COMPUTER PROCESSING (COPR)

COPR 1108. Survey of Online Instruction & Technology. (1 Credit)
A course designed to familiarize online faculty with Darton college policies and to assure a basic level of WebCT Vista and Banner software ability as needed for the development and teaching of online classes for Darton College. Prerequisites: Permission of the Dean/Division Chair. Offered: On demand.

COPR 1114. Facilitating Learning Online. (2 Credits)
This course is designed for faculty and future teachers who are or may be facilitating online courses. This course demonstrates and shares a spectrum of online learning concepts, theories, and principles using interactive and collaborative experiences. It is designed to improve the facilitation skills of faculty members who offer online courses in higher education and is focused on theory, concepts, and practices for effective online facilitation. Credit for graduation may be received only for COPR 1114 or COPR 1131. COPR 1114 and COPR 1131 are related courses; credit may not be received for both. Prerequisite: None. Corequisites: None. Offered: On Demand.

COPR 1122. Intro/Instructional Technology. (3 Credits)
A course designed to introduce the student to the use of computers, software and the Internet in the online academic setting. This course will offer a survey of the theory of instructional design and the use of the computer as an instructional tool. Prerequisites: None. Corequisites: None. Offered: On demand.

COPR 1123. Web-based tools/Appl for Educ. (3 Credits)
A course designed to introduce the student to the selection, creation, utilization and evaluation of web-based tools in the online classroom environment. Students will learn how to evaluate and select web-based tools and applications for use in the online classroom as well as how to implement and utilize applications in the online classroom setting. Prerequisites: None. Corequisites: None. Offered: On demand.

COPR 1124. Online Communication Tech. (3 Credits)
A course designed to introduce the student to a variety of communication technologies that can be used in the online classroom environment. Students will learn how to use discussion boards, email, voice/video chat, instant messaging, and blog/journaling within their courses to enhance student-teacher and student-student communication. Prerequisites: None. Corequisites: None. Offered: On demand.

COPR 1125. Instructional Design/Onl Cours. (3 Credits)
A course designed to familiarize students with the process of instructional design. This course will introduce students to the systematic process of analyzing the learner, developing and selecting objectives, assessment instruments, instrucitonal materials and evaluating and re-evaluating the instructional design of a course. Prerequisites: None. Corequisites: None. Offered: On demand.

COPR 1131. Success in Onl Instruction & L. (2 Credits)
This course is designed for those who are or may be facilitating online courses. This course demonstrates and shares a spectrum of online learning concepts, theories, and principles using interactive and collaborative experiences. It is designed to improve the facilitation skills of faculty members and business trainers who offer online courses and is focused on theory, concepts, and practices for effective online facilitation. Credit for graduation may be received only for (a) COPR 1114 or (b) COPR 1131. COPR 1114 and COPR 1131 are related courses; credit may not be received for both. Prerequisites: None. Corequisites: None. Offered: On demand.

COPR 2226. Advanced PowerPoint/Access. (3 Credits)
COPR 2226 Advanced PowerPoint/Access (3-0-3) The course offers students the opportunity to develop advanced skills using Microsoft PowerPoint and Microsoft Access at levels appropriate for the Microsoft Office Specialist exams. Prerequisites: CISM 2201 or CISM 1101 or permission of instructor. Corequisites: None. Offered: On demand.

COPR 2235. Database Management Systems. (3 Credits)
This course will study database management theory and practice. Experience with designing, creating and using databases will be gained through hands-on projects using software packages such as Microsoft Access. This course is also listed as CSCI 2235. Prerequisite: CISM 2201 with a grade of C or better or permission of instructor. Offered: As needed.

COPR 2244. Introduction to Networking.. (4 Credits)
Provides an overview of LAN, MAN and WAN networking concepts and technologies including media, devices, topologies, the OSI model, protocols, network architectures, and troubleshooting techniques. Basic network administration and concepts are introduced with an emphasis on practical networking situations. Corequisite: None. Prerequisite: Completion or exemption of all learning support requirements. Offered: On demand.

COPR 2245. Configuring Windows Client Operating Systems. (5 Credits)

COPR 2246. Managing and Maintaining a Windows Server. (5 Credits)
Designed for students to learn the proper procedures to install, manage and maintain a windows server network operationg system. The course focuses on installing the OS, supporting applications and server roles. Prerequisite: COPR 2244 with a grade of C or permission of Division Dean. Offered: On demand.

