

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.



The Nursing Science program of study introduces students to the knowledge and skills related to patient care. CTE learners may learn about or practice caring for patients, routine procedures such as monitoring vital signs, development and implementation of care plans, maintenance of medical records, and disease or pain management. Students may focus on the healthcare system and research system designs and make recommended modifications.



Successful completion of the Nursing Science program of study will fulfill requirements of a Public Service endorsement or STEM endorsement if the math and science requirements are met. Revised – August 2022



Meet the Teacher

Nursing Science Instructor Angela Severn graduated from Trinity Valley Community College with a Vocational Degree in Nursing. She had been a Licensed Vocational Nurse for 8 years, most of which she has spent in the long-term care field. She experience in home health and pediatric nursing which she uses to help her students gain insight into the varying roles nurses play in different types of care. Miss Severn wants her students to learn how many different options there are in the healthcare field waiting for them; “It is not just about nurses and doctors; it takes many more areas of expertise to make the healthcare industry functional and successful.”



HEALTH SCIENCE





Level 1
Principles of Health Science

Level 2
Medical Terminology

Level 3
Anatomy & Physiology
Clinical Ethics

Level 4
Practicum in Nursing Science

*Certification offered:
Certified Patient Care Technician
Phlebotomy Technician*



Occupations	Median Wages	Annual Openings	% Growth
Licensed Vocational Nurses	\$ 45,178	7,186	21 %
Registered Nurses	\$ 68,682	17,493	26 %
Nurse Practitioners	\$ 107,827	977	50 %
Nurse Anesthetists	\$ 154,856	357	23 %

Work Based Learning & Expanded Learning Opportunities

Exploration Activities:	Work Based Learning Activities:
Health Occupation Students of America (HOSA)	Volunteer at a local hospital or rehabilitation center; manage a school sports team

High School/Industry Certification	Certificate/License*	Associates Degree	Bachelor's Degree	Master's/Doctoral Professional Degree
Certified Patient Care Technician Phlebotomy Technician	Licensed Vocational Nurse	Registered Nurse	Informatics Nurse Specialist	Nurse Practitioner
				Nursing Administration
				Nurse Anesthetist

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.