

# Industry Credentials, Concentration Sequences, and Career Clusters

## Production Systems

**(8446 18 weeks / 8447 36 weeks)**

### Industry Credentials:

*These apply only to 36-week courses.*

College and Work Readiness Assessment (CWRA+)  
National Career Readiness Certificate 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.*

Construction Technology (8431/36 weeks)  
Construction Technology (8432/18 weeks)  
Manufacturing Systems I (8425/36 weeks)  
Manufacturing Systems I (8426/18 weeks)  
Materials and Processes Technology (8433/36 weeks)  
Materials and Processes Technology (8478/18 weeks)  
Technical Drawing and Design (8435/36 weeks)  
Technical Drawing and Design (8434/18 weeks)  
Technology Foundations (8403/36 weeks)  
Technology Foundations (8402/18 weeks)

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

- Manufacturing
  - Logistics and Inventory Control
    - Logistician
  - Manufacturing Production Process Development
    - Industrial Engineer
    - Industrial Engineering Technician
    - Manufacturing Systems Engineer

- Precision Inspector, Tester, or Grader
  - Production Manager
- Production
  - Assembler
  - Automated Manufacturing Technician
- Quality Assurance
  - Quality Control Technician