

CTS: COMPUTER TECH & SKILLS

Courses	Credit(s)	Contact	Lab
CTS 1120C. INTRODUCTION TO NETWORK SECURITY.	3	2	1
CTS 1131C. COMPUTER MAINTENANCE ESSENTIALS.	3	2	1
CTS 1134C. NETWORK ESSENTIALS.	3	2	1
CTS 1142C. INFORMATION TECHNOLOGY PROJECT MANAGEMENT.	3	2	1
CTS 1155C. INTRODUCTION TO CUSTOMER SERVICE AND HELP DESK CONCEPTS.	3	2	1
CTS 1163C. MICROSOFT WINDOWS 7. MICROSOFT WINDOWS 7 Prerequisite: CET 2179C or CTS 1131C This course will enable the student to install and administer the Microsoft Windows 7 client operating system. The student will learn about the settings in which the client is installed, and administer it for various user environments. The student will create and configure user accounts, plan and manage permissions, and configure the operating system to use various network services. The student will also backup and restore system files, manage the update process, troubleshoot problems, and audit operating system activity. This course will prepare the student for the Microsoft Certified Technology Specialist (MCTS) 70-680 exam. (Special Fee: \$66.00).	3	2	2
CTS 2145C. CLOUD ESSENTIALS.	3	2	1
CTS 2317C. ADVANCED NETWORK SECURITY. ADVANCED NETWORK SECURITY Prerequisite: CIS 1354 or CTS 1120C This course covers Network Defense and Countermeasures and the fundamentals of defending networks, such as the layered defense and defense in depth strategies. The course demonstrates the use of firewalls, ISA servers, VPNs, and IDS. The course also develops and examines risk analysis and security policies to help build a secure network. The course deals with both Windows and Linux Operating Systems. The objective of this course is mapped to the Security Certified Network Professional, Network and Defense Countermeasures exam (Special Fee: \$66.00).	3	2	1
CTS 2321C. LINUX SYSTEM ADMINISTRATION. LINUX SYSTEM ADMINISTRATION Prerequisite: COP 2341C This course on the Linux operating system covers the topics required for the Comp TIA Linux + Certification Exam. It builds on concepts of the LINUX operating system covered in COP 2341. Topics include planning a Linux implementation, installation, configuration, administration, system maintenance, troubleshooting, and system hardware.	3	2	1
CTS 2322C. RED HAT ENTERPRISE LINUX.	2	2	1

CTS 2433C. SQL SERVER DATABASE AND IMPLEMENTATION. 3 2 1

SQL SERVER DATABASE AND IMPLEMENTATION Prerequisites: CGS 2545C or Departmental approval This course teaches the student how to develop a logical data model, how to create databases, database files, and objects; space management and growth strategies. The student will use Transact SQL and Data Transformation Services to manipulate data and extract data in XML format. Programming business logic using stored procedures, transactions, triggers, user-defined functions and views also are covered. The student will learn to optimize database performance by using SQL Profiler and the Index Tuning Wizard. Security management will be covered from the viewpoint of data access, object-level security and application rolls. (Special Fee: \$66.00).

CTS 3700. DATA CENTER OPERATIONS ESSENTIALS. 3 3 0

DATA CENTER OPERATIONS ESSENTIALS Prerequisite: Minimum grades of C in CIS 3080 and CIS 3083C. Data Center Operations Essentials is designed to help students develop technical expertise in the full range of data center operations. Students will identify the roles, tools, and processes that are used to manage a data center. In addition, students will describe data center monitoring and management tasks, safety considerations for a data center and regulations that apply to a data center.