

About CIS

September 2002

Computer Science major

Associate degree program

Certificates mapping to industry exams

Networking with Cisco (CCNA)

UNIX/Linux (SAIR)

Oracle Database User

Adobe Photoshop (ACE)

Adobe PageMaker (ACE)

Adobe Illustrator (ACE)

A+ Networking (CompTIA) pending approval
(CIS and Electronics)

Other CIS certificates

Adobe Applications Specialist

General Multimedia

Web Content Developer: Dreamweaver,
GoLive, FrontPage or HTML

Web Site Development: Web Graphic
Designer, Web Graphic Production, Web
Project Management, Perl Programmer,
Java Programmer, JavaScript Programmer,
XML Web Developer

Microsoft Office Specialist

Microsoft Office User

Microcomputer Systems Specialist

Microcomputer Systems User

Telecommunications pending approval
(CIS and Electronics)

Oracle Academic
Initiative

WOW
World Organization of Webmasters

Adobe
Solutions Network
Certified Training Provider

CISCO SYSTEMS
NETWORKING
ACADEMY

Computer basics

Serving the computer novice or transfer student

- Transfer students: CIS 5 Computer Literacy and CIS 66 Management Information Systems
CIS 5 Computer Literacy can be used as a General Education requirement for A.A. degree
- Computer novice: CIS 101A/B Intro to PC or CIS 105A/B Intro to Macintosh (these courses may be challenged to advance to a higher level class)
- Exploration Series of ½ unit 8-hour classes: Photoshop Elements, Illustrator, InDesign, PageMaker, FrontPage, Explore WWW, Virus Protection
- **Spring 03: Email Virus Protection and Home Network Security for Cable and DSL**

Web

Courses designed for job enrichment, web careers, and personal enrichment

- Certificate programs vary from novice to expert levels
Web content developer:
GoLive and FrontPage: for beginners
Dreamweaver: requires HTML experience
HTML: develops code
Web site development:
Web Graphic Designer Web Graphic Production
Web Project Management Perl Programmer
Java Programmer Javascript Programmer
XML Web Developer
- Other courses: Electronic Portfolio, Flash, Active Server Pages, Email/FTP, Illustrator for the Web, ImageReady
- **Spring 03: Dreamweaver MX, Adobe LiveMotion, PHP**
- **In the works: certificates in PHP, ASP**

Productivity

Courses designed to streamline the workflow

- Adobe Acrobat: for producing PDF files
- Project Management
- SQL, Oracle SQL Fundamentals, Advanced Oracle SQL
- **Spring 03: Oracle Fundamentals 1 and 2**

CIS classes are offered throughout Sonoma County and online with hands-on instruction at Coddington and the Tech Academy

Applications

Indepth studies for the general user

- For beginning students: CIS 74.11 Microsoft Office (survey of word-processing, spreadsheet, database)
- CIS offers full-semester courses in Microsoft Excel, Access and FileMaker
- **Spring 03: Advanced FileMaker**

Graphics and multimedia

Courses designed for the general user and graphics professional for job and personal enrichment

- CIS is an Adobe Certified Training Provider and a member of the Macromedia Education Training Network
- Adobe Photoshop, PageMaker, and Illustrator certificates map to ACE industry exams
- CIS 73.11 Computer Graphics Concepts: exploratory course for the graphics novice
- Other courses: Adobe InDesign, Adobe FrameMaker, Painter, Macromedia Director, Digital Video Production, Image Correction with Photoshop and Photoshop Elements
- **Adobe Applications Specialist certificate changed to include coursework in Adobe Acrobat and Font Management**
- **Spring 03: Font Management, Adobe InDesign 2, Adobe LiveMotion**

Networking, telecom & OS

Curriculum designed to prepare the student for entry-level networking and telecom careers

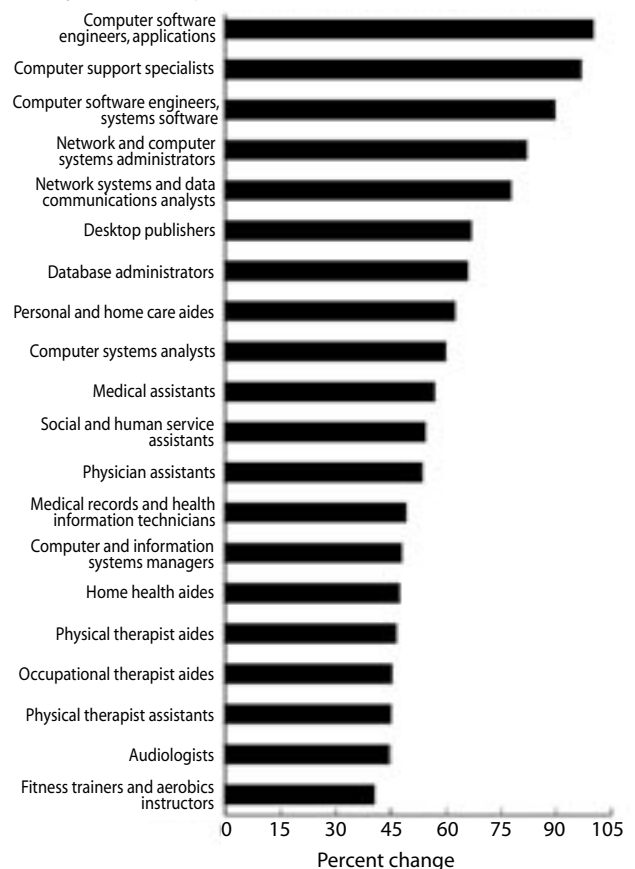
- Extensive networking curriculum maps to industry exams: Cisco CCNA and Linux SAIR
- All Windows 2000 networking courses are in place and map to the MCSE exam
- For home/office users: Exploring Microsoft Windows, Understanding your Macintosh (OS X), and Windows for Mac users
- **Networking certificate core will be changing Cisco 1 and CIS 51.18 Intro to Networking OS may be substituted for CIS 51.14 Networking Practicum and CIS 51.15 Networking Theory**
- **Telecommunications: 8-week courses include CIS 78.11A /B Telecommunications and CIS 78.12A Analog Telecommunications**
- **In the works: A+ Networking and Telecommunications certificates with Electronics Dept**

Programming

Serves the Computer Science major for transfer into 4-year school and industry programmers

- CIS 10A/B Computer Science Fundamentals: taught with C++
- CIS 10A: prerequisite for most programming courses
- CIS 20A C Programming: for industry programmers
- Other courses: Data Structures, Visual Basic, Java Programming and Assembly
- **Computer Science Major approved for Associate degree — coursework includes programming, data structures, mathematics, and physics**

Percent change in employment in occupations projected to grow fastest, 2000-2010



Tomorrow's Jobs. Occupational Outlook Handbook, 2002-03 Edition. U.S. Department of Labor Bureau of Labor Statistics

