|  |  |  |
| --- | --- | --- |
| **CIS-110\_2006SP** | **Introduction to Computers** | **CIS-110** |

|  |  |
| --- | --- |
| CIS Course ID | S21058 |
| Effective Term | Spring 2006 |
| End Term |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Class | 2 | Lab | 2 | Clinical | 0 | Work | 0 | Credit | 3 |

|  |
| --- |
| This course introduces computer concepts, including fundamental functions and operations of the computer. Topics include identification of hardware components, basic computer operations, security issues, and use of software applications. Upon completion, students should be able to demonstrate an understanding of the role and function of computers and use the computer to solve problems. |

|  |
| --- |
|  |

|  |
| --- |
| Competencies |
| 1. Identify the basic elements required in a computer system. 2. Produce electronic documents using various software applications. 3. Illustrate the role of the computer for personal and professional uses. |

|  |
| --- |
|  |

|  |  |
| --- | --- |
| State Prerequisites | None |

|  |  |
| --- | --- |
| State Corequisites | None |

|  |  |  |
| --- | --- | --- |
| **CTI-110\_2009FA** | **Web, Pgm, & Db Foundation** | **CTI-110** |

|  |  |
| --- | --- |
| CIS Course ID | S22510 |
| Effective Term | Fall 2009 |
| End Term |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Class | 2 | Lab | 2 | Clinical | 0 | Work | 0 | Credit | 3 |

|  |
| --- |
| This course covers the introduction of the tools and resources available to students in programming, mark-up language and services on the Internet. Topics include standard mark-up language Internet services, creating web pages, using search engines, file transfer programs; and database design and creation with DBMS products. Upon completion students should be able to demonstrate knowledge of programming tools, deploy a web-site with mark-up tools, and create a simple database table. |

|  |
| --- |
|  |

|  |
| --- |
| Competencies |
| 1. Apply basic principles of programming logic. 2. Create a simple website with mark-up tools. 3. Create a simple database table. |

|  |
| --- |
|  |

|  |  |
| --- | --- |
| State Prerequisites | None |

|  |  |
| --- | --- |
| State Corequisites | None |

|  |  |  |
| --- | --- | --- |
| **CTI-120\_2009FA** | **Network & Sec Foundation** | **CTI-120** |

|  |  |
| --- | --- |
| CIS Course ID | S22511 |
| Effective Term | Fall 2009 |
| End Term |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Class | 2 | Lab | 2 | Clinical | 0 | Work | 0 | Credit | 3 |

|  |
| --- |
| This course introduces students to the Network concepts, including networking terminology and protocols, local and wide area networks, and network standards. Emphasis is placed on securing information systems and the various implementation policies. Upon completion, students should be able to perform basic tasks related to networking mathematics, terminology, media and protocols. |

|  |
| --- |
|  |

|  |
| --- |
| Competencies |
| 1. Perform basic calculations necessary for network operations. 2. Identify the components of local and wide area networks. 3. Identify security risks to a networked information system. |

|  |
| --- |
|  |

|  |  |
| --- | --- |
| State Prerequisites | None |

|  |  |
| --- | --- |
| State Corequisites | None |

|  |  |  |
| --- | --- | --- |
| **CTS-120\_2014SU** | **Hardware/Software Support** | **CTS-120** |

|  |  |
| --- | --- |
| CIS Course ID | S23679 |
| Effective Term | Summer 2014 |
| End Term |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Class | 2 | Lab | 3 | Clinical | 0 | Work | 0 | Credit | 3 |

|  |
| --- |
| This course covers the basic hardware of a personal computer, including installation, operations and interactions with software. Topics include component identification, memory-system, peripheral installation and configuration, preventive maintenance, hardware diagnostics/repair, installation and optimization of system software, commercial programs, system configuration, and device-drivers. Upon completion, students should be able to select appropriate computer equipment and software, upgrade/maintain existing equipment and software, and troubleshoot/repair non-functioning personal computers. |

|  |
| --- |
|  |

|  |
| --- |
| Competencies |
| 1. Identify appropriate computer equipment and software based on organizational needs. 2. Demonstrate ability to upgrade/maintain existing equipment and software. 3. Repair non-functioning personal computers. |

|  |
| --- |
|  |

|  |  |
| --- | --- |
| State Prerequisites | None |

|  |  |  |  |
| --- | --- | --- | --- |
| State Corequisites | None | | |
| **CTS-220\_2006SP** | | **Adv Hard/Software Support** | **CTS-220** |

|  |  |
| --- | --- |
| CIS Course ID | S21005 |
| Effective Term | Spring 2006 |
| End Term |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Class | 2 | Lab | 3 | Clinical | 0 | Work | 0 | Credit | 3 |

|  |
| --- |
| This course provides advanced knowledge and competencies in hardware and operating system technologies for computer technicians to support personal computers. Emphasis is placed on: configuring and upgrading; diagnosis and troubleshooting; as well as preventive maintenance of hardware and system software. Upon completion, students should be able to install, configure, diagnose, perform preventive maintenance, and maintain basic networking on personal computers. |

|  |
| --- |
|  |

|  |
| --- |
|  |

|  |  |
| --- | --- |
| State Prerequisites | Take CTS-120 |

|  |  |
| --- | --- |
| State Corequisites | None |

|  |  |  |
| --- | --- | --- |
| **NOS-130\_2016FA** | **Windows Single User** | **NOS-130** |

|  |  |
| --- | --- |
| CIS Course ID | S24397 |
| Effective Term | Fall 2016 |
| End Term |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Class | 2 | Lab | 2 | Clinical | 0 | Work | 0 | Credit | 3 |

|  |
| --- |
| This course introduces operating system concepts for single-user systems. Topics include hardware management, file and memory management, system configuration/optimization, and utilities. Upon completion, students should be able to perform operating systems functions at the support level in a single-user environment. |

|  |
| --- |
|  |

|  |
| --- |
|  |

|  |  |
| --- | --- |
| State Prerequisites | None |

|  |  |
| --- | --- |
| State Corequisites | None |