

# Industry Credentials, Concentration Sequences, and Career Clusters

## Principles of Technology I (9811)

### 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.*

- Principles of Technology II (9812/36 weeks)

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

- Science, Technology, Engineering and Mathematics
  - Engineering and Technology
    - Chemical Engineer
    - Electrical Engineer
    - Electrical Engineering Technician
    - Electro-Mechanical Technician
    - Engineer
    - Engineering Technician
    - Industrial Engineer
    - Industrial Engineering Technician
    - Manufacturing Systems Engineer
    - Mechanical Engineer
    - Mechanical Engineering Technician
  - Science and Mathematics
    - Atmospheric Scientist
    - Hydrologist
    - Secondary School Teacher