

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.

Healthcare Diagnostics Statewide Program of Study



The Healthcare Diagnostics 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 2

- Medical Terminology
 - 1 Semester at Ben Barber
 - 1443CT/9-12

Level 3

- Health Science Theory
 - 1 Semester at Ben Barber
 - 1411CT/10-12
 - Prerequisites: Biology & Medical Terminology**
- Medical Microbiology – Science Credit
 - 1 Semester at Ben Barber
 - 8120CT/10-12
 - Prerequisites: Biology & Chemistry AND Medical Terminology OR Introduction to Dental Science**
- Phlebotomy*
 - 1 Semester at Ben Barber
 - 1424CT/11-12
 - Prerequisites: Medical Terminology AND Another Level 3 Course**
 - Selection Process
 - Phlebotomy Technician Certification Possible**

Level 3

- EKG/ECG*
 - 1 Semester at Ben Barber
 - 1426CT/11-12
 - Prerequisites: Medical Terminology AND Another Level 3 Course**
 - Selection Process
 - Certified EKG/ECG Technician Possible**

Level 4

- Anatomy & Physiology – Science Credit
 - 1 Semester at Ben Barber or 2 Semesters at Home Campus
 - 0810CT or 8100A-B/11-12
 - Prerequisites: Biology AND Level 2 or 3 Health Science Course**
- Pathophysiology– Science Credit
 - 1 Semester at Ben Barber
 - 8125CT/11-12
 - Prerequisites: Biology & Chemistry AND Level 2 or 3 Healthcare Diagnostics Course**
- Practicum in Health Science*
 - 2 Semesters at Ben Barber
 - 1431CA-CB/12 only
 - Prerequisites: Health Science Theory AND Any Level 3 Healthcare Diagnostics Course**
 - Selection Process

Roadmap to Completer

Levels	Courses			
Level 2	1442 Medical Terminology (1 Credit)			
Level 3	1411CT Health Science Theory (1 Credit)	8120 Medical Microbiology (1 Credit)		
	1424CT Phlebotomy (1 Credit)	1426CT EKG/ECG (1 Credit)		
Level 4	0810CT and 8100A-B Anatomy & Physiology (1 Credit)	8125CT Pathophysiology (1 Credit)		
	1431CA-CB Practicum in Health Science (2 Credits)			
1 Semester Home Campus	2 Semester Home Campus	1 Semester Ben Barber	2 Semesters Ben Barber	Ben Barber or HC

**Students cannot take Pharmacy Tech AND Practicum in Health Science. Students cannot take Phlebotomy AND EKG/ECG.*

- Failure to follow the sequence of courses in the Roadmap to Completer could result in a student not meeting standards to be a CTE Completer in the program of study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Healthcare Diagnostics program of study will fulfill requirements of the Public Service endorsement.