

**COMM 106 (0620) Introduction to Mass Media**

Prerequisite: None

Credit Hours: 3

This course is an introduction to different forms of mass media – newspaper, magazines, books, radio, recordings, television, motion pictures and others. It is designed to give students an understanding of the media's role in society today. The course will explore the histories of the different forms of media, the evolution of the media's role in society, problems with media today, possible solutions to those problems, current media practices, mass media theory, ethics, and the media and social problems. Students will be asked to keep abreast of the media and current events through reading newspapers, watching television, listening to the radio, surfing the web, and more.

**COMM 110 (1563) Critical Thinking and Argumentation**

Placement Test Level: General Education Course Placement\*

Prerequisite: None

Credit Hours: 3

This course is an introduction to the basic theory of argument and persuasion. Students learn how to think in a clear and logical manner, analyze information critically, formulate persuasive arguments, and deliver those arguments effectively, both in oral and in written forms. Students learn how to make claims, provide evidence, explore underlying assumptions, and analyze counterpoints.

## Computer Science

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

Placement Test Level: General Education Course Placement\*

Credit Hours: 3

Prerequisite: Previous keyboarding skills or OTEC 101 Keyboarding or OTEC 102 College Keyboarding.

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: Keyboarding Skills

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**

Placement Test Level: General Education Course Placement\*

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

\*Refer to the Placement Testing Procedure 3.22, page 24 \*\* Refer to Course Transfer, page 18

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

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, 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) Network Administration Applications

Prerequisite: COMP 180 Introduction to Networking

Credit Hours: 3

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

COMP 185 Network+ Exam Review

Prerequisite: COMP 180 Introduction to Networking or permission of instructor

Credit Hours: 1

Students will prepare to take the Network+. The students will work on testing and specific skills to pass the Network+ Exam. Students must take the Network+ Exams in order to pass the 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 195 Network Security

Prerequisite: COMP 180 Introduction to Networking or permission of instructor

Credit Hours: 3

This course provides the fundamentals of network security. Topics covered include: general network security, communication security, infrastructure security, and basic cryptography. Students will also learn the threats of network security and implement ways to stop intrusions.

COMP 196 Security+ Exam Review

Prerequisite: COMP 180 Introduction to Networking or permission of instructor

Credit Hours: 1

\*Refer to the Placement Testing Procedure 3.22, page 24 \*\* Refer to Course Transfer, page 18

This course provides the fundamentals of network security. Students will also learn the threats of network security and implement ways to stop intrusions. Students will prepare to take the Security+ exam. Students must take the Security+ exam to pass the course.

#### COMP 198 PC Troubleshooting

Placement Test Level: Intermediate Algebra Placement-MATH100 or above

Credit Hours: 3

PC Troubleshooting is designed to expand the student's skill and proficiency in identifying the major motherboard form factors, installation of hardware, i.e. hard drives, memory, floppy disks, CD ROMs, and other peripherals. The student will understand how the system communicates information between the components and how to troubleshoot and solve PC problems, i.e. system conflicts, hardware conflicts, software conflicts, and other issues concerning a system's failure to operate successfully. The student will have the necessary skills to purchase, maintain, and upgrade a computer system. PC Troubleshooting is a preparation course for the A+ (220-901) certification exam.

#### COMP 199 PC Troubleshooting Application

Prerequisite: COMP 198 PC Troubleshooting or permission of instructor

Credit Hours: 3

This course is designed to expand the concepts of computer hardware installation and repair. Skills to diagnose and repair PC problems in both hardware and software will be explored.

#### COMP 200 Operating Systems

Prerequisite: COMP 198 PC Troubleshooting

Credit Hours: 3

This course will cover the principles of modern operating systems. Students will learn about the details of concurrent processes, multi-threads, CPU scheduling, memory management, file system, storage subsystem, and input/output management. The course will integrate theory and practice through coordinated lecture and lab activities.

#### COMP 201 Network Server

Prerequisite: COMP 182 Network Administration Applications

Credit Hours: 3

This course will show users how to install and configure Windows Server software, as well as how to install and configure Active Directory. The course covers how to install and manage print services, how to handle TCP/IP addresses, and how to set up and manage directory services, domains and trust relationships in a Windows server based environment. It discusses how to manage users and groups, including details on profiles, policies, and groups, and covers how Windows sever controls access to NTFS files and directories, and how to manage shares. The course concludes by covering strategies for backing up and restoring a Windows Server machine and discussing security strategies for Windows Server OS.

#### COMP 202 Network Server Applications

Prerequisite: COMP 201 Network Server

Credit Hours: 3

This course is designed to use the information from the COMP 201 course for practical use in the classroom lab. The student will be required to apply the objectives to the design and installing of server software.

#### COMP 203 CompTIA A+ Exam Review

Prerequisite: COMP 198 PC Troubleshooting or instructor permission

Credit Hours: 1

Students will prepare to take the A+ exams 220-901 and 220-902. The students will work on testing and specific skills to pass the A+ exams. Students must take the A+ exams in order to pass the course.

#### COMP 204 Server+ Exam Review

Prerequisite: COMP 201 Network Server or permission of instructor

Credit Hours: 1

Students will prepare to take the Server+ exam. The students will work on testing and specific skill to pass the Server+ exam. Students must take the Server+ exam in order to pass the course.

\*Refer to the Placement Testing Procedure 3.22, page 24 \*\* Refer to Course Transfer, page 18

**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.

**COMP 214 (5509) Concepts of Computer Systems**

Prerequisite: COMP 135 C++ Programming

Credit Hours: 3

An introduction of computer systems constructs, including compilers, assemblers, linking, loading, input and output, system monitors, memory organization, processor structure, and resource allocation.

## Criminal Justice

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

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, ethics and law enforcement, ethics and the courts, punishment for ethical violations, policy and management issues, professionalism, pride and ethics for practitioners. By the end of the course, students will have a better understanding of ethical and moral issues within the criminal justice system.

**CRIM 118 Drugs in Society**

Prerequisite: None

Credit Hours: 3

Why do people take drugs? What is the impact of drugs and addiction to society? How does society attempt to control drug use and distribution? What are the relationships between drugs and crime?

Exploring questions such as these will be the central focus on this class. We will look at the nature of the drug crisis. We will first look at statistical evidence of drug use, how we measure this, and the question of "Why do people get high?" We will also look deep into the history of drugs, prohibition, and current trends. Once we have covered these critical areas, we will look into the distribution and illicit drug trades, both domestic and foreign. We'll continue on and discuss other topics such as gangs, organized

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