

HEALTH AND MEDICINE



✓ Counts for SBOE Recommended HS Program.

✂ **Minimum Graduation Program only**
DC- Dual Credit Course for College

All courses are not available every semester. Each campus offers courses based on student interest.

Note: The Advanced Technical Credit (ATC) Program can help students earn college credit, taught by a teacher who has had special training.

HEALTH SCIENCE

✓ **Principles of Health Science** **X26450**
BCTAL X26451

Principles of Health Science provides an overview of the therapeutic, diagnostic, health informatics, support services, biotechnology research and development systems of the health care industry. 2 semesters (1 credit).
Grade 9-11

Medical Terminology *BHS, HHS, RHS* **X23900**
BCTAL X23901

This course is designed as an introduction to the medical field. Students develop a working knowledge of the language of medicine. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care. 1 semester (1/2 credit)
Grade 9-12

Clinical Rotations I **BCTAL X26510**

This program includes development and application, in a classroom and clinical setting, relating to groups of health occupations. Students observe or train with professional health care personnel at health care facilities. This observation/training may include such fields as physical therapy, medical/surgical nursing, obstetrics, pediatrics, laboratory, radiology, surgery, and dental. 2 semesters (2 credits).
Grade 11-12

Clinical Rotations 2 **BCTAL X26800**

The practicum is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. 2 semesters (3 credits)
Grade 11-12

Practicum in Health Science (WBL) **BCTAL X26700**

The practicum is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. 2 semesters (3 credits)
Grade 11-12

Pharmacy Technician **BCTAL X27950**

Designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. 2 semesters (2 credits).
Grade 11-12

Emergency Medical Technician (EMT) **BCTAL X26900**

Designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Students will take certification exam in the Spring. 2 semesters (2 credits).
Grade 12

✓ **Anatomy and Physiology/Honors** **BCTAL X04901**
(Science credit)

Students will explore physiological systems and associated pathologies. Higher order thinking is stressed through assessment and synthesis of the anatomical knowledge combined with exposure to clinical analysis. 2 semesters (1 credit). **Prerequisite:** Biology.
Grade 10-12

✓ **Anatomy and Physiology/Honors** **BCTAL X05001/X04900**
(Science credit)

Students conduct investigations, at least 40% of instructional time, using safe, environmentally appropriate, and ethical practices. Investigations involve obtaining and analyzing data with equipment, experimentation and field observations that extend beyond the classroom. 2 semesters (1 credit). **Prerequisite:** Biology.
Grade 10-12

✓ **Medical Microbiology** **BCTAL X27901**
(Science credit)

Students develop knowledge and skills related to disease prevention by learning the chain of infection, asepsis, and standard precautions. Pathogenic/nonpathogenic organisms identified in the understanding of specific disease, causative agents and treatment. 2 semesters (1 credit). **Prerequisite:** Biology, Chemistry
Grade 11-12

✓ **Pathophysiology** **BCTAL X31811**
(Science credit)

Students investigate disease processes and the effect of disease on human systems. Emphasis placed on prevention and treatment. Differentiate between normal/abnormal physiology. 2 semesters (1 credit). **Prerequisite:** Biology and Chemistry or Biology with concurrent Chemistry.
Grade 11-12

Problems and Solutions – Health Science **X24100**

Allows students to develop advanced technical knowledge and skills in solving problems in health science. 2 semesters (1 credit).
Grade 11-12