

# CTI 120 NETWORK & SECURITY FOUNDATION

## COURSE DESCRIPTION:

Prerequisites: None

Corequisites: None

This course introduces students to the Network concepts, including networking terminology and protocols, local and wide area networks, and network standards. Emphasis is placed on securing information systems and the various implementation policies. Upon completion, students should be able to perform basic tasks related to networking mathematics, terminology, media and protocols.

Course Hours per Week: Class, 2 Lab, 2 Semester Hours Credit, 3.

## LEARNING OUTCOMES:

Upon completing requirements for this course, the student will be able to:

A. Perform basic calculations necessary for network operations.

1. Identify network components and topologies

2. Identify address and naming systems

3. Configure computers for network access

2.

B. Routers

C. Media

III. Protocols and Services

A. OSI model

B. IPv4 and IPv6

C.