COPR 2250. Computer Systems Support I. (3 Credits)
Topics include, but are not limited to: how to install hardware such as drives, modems, memory, network cards, etc.; installing software, resolving conflicts, configuring IRQs; using printer and video drivers; and configuring PC operating systems. Follows A+ certification curriculum. Prerequisite: Grade of C or better in CISM 2201 or permission of instructor. Offered: Fall, Spring.

COPR 2255. Special Problems in Comp Sys. (3 Credits)
This course is designed to provide students with the opportunity to study one or more of a broad range of current topics and applications. The topics chosen may be those that are not covered in another course and that reflect the rapidly changing nature of this field. Students may use a maximum of 12 hours of Special Topics in Computer Systems in a program of study. Corequisite: To be determined by instructor. Prerequisite: To be determined by instructor. Offered: On demand.

COPR 2257. Special Problems in Comp Sys. (1 Credit)
This course is designed to provide students with the opportunity to study one or more of a broad range of current topics and applications. The topics chosen may be those that are not covered in another course and that reflect the rapidly changing nature of this field. Students may use a maximum of 12 hours of Special Topics in Computer Systems in a program of study. Corequisite/Prerequisite: To be determined by instructor. Offered: On demand.

COPR 2281. Networking for Home and Small Businesses. (5 Credits)
CCNA1: Networking Basics is the first of the four courses leading to the Cisco Certified Network Associate (CCNA) certification. The goal of this course is to introduce the student to fundamental networking concepts and technologies. This course provides a hands-on introduction to networking and the Internet using tools and hardware commonly found in the home and small business environment. This course covers skills necessary to plan and implement small networks across a range of applications needed to obtain entry-level Home Network Installer jobs. It also provides the foundation skills needed for Network Technician, Computer Technician, Cable Installer, and Help Desk Technician jobs. Hands-on labs will reinforce lectures. Prerequisite: Grade of C or better in CISM 2201 or permission of division Dean. Students without some background in computer networks may find taking COPR 2244 prior to this course helpful. Offered: On demand.

COPR 2282. Working at a Small-to-Medium Business or ISP. (5 Credits)
CCNA2: Working at a Small-to-Medium Business or ISP is the second of four courses leading to the Cisco Certified Network Associate (CCNA) certification. The goal of this course is to assist the student in developing the skills necessary to provide customer support to users of small-to-medium-sized networks and across a range of applications. The course provides an introduction to routing and remote access, addressing and network services. It will also familiarize the student with servers providing email services, web space, and Authenticated Access. This course covers skills required for entry-level Help Desk Technician and entry-lever Network Technician jobs. In addition, the student will complete preparation for the Cisco Certified Entry network Technician (CCENT) exam. Hands-on labs will reinforce lectures. Prerequisite: COPR 2281. Offered: On demand.

COPR 2283. Introducing Routing and Switching in the Enterprise. (5 Credits)
CCNA3: Introducing Routing and Switching in the Enterprise is the third of four coursse leading to the Cisco Certified network Associate (CCNA) certification. The goal of this course is to assist the student in developing skills necessary to use protocols to maximize enterprise LAN and WAN performance. The course provides more advanced configurations of switching and routing protocols, configuration of access control lists, and basic implementation of WAN links. It also provides detailed troubleshooting guidance for LAN, WAN, and VLAN implementations. This course prepars the student with the skiills required for entry-level Network Technician, Help Desk Technician and Computer Technician jobs. Hands-on labs will reinforce lectures. Prerequisite: COPR 2282. Offered: On demand.

COPR 2284. Designing and Supporting Computer Networks. (5 Credits)
CCNA4: Designing and Supporting Computer Networks is the last of four courses leading to the Cisco Certified Network Associate (CCNA) certification. The goal of this course is to assist the student in developing the skills necessary to design small Enterprise LANs and WANs. The course provides an introduction to collecting customer requirements, translating those requirements into equipment and protocol needs, and creating a network topology which addresses the needs of the customer. It will also familiarize the student with how to create and implement a design proposal for a customer. This course prepares the student with the skills requierd for entry-level Pre-Sales Support and entry-level Network Design jobs. In addition, the student will complete preparation for the CCNA exam. Hands-on labs will reinforce lectures. Prerequisite: COPR 2283. Offered: On demand.

COPR 2301. Maintaining a Windows Network Infrastructure. (5 Credits)
Designed to provide students with the knowledge and skills necessary to successfully plan, implement, and troubleshoot a Microsoft Windows server network infrastructure. The course focuses on forest and domain structure, Domain Name System (DNS), site topology and replication, organizational unit structure and delegation of administration, Group Policy, and user, group, and computer account strategies. Prerequisites: COPR 2246 with grade of C or better or permission of division Dean. Offered: On demand.

