

# Industry Credentials, Concentration Sequences, and Career Clusters

## Medical Interventions (8381)

### Industry Credentials:

*These apply only to 36-week courses.*

- College and Work Readiness Assessment (CWRA+)
- National Career Readiness Certificate Assessment
- Project Lead the Way End-of-Course Assessments
- 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 Innovation (PLTW) (8382/36 weeks)
- Principles of the Biomedical Sciences (PLTW) (8379/36 weeks)

### Career Clusters, Career Pathways, and Occupations:

- Health Science
  - Biotechnology Research and Development
    - Biochemist
    - Cell Biologist
    - Medical, Clinical Laboratory Technician
    - Research Assistant
  - Diagnostics Services
    - Cardiovascular Technologist
    - Computer Tomography (CT) Technologist
    - Medical, Clinical Laboratory Technician
    - Medical, Clinical Laboratory Technologist
    - Nuclear Medicine Technologist
    - Phlebotomist
    - Radiologic Technologist, Radiographer
    - Radiologist
  - Health Informatics

- Bioinformatics Technician
  - Epidemiologist
- Support Services
  - Communications Equipment Operator
  - Environmental Sampling and Analysis Technician
  - Medical, Clinical Laboratory Technologist
- Therapeutic Services
  - Athletic Trainer
  - Audiologist
  - Certified Nurse Aide
  - Dental Assistant
  - Emergency Medical Technician, Paramedic
  - Exercise Physiologist
  - Home Health Aide
  - Licensed Practical Nurse
  - Massage Therapist
  - Medical Assistant
  - Occupational Therapist
  - Occupational Therapist Aide
  - Optician
  - Pharmacy Technician
  - Physical Therapist
  - Physical Therapist Assistant
  - Physician
  - Recreation Therapist
  - Registered Nurse
  - Surgical Technologist
  - Veterinary Assistant
  - Veterinary Technologist
- Human Services
  - Counseling and Mental Health Services
    - Career Counselor
    - Dietitian, Nutritionist
    - Educational/School Counselor
    - Marriage and Family Therapist
    - Mental Health Counselor
    - Nutritional Counselor
    - Rehabilitation Counselor
    - Social and Human Service Assistant
    - Substance Abuse and Behavioral Disorder Counselor
    - Volunteer Coordinator
- Science, Technology, Engineering and Mathematics
  - Engineering and Technology
    - Biomedical Engineer
  - Science and Mathematics
    - Animal Scientist

- Biologist
- Materials Scientist
- Microbiologists
- Toxicologist