

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: ITN 101

Credits: 4

Course Title: Introduction to Network Concepts

Course Description

Provides instruction in networking media, physical and logical topologies, common networking standards and popular networking protocols. Emphasizes the TCP/IP protocol suite and related IP addressing schemes, including CIDR. Includes selected topics in network implementation, support, and LAN/WAN connectivity. Prerequisite: ITE 221 or school approval. Lecture 4 hours per week.

Course Prerequisites/Corequisites

ITE 221 or school approval

Course Objectives

Upon completing the course, the student will be able to:

- a. define all the components that make a microcomputer.
- b. assemble a microcomputer.
- c. install all the microcomputer system software.
- d. install the software necessary to run a local area network.
- e. administer the local area network.
- f. install and manage network printers.
- g. install application software for a network.
- h. solve hardware and software problems induced into the network.

Major Topics to be Included

- a. Hardware boards of a computer system
- b. Network Planning
- c. Network Installation
- d. Setting up printers on the network
- e. Planning network application software
- f. Troubleshoot hardware and software problems

Effective Date of Course Content Summary: 10/17/2008