

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. This career cluster includes occupations ranging from medical assistant, registered nurse, and physical therapist to forensic science technician and athletic trainer.

Program of Study: *Health Science: Lab Tech*

The Health Science: Medical Laboratory Assistant program of study prepares students for vital roles in healthcare settings, including hospitals and clinics. Students learn to draw blood, handle and label specimens, prepare and use lab equipment, perform tests, and report results—skills essential to supporting accurate diagnoses and patient care.

Secondary Courses for High School Credit

9th Grade	Medical Terminology
10th Grade	Health Science Theory
11th Grade	- Anatomy & Physiology - Medical Microbiology
12th Grade	- Practicum in Health Science: Lab Tech - Practicum in Health Science: Patient Care Technician (PCT) - Practicum in Health Science: Clinical Medical Assistant (CMA)
Optional Electives	- Pathophysiology - Pharmacology

Course Costs

Fees ≈ \$250

Includes: Scrubs (2 pair), CPT Exam Prep Materials, CPT Exam, Cords/Pins

Internship and Practicum Opportunities

Students at the Keller Center for Advanced Learning (KCAL) have the opportunity to earn a Phlebotomy Certification on campus by completing hands-on training. As part of the certification process, each student will perform 30 venipunctures.

Career and Technical Student Organization (CTSO)

HOSA

Health Occupation
Students of America

AMWA

American Medical Women's
Association

Career & Technical Student Organizations (CTSOs) are student-led organizations that build leadership, career skills, and real-world experience through competitions, networking, and hands-on learning.

Aligned Industry-Based Certifications

- Certified Phlebotomist



Example Postsecondary Opportunities

Apprenticeships

- Phlebotomist

Associate Degrees

- Medical Laboratory Technology
- Vocational Nursing

Bachelor's Degrees

- Medical Laboratory Science
- Clinical Laboratory Science

Master's, Doctoral, and Professional Degrees

- Pathologist
- Doctor of Clinical Laboratory Science

Additional Stackable IBCs/License

- Medical Laboratory Assistant



Example Aligned Occupations

Phlebotomist

Median Wage: \$39,000
Annual Openings: 2,192
10-Year Growth: 26%

Medical Laboratory Scientist

Median Wage: \$61,360
Annual Openings: 2,146
10-Year Growth: 17%

Pathologist

Median Wage: \$300,786
Annual Openings: 43
10-Year Growth: 19%

