BAKER COLLEGE
STUDENT LEARNING OUTCOMES

CSC2020A CISCO Networking II
3 Semester Hours

Student Learning Outcomes & Enabling Objectives

1. Demonstrate the skills and knowledge related to VLANs and Inter-VLAN routing.
   a. Configure VLANs and Inter-VLAN routing applying security best practices.
   b. Troubleshoot inter-VLAN routing on Layer 3 devices Design a basic network architecture given a specific need and set of hosts/clients.
2. Demonstrate the skills and knowledge to configure basic switching configurations utilizing proper security best practices.
   a. Configure redundancy on a switched network using STP and EtherChannel.
   b. Troubleshoot EtherChannel on switched networks.
3. Implement standard routing configurations and security best practices on routers.
   a. Explain how to support available and reliable networks using dynamic addressing and first-hop redundancy protocols.
   b. Configure dynamic address allocation in IPv6 networks.
   c. Configure IPv4 and IPv6 static routing on routers.
4. Demonstrate the skills and knowledge to implement security settings on switches and routers.
   a. Configure WLANs using a WLC and L2 security best practices.
   b. Configure switch security to mitigate LAN attacks.

CAE-CD Technical Core: Basic Networking (BNW)
These SLOs are approved for experiential credit.

Effective: Fall 2020