenivas@nisd.net

210-397-4800 ext. 3140

Carlos Sanchez

carlos.sanchez@nisd.net

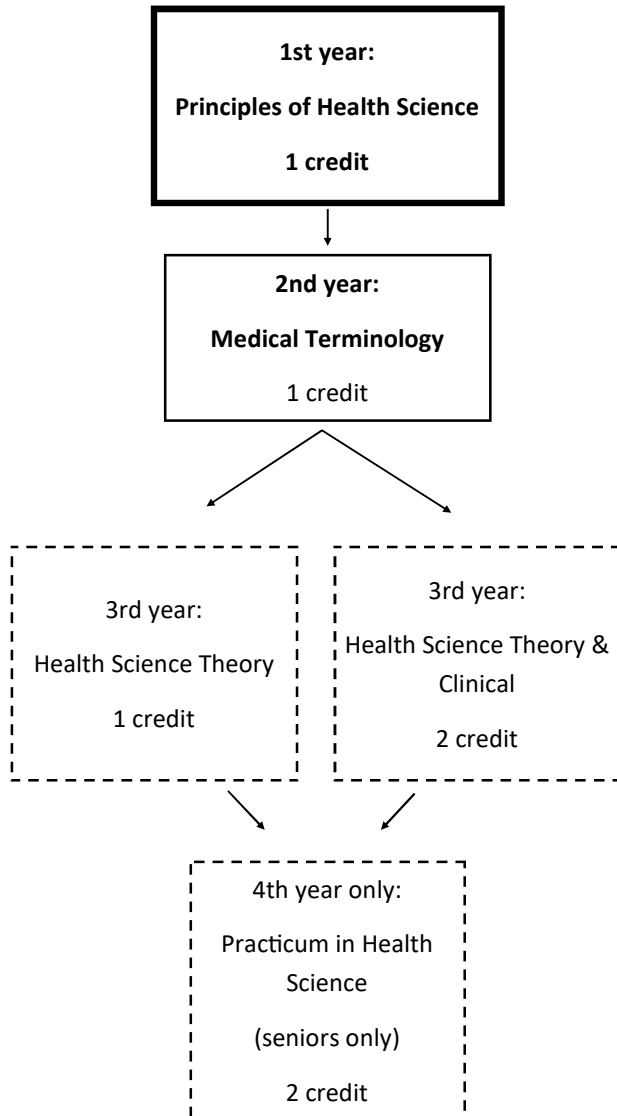
210-397-4800 ext. 3142

Margarita Estrada

margarita.estrada@nisd.net

210-397-4800 ext. 3138

Health Science Diagnostic or Therapeutic Track



Health Science Theory/Clinical

Prerequisites: Medical Terminology & Principles of Health Science

This course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development.

Practicum in Health Science

Prerequisite: Health Science Theory or Clinical
A course designed to give students practical application of previously studied knowledge and skills for certification or licensure in an allied health career. Students develop advanced clinical skills necessary for employment in the health care industry or continued education in health careers.

Current certifications offered:

- ◇ CCMA (Certified Clinical Medical Assistant)
- ◇ PCT (Patient Care Tech)
- ◇ EKG Tech and Phlebotomy

Medical Microbiology

Students explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases.

Anatomy & Physiology

Students study the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving.

Other Health Science Classes

3rd or 4th year:
Medical Microbiology
1 credit

3rd or 4th year:
Anatomy & Physiology
1 credit

4th year:
Pharmacology
(seniors only)
1 credit

Pharmacology

Prerequisites: Medical Terminology & Principles of Health Science

Students will study the classification of drugs, drug actions, uses, and adverse reactions. In addition, they will study drugs in relation to treatment, care, and restoration of health.

Certification offered:

- ◇ Pharmacy Tech