

# Industry Credentials, Concentration Sequences, and Career Clusters

## Renewable Energy (8408)

### Industry Credentials:

*These apply only to 36-week courses.*

- College and Work Readiness Assessment (CWRA+)
- Workplace Readiness Skills for the Commonwealth Examination
- Energy Industry Fundamentals

### 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.*

- Energy and Power (8448/36 weeks)

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

- Science, Technology, Engineering, and Mathematics
  - Engineering and Technology
    - Chemical Engineer
    - Civil Engineer
    - Civil Engineering Technician
    - Electrical Engineer
    - Electrical Engineering Technician
    - Electro-Mechanical Technician
    - Engineer
    - Engineering Manager
    - Engineering Technician
    - Environmental Engineer
    - Industrial Engineer
    - Industrial Engineering Technician
    - Manufacturing Systems Engineer
    - Mechanical Engineer
    - Mechanical Engineering Technician
    - Nuclear Engineer
    - Petroleum Engineer

- Power Systems Engineer
- Science and Mathematics
  - Atmospheric Scientist
  - Botanist
  - Ecologist
  - Environmental Scientist
  - Geoscientist
  - Hydrologist