

# COMPUTER & NETWORK SYSTEMS

## COMPUTER MAINTENANCE

### Grades 10-12

Understand computer performance, provide technical support, and install software/hardware for computer users. Practice fielding inquiries, running diagnostic tests to resolve issues, and installing updates to existing software. Additionally, learn about the responsibility for setting up new equipment, performing minor repair work and keeping records of service, as well as create manuals and train others on hardware and software.

## Networking

### Grades 11-12

Understand the need of a computer network, the components used in it, and how to maintain it all. Practice setting a network, securing all aspects of a network, and research and resolve breaches/issues. Additionally, learn about the responsibility for setting up new equipment, performing minor repair work and keeping records of service.

## Computer Technician

### Grade 12

Practice the skills you have learned in Computer Maintenance and Networking by assisting district technicians setup and maintain the technology around the school. Gain valuable real-world experience while you apply what you have learned. Duties include assisting school personnel with all tech concerns, assess and repair damaged computers and laptops, solve network issues, and other tech duties as they arise. This hands on approach allows to students to work independently on troubleshooting hardware and software problems.

## Certifications

- **Testout PC Technician**
- **CompTia A+**
- **CompTia Network +**

With these industry-wide recognized certifications, it will prepare students for entry-level positions, such as technicians, all the way up to Network Engineers

## CTSO

- **SkillsUSA**

## Articulation

Students who enter the Computer Network series of courses and earn a grade of 85 or better can receive credit at EPCC for the following courses: ITSC1325 Personal Computer Hardware and ITNW 1325 Fundamentals of Networking Technologies.

