

## COMPUTER SCIENCE

**SAMPLE OCCUPATIONS** Please ask a career advisor for help in identifying resources for the following occupations and job titles. Note that some of these options may require an advanced degree.

### COMPUTER OPERATIONS

Computer Engineer  
Computer Operator  
Database Manager  
Data Entry Operator  
Operations Manager

Systems Analyst  
Technical Writer  
Telecommunications Specialist  
Usability Specialist  
Webmaster

Systems Analysts  
Systems Designer  
Systems Support

### DESIGN & MANUFACTURING, ENGINEERING

Coder  
Computer Aided Designer  
Computer Applications Engineers  
Computer Graphics Artists  
Computer Research Scientist  
Consultant  
Course Instructor  
Design Engineer  
Drafter  
Documentation Librarian  
Electrical Engineer  
Ergonomics (Human Factors)  
Fabricator  
Field Service Representative  
Graphics Design Operator  
Hardware Engineer  
Industrial Engineer  
Line Supervisor  
Manufacturing-Central Eng  
Manufacturing Engineer  
Manufacturing Systems Specialist  
Mechanical Engineer  
Network Analyst  
Planning Manager  
Product Assurance Engineer  
Production Manager  
Project Manager  
R & D Manager  
Software Engineer  
Software/Hardware Designer  
Systems Engineer

### INFORMATION MANAGEMENT

Applications Development Mgr  
Data Communications Manager  
Director, Data Processing  
MIS Director  
Manager, Database  
Network Administrator

### INSTRUCTIONAL DESIGN/EDUCATION

Computer Training Specialist  
Educational Media Technician  
Instructional Materials Designer  
Secondary Education Teacher  
University Professor

### PROGRAMMERS AND ANALYSTS

Applications  
Business  
Capacity Planning  
Communications  
Computer Scientist  
Data Base Engineering  
Operations  
Operations Research Analyst  
Programmer  
Programmer, Developer  
Scientific Research  
Software Designer  
Software Engineer  
Support  
Systems

### SALES, MARKETING, AND RETAILING

Account Executive  
Business Owner  
Comp. Sales/Mktg. Rep  
Customer Support Rep  
Equipment Dealer  
Marketing Analyst  
Marketing Researcher  
Operations Manager  
Product Manager  
Retail Store Manager  
Sales Associate  
Sales/Marketing Engineer  
Sales Marketing Manager  
Systems Engineer  
Technical Writer

### SECURITY

Computer Security Investigators  
Info Security Managers

### SERVICE, MAINTENANCE & INSTALLATION

Data Processing Equipment Repairers  
Field Engineering  
Service Manager  
Service Technician  
Technical Specialist

### WORD AND DATA PROCESSING

Auxiliary Equipment Operator  
Communications Specialist  
Computer Operations/Manager  
Job Control Clerk  
Librarian

### SAMPLE CAREER CENTER LIBRARY RESOURCES

Careers in Computers IIB 15-1000 S7  
Careers for Computer Buffs & Other Tech. Types IIA CF C6  
Careers for Cybersurfers & Other Online Types IIA CF C9  
Careers for Number Crunchers & Other Quantitative Types  
IIA CF N8  
Careers in High Tech IIB 17-2000 B25  
Careers in Science IIB 19-0000 E2  
Computer Graphics Career Handbook IIB 27-1000 A2  
Careers in Information Technology IIB 15-1000 W4  
Job Choices 2002 In Science, Engineering, & Technology  
VIB5 C61  
Opp. in Computer Aided Design & Computer Aided  
Manufacturing IIB 17-3010 B6

Opportunities in Computer Maintenance Careers IIB 49-2011 K3  
Opportunities in Computer Careers IIB 15-1000 K55  
Opportunities in Data & Word Processing Careers IIB 43-  
9022 M81  
Opportunities in Desktop Publishing Careers IIB 43-9031 S3  
Opportunities in High Tech Careers IIB 17-2000 G6  
Opportunities in Robotics Careers IIB 17-3020 B6  
Opportunities in Telecommunications Careers IIB 27-3000  
B61  
Peterson's Job Opportunities Engineering & Computer Science  
Majors 1999 VI B5 P4  
Vault Guide to The Top Tech Employers VIB 5 P3

For POSSIBLE electronic format for these or other related resources, use the FSU Libraries Catalog at [lib.fsu.edu](http://lib.fsu.edu); select Advanced Catalog Search: **Keywords Anywhere** = vocational And **Title Keywords** = type a specific career area (think of alternate terms to describe your career in case one doesn't give results).

## OTHER SOURCES OF INFORMATION

Choices Planner

[www.bridges.com/cpflorida/](http://www.bridges.com/cpflorida/)

eDISCOVER

[www.act.org/discover/login](http://www.act.org/discover/login)

(Obtain a User ID from a career advisor)

Encyclopedia of Careers & Voc. Guidance

IIA E6 v. 1-5

Occupational Outlook Handbook

[www.bls.gov/oco/](http://www.bls.gov/oco/)

O\*NET

[www.onetcenter.org/](http://www.onetcenter.org/)

SIGI 3

[www.career.fsu.edu/sigi](http://www.career.fsu.edu/sigi)

(Obtain a User ID from a career advisor)

## SAMPLE WORK SETTINGS

Architecture/Design

Arts/Entertainment

Banks

Colleges & Universities

Computer Consulting Firms

Computer Corporations (Hardware  
&/ Software Mfrs or Vendors)

Data Processing Firms

Elementary & Secondary Schools

Engineering Firms

Industry Private Sector

Hospitals

Financial Firms

Insurance Companies

Local/ State Govt.

Manufacturing Firms

Marketing Research Depts. &  
Firms

Medicine

Professional & Technical Journals

Publishing/Communications

Research & Development Firms

Test Development Corporations

Transportation

Utilities Companies

Weather Bureaus

**FEDERAL GOVERNMENT**

**AGENCIES**

Central Intelligence Agency

Department of Commerce

Department of Defense

Department of Energy

Department of Human Services

Internal Revenue Service

National Security Agency

Veterans Administration

## SAMPLE PROFESSIONAL ORGANIZATIONS

Association for Computing Machinery

New York, NY

[www.acm.org](http://www.acm.org)

Association for Computer Operations Management

Orange, CA

[www.afcom.com](http://www.afcom.com)

Association of Information Technology Professionals

Chicago, IL

[www.aitp.org](http://www.aitp.org)

National Association of Computer Consultant

Businesses

Alexandria, VA

[www.naccb.org](http://www.naccb.org)

## SAMPLE WEB SITE

CyberCrime Institute

Kennesaw, GA

[www.kennesaw.edu/coned/sci/index.htm](http://www.kennesaw.edu/coned/sci/index.htm)

Women In Technology International

Sherman Oaks, CA

[www.witi.com](http://www.witi.com)

International High Technology Crime Investigation

Association

Roseville, CA

[www.htcia.org](http://www.htcia.org)

International Information Systems Forensics Association

Conyers, GA

[www.iisfa.org](http://www.iisfa.org)

ISACA

Rolling Meadows, IL

[www.isaca.org](http://www.isaca.org)

My Perfect Gig

[www.myperfectgig.com/](http://www.myperfectgig.com/)

For other related professional organizations, use Gale's Organization through FSU Libraries database at [lib.fsu.edu](http://lib.fsu.edu); select List all Databases; select Gale's Ready Reference shelf; choose Organizations.

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Available in alternative format upon request.

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