COPR 2321. Basic Principles of Network Security. (3 Credits)
COPR 2321 Basic Principles of Network Security (3-0-3) This course provides an introduction in the basics of network security. Topics include providing a secure framework for an organization, the basics of cryptography, the development of policies and procedures for overall security and various methods of attack and potential compromise of a computer or networking system. Prerequisite: COPR 2244 or COPR 2250 or COPR 2281 or permission of instructor. Offered: On demand.

COPR 2328. Enterprise Messaging. (5 Credits)
This course provides an introduction into the basics of enterprise messaging with a focus on Microsoft Exchange. Topics include configuring Outlook and Outlook Web Access (OWA) clients, the administration of Public Folders, configuring and managing Exchange Server. Managing Routing and Internet Connectivity, backup and recovery or Exchange Server and securing Exchange Server. Prerequisites: COPR 2246 or permission of division Dean. Offered: On demand.

COPR 2330. Implementing and maintaining SQL Server. (5 Credits)
This course provides an introduction into the basics of SQL Server operations. Topics include installing and configuring SQL Server, implementing high availability and disaster recovery, supporting data clients, maintaining databases, monitoring and troubleshooting SQL Server performance and creating and implementing database objects. Prerequisites: COPR 2246 or permission of division Dean. Corequisites: None. Offered: On demand.

COPR 2341. Microsoft Word Applications. (3 Credits)
An intermediate study of Microsoft Word. Topics will include creating a table of contents and index; tracking, accepting, and rejecting document changes; creating, editing, and running macros; and creating forms. Extensive hands-on exercises are included. Prerequisite: CISM 1100, CISM 2201, or permission of instructor. Offered: On demand.

COPR 2342. Advanced Microsoft Word Applicaitons. (3 Credits)
An advanced study of Microsoft Word with an emphasis on desktop publishing applications. Extensive hands-on exercises are included. Prerequisite: COPR 2341 or permission of instructor. Offered: On demand.

COPR 2405. Advanced Cisco: Implementing Cisco IOS Network Security. (5 Credits)
This course develops associate-level knowledge and skills required to secure Cisco networks. the student will exercise the skills required to develop a security infrastructure, recognize threats, and vulnerabilities to networks, and mitigate security threats. The CCNA Security curriculum emphasizes core security technologies, the installation, troubleshooting and monitoring of network devices to maintain integrity, confidentiality and availability of data and devices, and competency in the technologies that Cisco uses in its security structure. Prerequisites: COPR 2284 - Cisco IV, or Cisco Certified Network Associate (CCNA) designation, or permission of division Dean.

COPR 2407. Advanced Cisco: Implementing Cisco IOS Unified Communications. (5 Credits)
This course develops the required skill set for specialized job roles in voice technologies such as voice technologies administrator, voice engineer, and voice manager. The student will exercise skills in VoIP technologies such as IP PBX, IP telephony, handset, call control, and voicemail solutions. The CCNA Voice curriculum provides a strong foundation in voice applications and infrastructure concepts; and the skills to perform baseline installation, operation, and maintenance tasks on Cisco VoIP solutions, particularly the Smart Business Communications system from 8-250 lines. Prerequisites: COPR 2284 - Cisco IV, or Cisco Certified network Associate (CCNA) designation, or permission of division Dean.

COPR 2409. Advanced Cisco: Implementing cisco Unified Wireless Networking Essentials. (5 Credits)
This course develops the knowledge and skills necessary to configure, implement and support wirelss LANs, specifically those networks using Cisco equipment. With CCNA Wireless the student will learn how to support a basic wireless network on a Cisco WLAN in a SMB to enterprise network. The CCNA Wireless curriculum includes information and practice activities to enable them to configure, monitor and troubleshoot basic tasks of a Cisco WLAN in SMB and Enterprise networks. Prerequisites: COPR 2284 - Cisco IV, or Cisco Certified network Associate (CCNA) designation, or permission of division Dean.

COPR 4464. Success/Online Inst & Learning. (2 Credits)
COPR 1131 Success in Online Instruction and Learning This course is designed for those who are or may be facilitating online courses. This course demonstrates and shares a spectrum of online learning concepts, theories, and principles using interactive and collaborative experiences. It is designed to improve the facilitation skills of faculty members and business trainers who offer online courses and is focused on theory, concepts, and practices for effective online facilitation. Credit for graduation may be received only for COPR 1114 or COPR 1131. COPR 1114 and COPR 1131 are related courses; credit may not be received for both.Prequisites: None. Corequisites: None. Offered: On demand.