ITSC - CIS

ITSC 1006 Introduction to Computer Systems 0.7-4 Credit Hours (7 to 40 Lec)

ITSC 1010 Introduction to Hardware and Software 0.7-4 Credit Hours (7 to 40 Lec)

ITSC 1012 Beginning Computers 0.7-4 Credit Hours (7 to 40 Lec)

ITSC 1022 Introduction to Computer Applications in Business 0.7-4 Credit Hours (7 to 40 Lec)

ITSC 1043 Intermediate Computer Applications in Business 0.7-4 Credit Hours (7 to 40 Lec)

ITSC 1291 Special Topis in Computer and Information Sciences General Personal Computer Fundamentals 2 Credit Hours (2 Lec, 1 Lab)
Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency.
Course Type: Technical/Vocational Course

ITSC 1292 Special Topics in Data Processing and Data Processing Technology Technician PC Fundamentals II 2 Credit Hours (2 Lec, 1 Lab)
Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency.
Course Type: Technical/Vocational Course

ITSC 1316 Linux Installation and Configuration 3 Credit Hours (2 Lec, 4 Lab)
Introduction to Linux operating system. Includes Linux installation, basic administration, utilities and commands, upgrading, networking, security, and application installation. Emphasizes hands-on setup, administration, and management of Linux.
Course Type: Technical/Vocational Course

ITSC 1342 Shell Programming 3 Credit Hours (2 Lec, 4 Lab)
Reading, writing, and debugging shell scripts. Development of scripts to automate frequently executed sequences of commands. Covers conditional logic, user interaction, loops, and menus to enhance the productivity and effectiveness of the user. Intended for programmers who are familiar with operating environments and reading and writing various shell scripts.
Course Type: Technical/Vocational Course

ITSC 1346 Database Theory and Design 3 Credit Hours (2 Lec, 4 Lab)
Introduction to the analysis and utilization of data requirements and organization into normalized tables using the normal forms of database design.
Course Type: Technical/Vocational Course

ITSC 1347   UNIX System Administration II 3 Credit Hours (3 Lec, 1 Lab)
Advanced UNIX workstation administration skills in a network environment. Includes system security features. (Fall only) Prerequisite: ITSC 1358
Prerequisite: ITSC 1358 with a grade of C or higher

ITSC 1358 UNIX System Administration I 3 Credit Hours (2 Lec, 4 Lab)
Basic UNIX workstation administration. Includes installing a standalone system, adding users, backing up and restoring file systems, and adding new printer support. Perform system administration tasks. Introduces the concept of the system and disk management. (Spring only)
Course Type: Technical/Vocational Course

ITSC 1401 Introduction to Computers 4 Credit Hours (4 Lec, 1 Lab)
Overview of computer information systems. Introduces computer hardware, software, procedures, and human resources. (Formerly CISY 1401).
Course Type: Technical/Vocational Course

ITSC 1405 Introduction to PC Operating Systems 4 Credit Hours (3 Lec, 2 Lab)
Introduction to personal computer operating systems including installation, configuration, file management, memory and storage management, control of peripheral devices, and use of utilities.
Course Type: Technical/Vocational Course

ITSC 1407 UNIX Operating System I 4 Credit Hours (4 Lec, 1 Lab)
Introduction to the UNIX operating system including multi-user concepts, terminal emulation, use of system editor, basic UNIX commands, and writing script files. Includes introductory system management concepts. Prerequisites: ITSC 1405 and ITNW 1425.
Course Type: Technical/Vocational Course

ITSC 1409 Integrated Sofware Applications I 4 Credit Hours (4 Lec, 1 Lab)
Introduction to business productivity software suites using word processing, spreadsheets, databases, and/or presentation software. (Formerly CISY 1411). Prerequisite: Keyboarding competency required.
Course Type: Technical/Vocational Course

ITSC 1416 Linux Installation and Configuration 4 Credit Hours (3 Lec, 4 Lab)
Introduction to Linux operating system. Includes Linux installation, basic administration, utilities and commands, upgrading, networking, security, and application installation. Emphasizes hands-on setup, administration, and management of Linux.
Course Type: Technical/Vocational Course

ITSC 1425 Personal Computer Hardware 4 Credit Hours (4 Lec, 1 Lab)
Current personal computer hardware including assembly, upgrading, setup, configuration, and troubleshooting.
Course Type: Technical/Vocational Course

ITSC 1447 UNIX System Administration II 4 Credit Hours (4 Lec, 1 Lab)
Advanced UNIX workstation administration skills in a network environment. Includes system security features.
Course Type: Technical/Vocational Course

ITSC 1458 UNIX System Administration I 4 Credit Hours (4 Lec, 1 Lab)
Basic UNIX workstation administration. Includes installing a standalone system, adding users, backing up and restoring file systems, and adding new printer support. Emphasis on the procedures needed to perform system administration tasks. Introduces the concept of the system and disk management.
Course Type: Technical/Vocational Course

ITSC 2281 Cooperative Education Computer and Information Sciences General 2 Credit Hours (1 Lec, 10 Lab)
Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. Prerequisite: Concurrent enrollment in Specialization Capstone Course or consent of instructor.
Course Type: Cooperative Course, Technical/Vocational Course

ITSC 2325 Advanced Linux 3 Credit Hours (3 Lec, 1 Lab)
Provides instruction in advance open-source Linux operating system. Develops directory services for clients, support users remotely, and install and configure network services.
Course Type: Technical/Vocational Course
Prerequisite: ITSC 1358 with a grade of C or higher

ITSC 2346 Computer Center Management 3 Credit Hours (3 Lec)
Assessment of needs of a computing center and general principles of hardware and software acquisition, maintenance, licensing, and improving usage scheduling. Emphasis on interpersonal communication and management skills. Prerequisites: Must be taken in final semester before graduating or consent of instructor and credit or concurrent enrollment in ENGL 1301. Spring only (Formerly CISY 2450).
Course Type: Technical/Vocational Course

ITSC 2421 Integrated Software Applications II 4 Credit Hours (4 Lec, 1 Lab)
Intermediate study of computer applications from business productivity software suites. Instruction in embedding data and linking and combining documents using word processing, spreadsheets, databases, and/ or presentation media software. Fall only. Prerequisites: ITSW 1407, IMED 1416, and ITSW 1404.
Course Type: Technical/Vocational Course

ITSC 2425 Advanced Linux 4 Credit Hours (3 Lec, 4 Lab)
Provides instruction in advance open-source Linux operating system. Develops directory services for clients, support users remotely, and install and configure network services.
Course Type: Technical/Vocational Course

ITSC 2431 Integrated Software Applications III 4 Credit Hours (4 Lec, 1 Lab)
Advanced use of business productivity software including complex assignments that require advanced formatting and functionality.
Course Type: Technical/Vocational Course

ITSC 2439 Personal Computer Help Desk 4 Credit Hours (4 Lec, 1 Lab)
Diagnosis and solution of user hardware and software related problems with on-the-job and/or simulated projects. Spring only. Prerequisites: ITSW 2437 and ITSC 2421.
Course Type: Technical/Vocational Course