

# Industry Credentials, Concentration Sequences, and Career Clusters

## Software Engineering Essentials (PLTW)

### 8473 (36 weeks)

#### Industry Credentials:

*These apply only to 36-week courses.*

- Advanced Placement (AP) Computer Science Principles Examination
- College and Work Readiness Assessment (CWRA+)
- Computer Programming 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.*

- Software Engineering (PLTW) (8470/36 weeks)

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

- Science, Technology, Engineering and Mathematics
  - Engineering and Technology
    - Computer Hardware Engineer
    - Computer Programmer
    - Computer Software Engineer
  - Science and Mathematics
    - Secondary School Teacher