Course Prefix and Number: ITN 100  Credits: 3

Course Title: Introduction to Telecommunications

Course Description
Surveys data transmission systems, communication lines, data sets, network interfacing protocols, and modes of transmission. Emphasizes network structure and operation. Prerequisite or co-requisite: ITE 115 or school approval. Lecture 3 hours per week.

General Course Purpose
This course studies the major aspects of telecommunications services and equipment and analyzes voice, data, image, and facsimile systems.

Course Prerequisites/Corequisites
ITE115 or school approval

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

a. understand the past, the present and the future of telecommunications.
b. understand the management of telecommunications systems.
c. understand the principles of the selecting and implementing telecommunication systems.
d. understand the principles of data and voice telecommunications.
e. understand the fundamentals of telephony.
f. understand definitions for acronyms and terms used in information technology.

Major Topics to be Included

a. History of Telecommunications
b. Principles of Telecommunications Management
c. Fundamentals of Telephony
d. Telecommunications networks
e. Principles of Traffic Engineering
f. Introduction to Data Telecommunications
g. Introduction to Voice Telecommunications

Effective Date of Course Content Summary: 10/16/2008