Networking Systems Program of Study

Prepare for your future in computer maintenance, cybersecurity and networking through practical coursework and workplace experiences.

RECOMMENDED COURSE SEQUENCE

1 Principles of Information Technology (1 credit) (9th – 10th Grade)
Develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Explore a variety of careers in IT, such as Computer Technician, Software Engineer, and Network Administrator.

2 Computer Maintenance and Lab (HCTC) (2 credits) (10th – 11th Grade)
Gain knowledge and skills in the area of computer technologies including advanced knowledge of electrical and electronic theory, computer principles, and components related to the installation, diagnosis, service and repair of computer-based technology systems.

3 Networking Security and Lab (HCTC) (2 credits) (11th – 12th Grade)
Continue the study of networking technologies in a high-tech learning environment that provides students the knowledge and experience to enter the workforce and/or further their education and training to prepare for industry certifications.

4 Practicum in Information Technology* (HCTC) (2 credits) (12th Grade)
Students apply knowledge and skills acquired in pre-requisite courses to entry-level work in the information technology industry. Students work with industry mentors and the course instructor to apply information technology concepts and standards to gain on-the-job-training.

For more information about CTE Course requirements, view our EMS ISD Course Description Handbook.

*Indicates a TEA approved Advanced CTE Course