



IT: NETWORK & SECURITY

Course Description:

IT Network and Security is a 1 or 2 year program that focuses on information technology related industry certifications. These certifications are geared towards hardware, operating systems, networking, security and customer relations. Students work to master foundational skill before moving onto advance curriculum opportunities. Our goal is to expose students to a well-rounded information technology curriculum which will allow them to make educated career and life decisions.

- Students learn fundamental skills in PC hardware, operating systems, network topologies, protocols, and operating systems; internet technologies, customer service, and office applications.
- Successful completion of the program will result in opportunities for program and industry certifications.
- A large emphasis is placed on curriculum vocabulary, industry standards/certification, college articulation, hands-on activities, project-based management and time management.
- Gain skills in wired and wireless networking, customer service, computer/technology troubleshooting, soldering and security practices.

High School Credit: Students will earn elective credit at their high school upon completion of this course. Please see a high school counselor (based on district decision) for eligibility towards 4th-year math-related credit, VPAA credit, and waived credits for third year science and second year world language.

College Credit: Davenport University (Up to 46 credits), also several Michigan post-secondary education partners offer direct and articulate credit for this course. For specifics, visit the **College & Career Services** tab on our website.



Careerline
Tech Center

Students who would benefit from this program are those who enjoy working on multiple projects at once, troubleshooting, possess strong technical skills, respect the privacy of information technology, and are detail oriented.

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LENGTH OF PROGRAM
1 year, with option to return

Instructor:

Ken Toth
ktoth@oaisd.org

Related Careers with 2022 Median Annual Pay from O*Net

- Network Support Specialist \$ 68,050
- IT Project Manager \$ 78,620
- IT Analyst \$ 97,980
- Network Administrator \$ 90,520
- Cyber Security Analyst \$112,020
- And many more

Experience the CTC Difference!



TO ENROLL

bit.ly/CTCenroll



QUESTIONS?

Contact Jannette Bole
jbole@oaisd.org



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Careerline Tech Center

13663 Port Sheldon Street | Holland | 616-738-8950

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Course Outline:

1st Semester: Hardware, Operating Systems and Networking.

2nd Semester: Networking, Customer Service and Security.

Resources Used:

TestOut.com (curriculum and simulations), Hardware (Desktop, laptop, networking equipment), and Azure education/student account will provide O/S. *All resources needed to work towards curriculum/certification goals will be provided.*

Postsecondary Partners:

Davenport University, Ferris State University, also Industry Certification earned in class may articulate into postsecondary course credit depending on school and certification.

Work-Based Learning: All students at CTC have the opportunity to participate in experiences (such as guest speakers, tours, and work experiences) that connect them with local employers in their program area.

WBL Partners: CompRenew, JR Automation & Spectrum Health.

Certifications Offered: CompTIA IT Fundamentals+, Information Technology Specialist Certs in Network Security, Cybersecurity, Device Configuration and Management, and Specialist Networking; Customer Service Specialist from ETA, TestOut (PCPro, NetworkPro, SecurityPro, LinuxPro, Ethical HackerPro), Advanced CompTIA (A+, Network+, Security+, Linux+, CySA+) and more.

Safety Trainings Provided: Technology/information, security, basic hand tools, electricity and grounding.

Student Leadership Opportunities: A student led technology recycle drive, CTC paid certification opportunities, Microsoft Azure Software Account, blended curriculum experience.

Capstone: Upon course completion and with teacher recommendation, qualifying students may extend their learning through Capstone. This highly independent course has rigorous attendance and employability requirements. Enrollment starts in May. See your work-based learning coordinator for more information.