

Industry Credentials, Concentration Sequences, and Career Clusters

Engineering Drawing and Design (8436, 8493)

Industry Credentials:

These apply only to 36-week courses.

- Autodesk Certified Professional Examinations
- Autodesk Certified User Examinations
- Certified SOLIDWORKS Associate (CSWA) Examination
- College and Work Readiness Assessment (CWRA+)
- Mechanical Drafting and Design Assessment
- National Career Readiness Certificate Assessment
- Technical Drafting Examination
- 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.*

- Advanced Drawing and Design (8438/36 weeks)
- Architectural Drawing and Design (8437/36 weeks)
- Architectural Drawing and Design (8492/18 weeks)
- Digital Visualization (8459/36 weeks)
- Technical Drawing and Design (8434/18 weeks)
- Technical Drawing and Design (8435/36 weeks)

Career Clusters, Career Pathways, and Occupations:

- Science, Technology, Engineering and Mathematics
 - Engineering and Technology
 - Aeronautical Drafter
 - Aerospace Engineering Technician
 - Commercial and Industrial Designer
 - Electrical Drafter
 - Electrical Engineering Technician

- Electro-Mechanical Technician
- Electronic Drafter
- Engineer
- Engineering Technician
- Industrial Engineer
- Industrial Engineering Technician
- Mechanical Drafter
- Mechanical Engineer
- Mechanical Engineering Technician
- Pipeline Drafter