Manufacturing, Engineering, Technology, & Trades College & Career Pathway Endorsement (Welding, AIM, AET)

Overview

The College & Career Pathway Endorsement (CCPE) is awarded to students who complete specific courses and Work-Based Learning opportunities in their identified career pathway. This typically includes four semesters of content-specific coursework, six hours of early-college credit, 60 hours of pathway-specific work experience, and supplemental activities such as Team-Based Challenges and other opportunities that increase students' exploration of the endorsement area. Please note that classes may be taken at LHS or Wilco Area Career Center as noted in the Courses section.

Work-Based Learning

Team-Based Challenges, Mentoring

Students will solve real-world scenarios as part of their coursework in this program. Creating solutions to customer production needs, ensuring workplace safety, and mastering technical competencies are all explored in the context of group problem solving with industry mentors.

60 hours of Career Development Experience

Students in this pathway will have career experiences with the Wilco Area Career Center's Welding fabrication shop and JJC's AET and AIM programs' summer internships. These opportunities give students insight into typical work environments and duties to help determine the fit of this career pathway.

Post-secondary Educational Programs

For students who want to continue their education and training in this pathway, there are several options. These local institutions have programs that use the dual credits earned in this CCPE:

Joliet Junior College:

- AAS in Mechanical Production Technology
- AAS in Precision Machine Technology
- AAS in Electrical/Electronic Automated Systems
- AAS in Industrial Maintenance Technology
- AAS in Welding Technology

Courses

Course	Description/Details
Orientation to Industrial Technology	**Grade 9** Location: LHS Two semesters No early college credit
Welding Technology I	**Grade 11** Location: Wilco Two semesters Six credit hours of early college credit (JJC: WLDG 101 & WLDG 110)
Welding Technology II	**Grade 12** Location: Wilco Two semesters Three credit hours of early college credit (JJC: WLDG 120)
AIM, Fall Semester	**Grade 12** Location: JJC One semester Six credit hours of early college credit (JJC: IMT 101 & IMT 121)
AIM, Spring Semester	**Grade 12** Location: JJC One semester Eight credit hours of early college credit (JJC: EEAS 101 & EEAS 111)
AET, Fall Semester	**Grade 12** Location: JJC One semester Four credit hours of early college credit (JJC: MFG 101)
AET, Spring Semester	**Grade 12** Location: JJC One semester Seven credit hours of early college credit (JJC: MFG 111 & MFG 115)