**Butte College**

Phone: (530) 895-2511

Catalog: http://www.butte.edu/departments/curriculum/catalog/documents/2011-2012\_Butte\_College\_Catalog.pdf

Website: [www.butte.edu](http://www.butte.edu)

**Computer Information Systems – Associates**

**Program Information**

The Computer Information Systems program provides students with the knowledge, skills, and hands-on experience in computer hardware, operating systems, applications, security, networking, and entry-level computer programming.

Students will learn the basics of development for the World Wide Web and will gain experience in a variety of computer programming languages. Instruction is available to prepare students to take professional certification exams in the areas of computer hardware, operating systems, applications, security, and networking. The professional certifications include offerings from CompTIA, Cisco, and Microsoft.

**Career Opportunities**

Computer Information Systems graduates are prepared to enter the workforce in computer and information technology professions. Individuals possessing professional certifications of their skills will have advantages over other job applicants.

Professional certificates for the certificate emphases listed below may be obtained from authorized testing centers. Please contact the Computer Science Department for details.

**Upon completion of this program, the student will be able to:**

• analyze development projects and divide them into smaller production tasks.

• build a project while utilizing the project development model.

• manage a programming project, both individually and as a member of a team, from initial concept through design, programming, debugging, testing, and deployment.

• evaluate a program to determine how it will meet the needs of its intended audience.

• design, write, test, debug, and implement computer programs in a structured language, a low-level language, and an object-oriented language.

• create programs utilizing both Windows and Linux operating systems.

**Computer Science – Associates (Transfer)**

**Program Information**

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