



BAKER COLLEGE
STUDENT LEARNING OUTCOMES

CSC2010A CISCO Networking I
3 Semester Hours

Student Learning Outcomes & Enabling Objectives

1. Demonstrate the skills and knowledge related to network protocols, topologies, models, and IP address schemes.
 - a. Describe the fundamental concepts, technologies, components and issues related to communications and data networks.
 - b. Track or trace and identify the packets involved in a simple TCP connection.
 2. Design a basic network architecture given a specific need and set of hosts/clients.
 - a. Calculate binary, hexadecimal, and decimal conversions to create IP subnets based off of network utilization and industry scenarios
 - b. Configure basic settings on network devices to ensure network connectivity between devices on a small network
 3. Demonstrate competency with standard networking tools for monitoring, design, implementation, and configuration.
 - a. Use a network monitoring tools to observe the flow of packets (e.g., WireShark).
 - b. Perform network mapping (enumeration and identification of network components) (e.g., Nmap).
 4. Identify common network vulnerabilities and simple mitigation procedures.
 - a. Describe common network vulnerabilities.
 - b. Identify simple security measures to mitigate vulnerabilities
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CAE-CD Technical Core: Basic Networking (BNW)

These SLOs are approved for experiential credit.

Effective: Fall 2020