COURSE OUTLINE

DIVISION: Information Technology

CURRICULUM: Information Technology

COURSE TITLE: Information Systems Concepts

COURSE NUMBER: ITC 102

CREDITS: 3

TYPE: Professional Technical

LENGTH: One quarter

PREREQUISITES: None

COURSE DESCRIPTION: Provides a broad introduction to computers and information systems, hardware, software, data communications, networks and the Internet, with a focus on the constantly changing roles of Information Technology (IT) professionals.

COURSE OUTCOMES: After completing the course Students will be able to:

• Identify the major hardware components of a computer
• Recognize Terms and abbreviations commonly used in the IT field
• Understand the basic concepts of binary numbering and measurement
• Identify categories of software applications and their typical use in the business and IT field
• Use printed and electronic resources and the Internet to research topics relevant to the IT field
• List the basic functions of an operating system
• Understand and discuss issues and trends in the IT field
• Communicate effectively orally and in writing
• Use presentation software to effectively supplement a presentation
• Work effectively in groups
• Recognize and appreciate the diversity both in the classroom and in the IT field and the community in general

REQUIRED TEXT: None
OTHER REFERENCES: Materials Available on the World Wide Web, Handouts, Periodicals, Library resources

TOPICAL OUTLINE:
1. Overview of Information Technology Field
2. Information Technology vocabulary and terms
3. Overview of library and Internet sources for professional information
4. Computer hardware and computer systems
5. Software concepts—programming logic
6. Operating systems and applications
7. Network concepts and the Internet
8. Current topics in Information Technology
9. Team work and diversity in the Information Technology Field