
Computer Science

COMP 110 (0715) Computer Concepts and Applications KSRN CSC1010**

Prerequisite: None, but keyboarding skills recommended

Credit Hours: 3

An introduction to the study of computer hardware and use of software including operating systems, Internet browser, word processing, spreadsheet, database, and presentation programs. Students need basic keyboarding skills to enroll in this course.

COMP 115 (0733) Spreadsheets (Microsoft Excel)

Prerequisite: None, but keyboarding skills recommended

Credit Hours: 3

This course is a comprehensive hands-on course that provides users with fundamentals, both conceptual and applied, they need to use spreadsheet software. Students learn basic and advanced features of spreadsheet use and develop the tools needed to apply this technology to business application.

COMP 120 (0717) Computer Information Systems

Prerequisite: Keyboarding Skills

Credit Hours: 3

An introduction to the use of computer-based information systems and communications technology in a business environment. Includes an introduction to information technology terminology, hardware, software, and data communications as well as a survey of programming languages and emerging computer technologies.

COMP 130 (0736) Introduction to Programming Logic

Placement Test Level: Intermediate Algebra Placement-MATH100 or above

Prerequisite: None

Credit Hours: 3

This class is an introduction to the program development and design process, including computer-based concepts of problem solving and use of tools such as flowcharts, structure charts, and pseudocode. The following is stressed in this course: basic constructs of programming including structured techniques, modular design, top-down design, coding, and testing.

COMP 135 (5516) C++ Programming

Prerequisite: COMP 138 Visual Basic Programming

Credit Hours: 3

An introduction to C++ Programming using structured programming and object oriented design.

COMP 138 (0730) Visual Basic Programming

Prerequisite: COMP 130 Introduction to Programming or MATH 100 Int. Algebra with grade B or higher

Credit Hours: 3

This course provides the beginning programmer with a solid foundation in Visual Basic programming, using visualization and application. Designed for beginners with little or no previous programming experience, this course emphasizes solid programming principles and teaches the Visual Basic language in the process. By putting standard concepts, like input, output, selection, and repetition, at the forefront, instead of focusing solely on a specific language, students will gain knowledge and insight that is easily transferable to other languages.

COMP 180 (5510) Introduction to Networking I

Prerequisite: None

Credit Hours: 3

The main goal of this course is to provide you with a comprehensive understanding of networking technologies, concepts and terminology. You will learn about the equipment and technologies used in LANs and WANs. You will learn about the network topologies used today and design a network using these topologies. A variety of network equipment will be discussed, including hubs, routers, switches, and NICs. LAN architectures are covered including Ethernet, token ring, and FDDI. Also, you will learn about wide area networking technologies and remote access technologies such as X.25, ISDN,

*Refer to the Placement Testing Procedure 3.22, page 24 **Refer to Course Transfer, page 19

frame relay, ATM, DSL, SMDS, and SONET networks. Wireless networking and handheld computing is also discussed. All major LAN and WAN protocols will be discussed including TCP/IP and the newer IPv6. In addition you will learn about the OSI layered communications model. Aside from learning the technologies involved in networking, you will get to understand the daily tasks involved with managing and troubleshooting a network. You will have a variety of hands-on and case project assignments that reinforce the concepts you read in each chapter.

COMP 182 (5511) Networking II

Prerequisite: COMP 180 Introduction to Networking I

Credit Hours: 3

This course is designed to implement the Network+ technologies from the COMP 180 Introduction to Networking I course.

COMP 192 (0729) Database Concepts (Microsoft Access)

Credit Hours: 3

Students will gain a comprehensive understanding of database architecture and function. Students will learn how to create an operational database including interactive queries, graphical user interfaces and comprehensive report using Microsoft Access. This course is designed to give a thorough knowledge of the working database that may be encountered in a professional setting.

COMP 205 Special Topics in Computing/Robotics

Prerequisite: Special Permission of Instructor

Credit Hours: 3

Covers selected topics in Networking and Computer Science. A specific programming language, application, networking, or programming topic will be listed as a subtitle.

COMP 212 (5508) Principles of Software Design

Prerequisite: COMP 135 C++ Programming

Credit Hours: 3

Intermediate programming techniques using the C++ language. Topics covered include sorting, object oriented programming, data abstraction, algorithmic design, and basic data structure including linked lists and arrays.

Criminal Justice

CRIM 101 (5551) Introduction to Administration of Justice KRSN CRJ1010**

Prerequisite: None

Credit Hours: 3

A study of the overall system of criminal justice from its early historical development to its evolution within the United States; identification of various subsystems and components – law enforcement courts, corrections, and private agencies; their role expectations and interrelationships; basic premises and crime, punishment, and rehabilitation; education and training elements; and ethics for professionalism within the system.

CRIM 111 (5567) Patrol Procedure

Prerequisite: None

Credit Hours: 3

The fundamentals of proper patrol procedures and techniques, with particular emphasis on safety, public relations, crime prevention, and the handling of routine complaints. Identifying and the handling of police problems that are most frequently encountered.

CRIM 112 Ethics in Criminal Justice

Prerequisite: None

Credit Hours: 3

This course is an examination of the ethical considerations facing the criminal justice practitioners. Some topics to be discussed include moral behavior, maintaining moral and ethical behavior under the powers of law enforcement authority,

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