



BAKER COLLEGE
STUDENT LEARNING OUTCOMES

CSC 2120 Cisco CCNA Networking II
3 Semester Hours

Student Learning Outcomes & Enabling Objectives

1. Focuses on the WAN technologies and network services required by converged applications in a complex network. By the end of this course, students will be able to configure PPPoE, GRE, single-homed eBGP, extended IPv4 and IPv6 ACLs. Students will also develop the knowledge and skills needed to implement a WLAN in a small-to-medium network. For LANs, students will be able to configure SNMP and Cisco SPAN. Students will also develop knowledge about QoS and the trends in networking including Cloud, virtualization, and SDN.
 - a. Explain and select WAN access technologies available to small to medium-sized business networks.
 - b. Explain, configure and troubleshoot PPP and HDLC encapsulation.
 - c. Select, implement and configure broadband remote access technologies (PPPoE, VPNs, GRE and eBGP)
 - d. Configure and troubleshoot IPv4 and IPv6 ACLs.
 - e. Explain how to mitigate common LAN security Attacks and how to configure SNMP to monitor a network and trouble shoot a network problem using SPAN
 - f. Explain and implement QoS
 - g. Explain how single-area v3 and v3 OSPF routing protocol operates.
 - h. Troubleshoot end-to-end connectivity in a small to medium-sized business network, using a systematic approach.
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These SLOs are not approved for experiential credit.

Effective: Fall 2017