IT 111 : Information Technology Foundations I

Credits 5
Quarter Offered Fall
This course provides an overview of information technology (IT) with emphasis on making technical and business decisions. The course will introduce students to a variety of IT areas and identify their connections. Course topics include: office productivity applications, basic computer hardware, networking and security, and webpage creation and programming. Problem-based learning will be used to stress employability skills such as teamwork, written and oral communication, problem solving, trouble shooting, and project management. Students will also research an IT career path and describe the opportunities and the requirements needed for employment. Course maps to CTCITC 110 course. This class may include students from multiple sections.
Course Outcomes
Distinguish the functions of hardware, software, data, procedures, and people in a business computer system.
Identify the major hardware elements of a computer system and describe the purpose of each element.
Recognize the role of and use a variety of widely-used software packages including spreadsheets, word processors, databases, and presentation software.
List the major functions of the operating system and demonstrate how to use its essential features and commands.
Describe the programming process and the role of software in solving business-related problems.
Give examples of how communications and network technologies are used.
Explain the role of and use of the Internet.
Outline the requirements for choosing specific hardware systems and software packages.
Discuss the role of information and how management information systems (MIS) are developed and used in an organization.
Summarize what a database is including database terminology and the role it plays in a business environment including how it is used on the Web.
Discuss how multimedia can be used to enhance communication.
Recognize prominent computer-related ethical, security, privacy, and legal issues.
Give examples of career opportunities in the technology sector.