

# 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 Therapeutic Statewide Program of Study



The Healthcare Therapeutic program of study introduces students to occupations and educational opportunities related to diagnosing and treating acute, episodic, or chronic illness independently or as part of a healthcare team. This program of study also includes an introduction to the opportunities associated with providing treatment and counsel to patients as well as rehabilitative programs that help build or restore daily living skills to persons with disabilities or developmental delays.

### Secondary Courses for High School Credit

#### Level 1

- Introduction to Dental Science
  - 1 Semester at Ben Barber
  - 1465CT/9-12

#### Level 2

- Dental Anatomy & Physiology
  - 1 Semester at Ben Barber
  - 1461CT/10-12
  - Prerequisites:** Introduction to Dental Science
- 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

#### Level 3

- 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

#### Level 4

- 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
- Pharmacy Technician\*
  - 2 Semesters at Ben Barber
  - 1421CA-CB/12 only
  - Prerequisites:** Health Science Theory AND Any Level 3 Healthcare Therapeutic Course
  - Selection Process
  - Certified Pharmacy Technician Certification Possible

### Roadmap to Completer

Levels	Courses			
Level 1	1465CT Introduction to Dental Science (1 Credit)			
Level 2	1443CT Medical Terminology (1 Credit)	1461CT Dental Anatomy & Physiology (1 Credit)		
Level 3	1411CT Health Science Theory (1 Credit)	8120CT Medical Microbiology (1 Credit)	0810CT or 8100A/B Anatomy & Physiology (1 Credit)	
Level 4	1431CA-CB Practicum in Health Science (2 Credits)	8125CT Pathophysiology (1 Credit)	1421CA-CB Pharmacy Technician (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 Therapeutic program of study will fulfill requirements of the Public Service endorsement.