

**COMPUTER INFORMATION TECHNOLOGY
(BTS DIVISION)**

CITPT-102 COMPUTERIZED TEN-KEY (1-cr.) Build speed and accuracy using the numeric keypad on a computer. Develops data entry skills based on industry standards. This is a self-paced course that does not meet regularly with the instructor.

CITPT-106 INTRODUCTION TO COMPUTER PROGRAMMING (3 cr.) Introduction to computer programming in the Windows environment.

CITPT-110 BUSINESS COMPUTER SKILLS (3 cr.) Comprehensive computer course incorporating Windows, Word, Excel and PowerPoint using practical business and personal applications. Pre-requisite: Student must be able to type 28 wpm or take WRPPT 100.

CITPT-115 WEB SERVER ADMINISTRATION (1-cr.) The course presents topics on web access, server performance, security, and integrating e-mail, file transfer, and media services. Student learning will build upon beginning networking concepts and web server administration.

CITPT-116 INTRODUCTION TO WEB DEVELOPMENT (3 cr.) Web design and development using contemporary web development tools, standards and technologies. Students will learn how to develop, document and maintain a web presence using authoring languages, style and layout technologies and client-side scripting.

CITPT-117 PRINCIPLES OF WEB DESIGN (3 cr.) A comprehensive course in web design principles and application.

CITPT-144 MULTIMEDIA WEB APPLICATIONS (3 cr.) Explores contemporary instances of web application software designed to enhance web sites with more dynamic content. This class has a hands-on approach and students will be expected to work through activities step-by-step and then take the basic competencies to create more advanced, original web application content. Cross-listed with CITPT 344. Pre-requisite: CITPT 106.

CITPT-175 JAVASCRIPT (3 cr.) A contemporary application course teaching web programming technologies. Pre-requisites: CITPT 106.

CITPT-189 DIRECTED WEB AUTHORING PROJECT (1-3 cr.) Required field experience on a team-based, organizational web site project.

CITPT-190 DIRECTED STUDY IN COMPUTER INFORMATION TECHNOLOGY (1-6 cr.)

CITPT-191 WORKSHOPS IN COMPUTER INFORMATION TECHNOLOGY (1-6 cr.)

CITPT-192 SPECIAL TOPICS IN COMPUTER INFORMATION TECHNOLOGY (1-6 cr.)

CITPT-194 INTERNSHIP IN COMPUTER INFORMATION TECHNOLOGY (1-12 cr.)

CITPT-212 SPREADSHEETS AND DATABASES IN BUSINESS (3 cr.) Instruction reviewing basic features and utilizing advanced features, functions, and capabilities of spreadsheets and databases. Pre-requisite: CITPT 110 or permission of instructor.

CITPT-213 WEB DATABASE TECHNOLOGIES (3 cr.) Expands basic database skills into the web environment and enterprise level applications. This course covers database design theory and advanced database application topics in contemporary, multi-user environments. Cross-listed with CITPT 413.

CITPT-214 DESKTOP PUBLISHING (3 cr.) Teaches skills in page layout software to produce professional, high-quality documents containing text, graphics, and scanned images, using a desktop publishing system. Pre-requisite: CITPT 110.

CITPT-222 BUSINESS DATA COMMUNICATIONS (1-3 cr.) This course is an introduction to the world of organizational data communications. Topics include: data communications topologies, media, hardware, transmission, infrastructure, protocols, network software, and network management. Pre-requisite: CITPT 116.

CITPT-225 INTERNET BUSINESS PROGRAMMING (3 cr.) A skill-based study of popular Internet programming methods used for organizational web site applications. Students will learn how to build interactive and dynamic web site components. Pre-requisite: CITPT 106

CITPT-265 IMAGE EDITING AND ILLUSTRATION (3 cr.) Comprehensive experience in image editing, drawing, painting, and typography. Pre-requisite: CITPT 110.

CITPT-275 WEB DEVELOPMENT (3 cr.) Introduction to website development using FrontPage. Integrate PhotoShop to properly prepare web graphics. Explore layout and design principles. Pre-requisites: CITPT 110.

CITPT-285 APPLICATIONS IN WEB DEVELOPMENT (3 cr.) This second course in web development provides students with current skills in developing web sites with advanced applications. Topics include: advanced web design applications, web design acceptable practices, web management and web site control.

CITPT-290 DIRECTED STUDY IN COMPUTER INFORMATION TECHNOLOGY (1-6 cr.)

CITPT-291 WORKSHOP IN COMPUTER INFORMATION TECHNOLOGY (1-6 cr.)

CITPT-292 SPECIAL TOPICS IN COMPUTER INFORMATION TECHNOLOGY (1-6 cr.)

CITPT-294 INTERNSHIP IN COMPUTER INFORMATION TECHNOLOGY (1-12 cr.)

CITPT-296 COOPERATIVE EDUCATION IN COMPUTER INFORMATION TECHNOLOGY (1-6 cr.)

CITPT-299 DIRECTED WEB AUTHOR PROJECT (1-3 cr.)

CITPT-317 PRINCIPLES OF WEB DESIGN (3 cr.) A comprehensive course in web design principles and application. Students will learn the elements of good design, advanced html/css, color schemes, typography, and imagery. Pre-requisite: CITPT 111.

CITPT-344 MULTIMEDIA WEB APPLICATIONS (3 cr.) Explores contemporary instances of web application software designed to enhance web sites with more dynamic content. This class has a hands-on approach and students will be expected to work through activities step-by-step and then take the basic competencies to create more

advanced original web application content. Cross-listed with CITPT 144. Pre-requisite: CITPT 106.

CITPT-375 JAVASCRIPT (3 cr.) A contemporary application course teaching web programming technologies. Pre-requisites: CITPT 106 and CITPT 285.

CITPT-390 DIRECTED STUDY IN COMPUTER INFORMATION TECHNOLOGY (1-6 cr.)

CITPT-391 WORKSHOP IN COMPUTER INFORMATION TECHNOLOGY (1-6 cr.)

CITPT-392 SPECIAL TOPICS IN COMPUTER INFORMATION TECHNOLOGY (1-6 cr.)

CITPT-394 INTERNSHIP IN WEB DEVELOPMENT (1-12 cr.)

CITPT-413 WEB DATABASE TECHNOLOGIES (3 cr.) Expands basic database skills into the web environment and enterprise level applications. This course covers database design theory and advanced database application topics in contemporary, multi-user environments. Cross-listed with CITPT 213.

CITPT-465 IMAGE EDITING AND ILLUSTRATION (3 cr.) Comprehensive experience in image editing, drawing, painting, and typography. Pre-requisite: CITPT 110.

CITPT-475 WEB DEVELOPMENT (3 cr.) Introduction to website development using FrontPage. Integrate PhotoShop to properly prepare web graphics. Explore layout and design principles. Pre-requisites: CITPT 110.

CITPT-485 APPLICATIONS IN WEB DEVELOPMENT (3 cr.) This second course in web development provides students with current skills in developing web sites with advanced applications. Topics include: advanced web design applications, web design acceptable practices, web management and web site control.

CITPT-490 DIRECTED STUDY IN COMPUTER INFORMATION TECHNOLOGY (1-6 cr.)

CITPT-491 WORKSHOP IN COMPUTER INFORMATION TECHNOLOGY (1-6 cr.)

CITPT-492 SPECIAL TOPICS IN COMPUTER INFORMATION TECHNOLOGY (1-6 cr.)

CITPT-494 INTERNSHIP IN COMPUTER INFORMATION SYSTEMS (1-12 cr.)