**Columbia Community College**

Phone: (209)588 - 5100

Catalog http://www.gocolumbia.edu/catalog\_schedules/catalog12/catalog12.pdf

Website: http://www.gocolumbia.edu

**Computer Science – Associates (Transfer)**

**Program Information**

This program is a comprehensive exposure to programming languages, algorithms and problem solving in preparation for upper division computer science courses. The Computer Science degree includes substantial course work in mathematics as is required by most university computer science programs.

**Career Opportunities**

Technical positions include computer operator, computer program­mer, system analysts, database administrators, computer support, or help desk specialists, Web developers, and application develop­ers.

Opportunities in networking include network support specialists, network administrators and technicians, network security special­ist, computer forensics specialist, Webmasters, Web developers, and Web site designers.

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

• Evaluate various programming language solutions to a pro-posed problem.

• Recommend tools and techniques for each step in the development of a computer program.

• Integrate the basic mathematical knowledge that is fundamental to Computer Science into the solutions of proposed problems.

• Evaluate the theories and core techniques of computer science using scientific methods.