Information Technology College & Career Pathway Endorsements
(Computer Installation Repair/ Computer Science)

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. The IT pathway holds two CCPE routes: Computer Science CCPE and Computer Installation and Repair CCPE. Differentiation in coursework for each CCPE is noted on the course list.

Work-Based Learning

Team-Based Challenges, Mentoring

Students will solve real-world scenarios as part of their coursework in this program. Creating networks, troubleshooting user issues, and emerging topics in information technology 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 LHS help desk, troubleshooting and repairing student devices and assisting other IT needs in the building. For students with a Cybersecurity focus, tasks involving security technologies, threat detection, and response procedures will be routed to these students. 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. Two local institutions with Information Technology programs that use the dual credits earned in this CCPE include:

Lewis University:

- Bachelor of Computer Science

Joliet Junior College:

- AAS in Computer Programming
- AAS in Computer Network Systems

College and Career Pathway Endorsement
Information Technology
ILLINOIS STATE BOARD OF EDUCATION

- Computer Network Support Specialist Certificate

Courses

Course	Description/Details
Technology Concepts (Both CCPE)	**Grade 9** Location: LHS One semester No early college credit
Computer Applications (Both CCPE)	**Grade 9/10** Location: LHS One semester Three credit hours of early college credit (JJC: CIS 126)
AP Computer Science Principles (Computer Science CCPE)	**Grade 10** Location: LHS Two semesters Three credit hours of early college credit with AP score (JJC: CIS 130)
AP Computer Science A (Computer Science CCPE)	**Grade 11** Location: LHS Two semesters Three credit hours of early college credit with AP score (JJC: CIS 236)
AP Cybersecurity (Both CCPE)	**Grade 10/11/12** Location: LHS Two semesters Three credit hours of early college credit with AP score
AP Networking (Both CCPE)	**Grade 10/11/12** Location: LHS Two semesters Three credit hours of early college credit with AP score
Computer Maintenance II (Computer Installation and Repair CCPE)	**Grade 11/12** Location: Wilco One semester Seven credit hours of early college credit (JJC: CIS 145 & CIS 275)
Computer Maintenance I (Computer Installation and Repair CCPE)	**Grade 11/12** Location: Wilco One semester Three credit hours of early college credit (JJC: CIS 122)