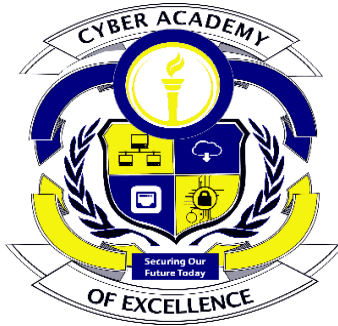# Welcome Letter



# Networking Fundamentals

Networking Fundamentals is the second course in the Networking pathway in the Information Technology cluster. This course is designed for students to understand how computers communicate and how they are connected to the world. Starting with a building block of knowledge of networks, local area networks, IP Addresses, subnetting, and data routes from a LAN to a WAN. This course is designed to provide students with the background necessary to understand the local area networking information on workstations and networking. Students will learn the processes involved in designing, implementing, upgrading, managing, and otherwise working with networks and network technologies.

Various forms of technologies will be used to expose students to resources, software, and applications of networking. Professional communication skills and practices, problem-solving, ethical, and legal issues, and the impact of effective presentation skills are enhanced in this course to prepare students to be college and career ready. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organizations are integral components of both the employability skills standards and content standards for this course.

My name is Don Welch, and I would like to welcome you to Networking Fundamentals. My goal is to prepare you for the Information Technology pathway, whether it is Cybersecurity, Computer Networking, or Computer Science. I am excited to have you in this class and know that we will have an amazing experience together this semester.

Prerequisite: Students enrolled in this course should have successfully completed Introduction to Hardware Technology.

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