Industry Credentials, Concentration Sequences, and Career Clusters

Biotechnology Foundations in Health and Medical Sciences (8344)

Industry Credentials:

These apply only to 36-week courses.

- College and Work Readiness Assessment (CWRA+)
- National Career Readiness Certificate Assessment
- Workplace Readiness Skills for the Commonwealth Examination

Concentration Sequences:

*A combination of this course and those below, equivalent to two 36-week courses, is a **concentration sequence**. A **program completer** is a student who has met the requirements for a CTE concentration sequence and all other requirements for high school graduation or an approved alternative education program. Students wishing to complete a specialization may take additional courses based on their career pathways.*

- Biomedical Technician (8347/36 weeks)
- Forensic Technology (8409/36 weeks)
- Introduction to Health and Medical Sciences (8301/18 weeks)
- Introduction to Health and Medical Sciences (8302/36 weeks)
- Medical Laboratory Technology I (8377/36 weeks)
- Medical Terminology (8383/36 weeks)
- Medical Terminology (8384/18 weeks)

Career Clusters, Career Pathways, and Occupations:

- Agriculture, Food and Natural Resources
  - Animal Systems
  - Environmental Service Systems
  - Food Products and Processing Systems
  - Plant Systems
  - Power, Structural, and Technical Systems
- Health Science
  - Biotechnology Research and Development
    - Biochemist
  - Diagnostics Services

- Cardiovascular Technologist
- Computer Tomography (CT) Technologist
- Medical, Clinical Laboratory Technician
- Nuclear Medicine Technologist
- Radiologic Technologist, Radiographer
  - Health Informatics
    - Epidemiologist
  - Support Services
    - Environmental Sampling and Analysis Technician
    - Medical, Clinical Laboratory Technologist
- Science, Technology, Engineering and Mathematics
  - Engineering and Technology
    - Agricultural Engineer
    - Biomedical Engineer
    - Environmental Engineer
  - Science and Mathematics
    - Biologist
    - Environmental Scientist