

Health Science Careers



About

Career Description

Health science careers focus on planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

Industry Description

Health science is one of the largest industries in the country with more than 11 million jobs. Employment of healthcare occupations is projected to grow 14 percent from 2018 to 2028 much faster than the average for all occupations, adding about 1.9 million new jobs.

Skills

Anyone preparing for a health science career should have a strong background in math, critical thinking, communication and interpersonal skills.

HIGH SCHOOL CAREER & TECHNICAL EDUCATION



CTE Pathway: Emergency Services

Schools: Rockvale High School

Description: This program is designed to prepare students to pursue careers in the fields of emergency medicine. Students will learn to identify features of the EMS system; define the importance of workforce safety and wellness; maintain legal and ethical guidelines; and perform EMS skills.



CTE Pathway: Nursing Services

Schools: Siegel and Stewarts Creek High Schools

Description: Courses are designed to prepare students for careers in nursing. Students will learn to implement interpersonal skills, provide care safely, prevent emergency situations, prevent infection and perform the skills required of a nursing assistant.



CTE Pathway: Therapeutic Services

Schools: Blackman, Oakland, Riverdale, Rockvale, Siegel, Smyrna, and Stewarts Creek High Schools

Description: This program prepares students for careers in dentistry, pharmacology, nutrition or rehabilitation. Students will learn to assess, monitor, evaluate and report patient health status and identify the purpose and components of treatments.



CTE Pathway: Sport and Human Performance

Schools: Blackman, LaVergne, Oakland, Riverdale, Siegel, Smyrna and Stewarts Creek High Schools

Description: Courses are designed to prepare students for careers in kinesiology and exercise physiology. Students will learn to apply concepts of anatomy and physiology, chemistry and kinesiology to exercise science contexts so they understand the importance that exercise, nutrition and rehabilitation play in patient health.



RELATED HIGH SCHOOL EXPERIENCES

Career Exploration
Work-Based Learning

Job Shadowing
Industry Certification

Higher Education Opportunities

CONTINUING YOUR EDUCATION AFTER HIGH SCHOOL



Training Certifications



Example Institution: TCAT

Estimated Tuition: \$8,000

Jobs: Phlebotomist, Certified Nursing Assistant, Emergency Medical Technician, Pharmacy Technician, Surgical Technician, Dental Assistant

Estimated Salary Range: \$25,000 - \$47,000



Associate's Degree



Example Institution: Motlow State Community College

Estimated Tuition: \$11,000

Jobs: Dental Hygienist, Diagnostic Medical Sonographer, Radiation Therapist, Veterinary Technologist,

Estimated Salary Range: \$35,000 - \$82,000



Bachelor's Degree



Example Institution: Middle Tennessee State University

Estimated Tuition: \$45,000

Jobs: Registered Nurse, Dietitian, Clinical Researcher, Hearing Aid Specialist, Medical Perfusionist, Clinical Trials Manager, Respiratory Therapist

Estimated Salary Range: \$47,000 - \$92,000

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For more information on CTE pathways, YouScience results and post-secondary options including Tennessee Pathways and Tennessee Promise please contact your school counselor. YouScience results should also be reviewed with a parent or guardian.