



**BAKER COLLEGE
STUDENT LEARNING OUTCOMES**

**CSC 4210 CCNP Route
4 Semester Hours**

Student Learning Outcomes & Enabling Objectives

1. Differentiate between various routing protocols including how different traffic types, network types, and overlaying network technologies influence routing in an enterprise network.
 - a. Implement EIGRP in an enterprise network
 - b. Implement OSPF in an enterprise network
 - c. Implement various mechanisms for controlling routing updates and traffic
 - d. Implement path control using IP SLA and PBR
 - e. Identify the Internet connectivity needs of enterprise organizations including how autonomous system (AS) numbers are used
 - f. Implement BGP to allow an enterprise network to connect to an ISP
 - g. Describe a router's operational architecture and implement the recommended steps for securing a Cisco router and routing protocol
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These SLOs are not approved for experiential credit.

Effective: Fall 2017