

Inver Hills Community College

ITC 2535: Scaling and Connecting Networks (CCNA 3/4)

A. COURSE DESCRIPTION

Credits: 6

Lecture Hours/Week: 4

Lab Hours/Week: 4

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Explore and configure the architecture, components, and operations of routers and switches in larger and more complex local and wide area networks as well as network services required by converged applications. Technologies included in this course include WAN layer two protocols, wireless, OSPF, EIGRP, VPNs, and STP in both IPv4 and IPv6 networks. Students will understand the selection criteria of network devices and technologies to meet network requirements as well as practice their configuration and troubleshooting.

B. COURSE EFFECTIVE DATES: 07/01/2016 - 07/31/2020

C. OUTLINE OF MAJOR CONTENT AREAS

None

D. LEARNING OUTCOMES (General)

None

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted