



Healthcare Diagnostics Program of Study

Prepare for your future in the healthcare industry through the application of scientific knowledge and skill to healthcare scenarios and experiences.

RECOMMENDED COURSE SEQUENCE

1 Principles of Health Science (1 credit) (9th Grade)
Explore therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry. Prepare for study in multiple pathways within Health Science Technology.

2 Medical Terminology (1 credit) (10th Grade)
Study medical terms including prefixes, suffixes, word roots, combining forms, and singular and plural forms, plus medical abbreviations and acronyms. Develop comprehension of vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

3 World Health Theory* (HCTC) (2 credits) (11th Grade)
Examine major world health problems and emerging technologies as solutions to those medical concerns. Improve your understanding of cultural, infrastructural, political, educational, and technological constraints on healthcare.

OR

3 Sports Medicine* (HCTC) (2 credits) (11th Grade)
Identify methods for prevention, recognition, treatment and rehabilitation of athletic injuries and illness. Develop practical skills such as taping techniques, bracing, splinting, and First Aid/CPR.

4 Anatomy and Physiology* (1 credit) (12th Grade)
A comprehensive study of the structures and functions of the human body. This course includes dissections, study of the organization of organs and organ systems, and application of the scientific method in healthcare

OR

4 Pathophysiology* (1 credit) (12th Grade)
Conduct laboratory investigations and fieldwork use scientific methods and make informed decisions using critical thinking and problem solving. Study disease processes and the effect on humans with an emphasis on the prevention and treatment of disease.

For more information about CTE Course requirements, view our EMS ISD Course Description Handbook.

**Indicates a TEA approved Advanced CTE Course*

