

Equal access to Career & Technical programs and activities is assured to students in Crandall ISD without regard to race, color, national origin, gender, or disability.

Crandall ISD has many great courses in the Health Science career cluster. We have designed a program of study that will allow you to complete three to four years of coursework preparing you for a great career.

Take a look at the courses we have to offer and let your counselor know what you would like to pursue when you register for classes.

Public Services Endorsement with Health Science Career Cluster Courses:

- Principles of Health Science
- Medical Terminology
- Health Science
- Anatomy & Physiology
- Dual Credit Anatomy & Physiology
- Health Science Clinical
- Forensic Science

Business Information Management I and Professional Communications can be used with each cluster for a coherent sequence of courses.



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Health Science

Crandall High School



WHAT COURSES SHOULD I TAKE?

Interested in Clinical Rotation? Ever thought about a degree in the medical field? Then taking courses in this cluster is RIGHT for YOU! Discuss your career goals with your counselor. The two of you can create a four-year plan preparing YOU for your career choice. Teachers are also available to answer questions about the classes they teach.

STUDENT ORGANIZATION: HOSA

Students can participate in an internally recognized health science student organization which focuses on health care related activities and learning. HOSA membership will encourage each student to further explore career opportunities in the health care industry outside of the traditional classroom through participation in community service, leadership events and guest speaker functions.

PRINCIPLES OF HEALTH SCIENCE

1 Credit Grades: 9-11
Prerequisites: NONE

The Principles of Health Science class provides an overview of therapeutic, diagnostic, health informatics, support services, and biotechnology research in development systems of the health care industry. Students should identify the employment opportunities, technology, and safety requirements of each system. Students are expected to apply the knowledge and skills necessary to pursue a health science career through further education and employment.

MEDICAL TERMINOLOGY

1 Credit Grades 10-12
Prerequisites: Principles of Health Science

This course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, root words, combining forms, and singular and plural forms, 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.

HEALTH SCIENCE THEORY

1 Credit Grades 10-12
Prerequisites: Principles of Health Science, Biology, and Medical Terminology

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 have hands-on experiences for continued knowledge and skill development.

ANATOMY & PHYSIOLOGY

1 Credit Grades 11-12
Prerequisites: Three credits of science.

In Anatomy & Physiology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy & Physiology study a variety of topics, including structure and function of the human body and the interaction of body systems for maintaining homeostasis. ***Dual Credit A&P is available for those who qualify.***

HEALTH SCIENCE CLINICAL

2 Credits Grades: 12
Prerequisites: Principles of Health Science, Biology, and Medical Terminology

The clinical course is designed to give students practical application of previously studied knowledge and skills. Clinical observations can occur in a variety of locations appropriate to the nature and level of experience. The class is taught in two consecutive class periods with a combination of both classroom instruction and clinical rotations in a local health care facility. Students are required to purchase their hospital attire, complete a CPR course, and to comply with all requirements of the health care facilities. Additional certification opportunities to include Pharmacy Technician are provided as part of this course.

FORENSIC SCIENCE

1 Credit Grades 11-12
Prerequisites: Biology and Chemistry

Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn history and legal aspects as they relate to each discipline for Forensic Science. ***Science credit will be given for this course.***

