

Health Science Career Cluster

The Health Science Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, communicate effectively, and work well with others.

Dentistry Statewide Program of Study



The Dentistry program of study introduces students to occupations and education opportunities related to performing complex medical laboratory tests for the diagnosis, treatment, and prevention of disease. This program of study may also include exploration into the opportunities associated with blood laboratories as well as radiologic technology and ultrasound technology.

Secondary Courses for High School Credit

Level 1

- Principles of Health Science (1)

Level 2

- Medical Terminology (1)

Level 3

- Health Science Theory* (1)
- Health Science Clinicals & Theory* (2)

Level 4

- Anatomy and Physiology+* (1)
- Practicum in Dentistry* (2)

*Required Prerequisite +Recommended Prerequisite

Specific course offerings and availability are subject to change due to interest and enrollment.

Industry-Based Certifications

- Certified EKG Technician
- Registered Dental Assistant X-Ray Certification



Principles of Health Science (1)

The Principles of Health Science course is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the healthcare industry.

Medical Terminology (1)

The Medical Terminology course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

Health Science Theory* (1)

The Health Science Theory 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.

Health Science Clinicals & Theory* (2)

The Health Science Clinical 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. Districts are encouraged to offer this course in a consecutive block with Health Science Theory to allow students sufficient time to master the content of both courses.

Anatomy & Physiology+* (1)

The Anatomy and Physiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.

Practicum in Dentistry* (2)

The Practicum in Dentistry course 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.

| Occupations | Median Wage | Annual Openings | % Growth |
|-------------------------|-------------|-----------------|----------|
| Medical Assistants | \$29,598 | 8,862 | 30% |
| Surgical Technologists | \$45,032 | 1,150 | 20% |
| Dental Hygienists | \$73,507 | 1,353 | 38% |
| Physicians and Surgeons | \$213,071 | 1,151 | 30% |