



Health Science

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.



Program of Study: Nursing Science (KNIT Program)

The Nursing Science program of study focuses on occupational and educational opportunities associated with patient care. This program of study includes the practice of caring for patients, performing routine procedures such as monitoring vital signs, developing, and implementing care plans, maintaining medical records, and managing disease or pain.

Courses

9th Grade	Principles of Health Science
10th Grade	Medical Terminology Health Science Theory
11th Grade	Anatomy and Physiology @ San Jacinto College Psychology @ San Jacinto College Humanities @ San Jacinto College
12th Grade	Medical Microbiology @ San Jacinto College English IV @ San Jacinto College Human Growth and Development @ San Jacinto College

Aligned Advanced Academic Course(s)

- AP Biology
- AP Chemistry

Work-Based Learning/Expanded Learning Opportunities

Work-Based Learning Activities	Volunteer at a community wellness center, hospital, assisted living center, or nursing home.
Expanded Learning Opportunities	<ul style="list-style-type: none"> • Health Occupation Students of America (HOSA) • Earn dual credit hours



Example Postsecondary Opportunities

Apprenticeships

- Registered Nurse Resident

Associate Degrees

- Medical Assisting
- Vocational Nursing

Bachelor's Degrees

- Registered Nursing
- Nursing Administration

Master's, Doctoral, and Professional Degrees

- Nursing Administration
- Nursing Science

Additional Stackable IBCs/License

- Certified Emergency Nurse

Example Aligned Occupations

Nursing Assistants

Median Wage: \$30,856
Annual Openings: 10,936
10-Year Growth: 15%

Licensed Practical and Licensed Vocational Nurses

Median Wage: \$50,913
Annual Openings: 6,865
10-Year Growth: 17%

Registered Nurses

Median Wage: \$79,831
Annual Openings: 16,207
10-Year Growth: 17%

Successful completion of this program of study will fulfill requirements of the Public Services endorsement or the STEM endorsement if the math and science requirements are met.

Approved Statewide Program of Study. C. E. King High School – 2025-26