

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