COMPUTER INFO TECH (ITSC)

ITSC 1301 Introduction to Computers 3 Credits   (2 Lec, 2 Lab)
This course is an overview of computer information systems. Introduces computer hardware, software, procedures, and human resources.
Course Type: Technical

ITSC 1305 Introduction to PC Operating Systems 3 Credits   (2 Lec, 2 Lab)
This course is an 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

ITSC 1307 UNIX Operating System I 3 Credits   (2 Lec, 2 Lab)
This course covers an introduction to the UNIX operating system, including multi-user concepts, terminal emulation, use of system editor, basic UNIX commands, and writing script files. Topics include introductory systems management concepts.
Prerequisite(s): ITSC 1305 or Department Chair approval

Course Type: Technical

ITSC 1309 Integrated Software Applications I 3 Credits   (2 Lec, 2 Lab)
This course covers an introduction to business productivity software suites using word processing, spreadsheets, databases, and/or presentation software. Student will only receive 3 semester credit hours for either ITSC 1309 or BCIS 1305.
Course Type: Technical

ITSC 1315 IT Project Management 3 Credits   (2 Lec, 2 Lab)
This course covers the use of project management tools for developing a project plan including timelines, milestones, scheduling, life cycle phases, management frameworks, skills, and processes.
Course Type: Technical

ITSC 1316 Linux Installation and Configuration 3 Credits   (2 Lec, 2 Lab)
This course is an 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.
Prerequisite(s): ITSC 1305 OR ITNW 1325

Course Type: Technical

ITSC 1319 Internet/Web Page Development 3 Credits   (2 Lec, 2 Lab)
This course includes instruction in the use of Internet concepts and the introduction to web page design and website development.
Course Type: Technical

ITSC 1321 Intermediate PC Operating Systems 3 Credits   (2 Lec, 2 Lab)
The course covers custom operating system installation, configuration, and troubleshooting, management of file systems, memory, storage, and peripheral devices.
Prerequisite(s): ITSC 1325 or Department Chair approval

Course Type: Technical

ITSC 1325 Personal Computer Hardware 3 Credits   (2 Lec, 2 Lab)
This course is a study of current personal computer hardware including assembly, upgrading, setup, configuration, and troubleshooting.
Course Type: Technical

ITSC 2321 Integrated Software Applications II 3 Credits   (2 Lec, 2 Lab)
This course is an intermediate study of computer applications from business productivity software suites. It also covers instruction in embedding data and linking and combining documents using word processing, spreadsheets, databases, and/or presentation media software.
Prerequisite(s): ITSC 1309 or department chair approval

Course Type: Technical

ITSC 2335 Application Software Problem Solving 3 Credits   (2 Lec, 2 Lab)
This course is for the utilization of appropriate application software to solve advanced problems and generate customized solutions.
Prerequisite(s): ITNW 1336

Course Type: Technical

ITSC 2337 UNIX Operating System II 3 Credits   (2 Lec, 2 Lab)
This course is a continued study of the UNIX operating system commands. It includes topics such as CGI and scripting languages.
Prerequisite(s): ITSC 1307 or department chair approval

Course Type: Technical

ITSC 2339 Personal Computer Help Desk 3 Credits   (2 Lec, 2 Lab)
This course covers diagnosis and solution of user hardware and software related problems with on-the-job and/or simulated projects. Emphasis will be placed upon hands-on training (e.g., participation in the construction of an expert system).
Prerequisite(s): ITSC 1325 or ITSC 2321 or Department Chair approval

Course Type: Technical

ITSC 2364 Practicum - Computer and Information Sciences, General 3 Credits   (0 Lec, 21 Lab)
This practicum class is a practical, general workplace training supported by an individualized learning plan developed by the employer, College, and student. An accumulative GPA of at least 2.0 is required. An interview and Department Chair approval are required 60 days prior to enrollment.
Prerequisite(s): 15 credit hours of computer courses (9 of these credit hours must be earned at San Jacinto College) that must include at least one of the following courses: ITCC 1444, ITNW 1354, ITNW 2354, ITSE 1359, ITSE 2313, ITSE 2359, ITSW 2334, or ITSW 2337

Course Type: Technical