

Industry Credentials, Concentration Sequences, and Career Clusters

Aerospace Engineering (PLTW) (8428)

Industry Credentials:

These apply only to 36-week courses

- College and Work Readiness Assessment (CWRA+)
- National Career Readiness Certificate Assessment
- Pre-Engineering/Engineering Technology 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.*

- Introduction to Engineering Design (PLTW)

Career Clusters, Career Pathways, and Occupations:

- Science, Technology, Engineering and Mathematics
 - Engineering and Technology
 - Aerospace Engineer
 - Aerospace Engineering Technician
 - Computer Software Engineer
 - Electro-Mechanical Technician
 - Engineering Technician
 - Human Factors Engineer
 - Materials Engineer
 - Power Systems Engineer
 - Quality Technician
 - Systems Analyst
- Transportation, Distribution and Logistics

- Transportation Operations
 - Flight Engineer
- Transportation Systems/Infrastructure Planning, Management and Regulation
 - Aerospace Engineer
 - Pilot