Computer Science

This sheet has sample occupations, work settings, employers, and career development activities associated with this major. Some of these options may require additional training and career planning. You are not limited to these options when choosing a possible career path.

Sample Occupations

Computer Operations
Computer Hardware/Software Engineer
Computer Operator
Database Manager/ Administrator
Data Entry Operator
Operations Manager

Design & Manufacturing, Engineering
Computer Applications Engineer
Computer Research Scientist
Computer Systems Analyst
Consultant
Course Instructor
Drafter
Engineering Technician
Fabricator
Graphic Designer
Industrial Engineer
Line Supervisor
Manufacturing Engineer
Mechanical Engineer
Network Analyst
Planning Manager
Production Manager
Technical Writer
Telecommunications Specialist
Usability Specialist
Webmaster

Information Management
Computer Software Engineer
Data Communications Analyst
Data Processing Director
Database Manager
MIS Director
Network Administrator

Instructional Design/ Education
Educational Media Technician
Instructional Designer
Teacher/Professor
Technologist

Programmers & Analysts
Computer Scientist
Computer Support Specialist
Database Administrator
Operations Research Analyst
Programmer
Software Designer
Software Quality Assurance Engineer
Systems Analyst
Systems Designer
Systems Support
Web Developer

Sales, Marketing, & Retailing
Account Executive
Business Owner/Manager
Comp. Sales/Marketing Rep.
Customer Support Rep.
Equipment Dealer
Marketing Researcher
Operations Manager
Product Manager
Sales Associate
Systems Engineer
Technical Writer

Security
Computer Security Investigator
Info Security Manager

Service, Maintenance, & Installation
Data Processing Equipment Repairer
Field Service Technician
Office Machine Repairer
Technical Specialist
Telecommunication Equipment Installer & Repairer

Word & Data Processing
Auxiliary Equipment Operator
Communications Specialist
Computer Operations Manager
Librarian

Sample Work Settings

Banks
Computer Consulting Firms
Computer Corporations (Hardware/Software Manufacturers/Vendors)
Data Processing Firms
Educational Institutions
Engineering Firms
Hospitals
Financial Firms
Insurance Companies
Manufacturing Firms
Marketing Research Depts.
Professional & Technical Journals
Publishing/Communications
Research & Development Firms
Utilities Companies
Weather Bureaus

Federal Government Agencies
Central Intelligence Agency
Department of Commerce
Department of Defense
Department of Energy
Department of Health & Human Services
Federal Bureau of Investigation
Internal Revenue Service
National Security Agency
Veterans Affairs

Sample Employers

A sample of organizations that have hired students with a concentration in computer science.

Aerojet Rocketdyne
Apple, Inc.
Carnegie Mellon University
Harris Corporation
Lockheed Martin
Nokia Technologies
Microsoft Corporation
PlayStation
Raytheon
U.S. Environmental Protection Agency
Visual.ly

Sample Websites

Dice.com
www.dice.com

FSU Computer Science
www.cs.fsu.edu

Connecting Majors, Skills, and Occupations

- View learning outcomes associated with your major in the *FSU Undergraduate Academic Program Guide* Learning Compact: **www.academic-guide.fsu.edu/**
- Explore the connection between occupations and skills in O*Net: **www.onetonline.org**
- Use the FSU Career Portfolio to document transferable skills you develop through your major and other experiences: **www.portfolio.fsu.edu**
- Use ProfessioNole to learn more about industry demands, career expectations, and opportunities from professionals: **www.career.fsu.edu/professionole**

Sample Career Center Library Resources

Sample Books

Building Your I.T. Career.....IIB 15-1100 M6
Career Opportunities in the Internet, Video Games, and Multimedia.....IIB 27-1014 T3
Careers in Computer Science and Programming.....IIB 15-1100 F7
Careers in Computers.....IIB 15-1000 S7
Careers for Computer Buffs & Other Tech. Types.....IIA CF C6
Careers in Internet Security.....IIB 15-1152 H3
Careers for Number Crunchers and Other Quantitative Types.....IIA CF N8
Careers in High Tech.....IIB 17-2000 B25
Careers in Information Technology.....IIB 15-1000 W4
Cracking the Coding Interview: Programming Questions and Solutions.....VB M353
Expert Resumes for Computer and Web Jobs.....VA E5
Getting Started in Information Technology Field.....IIB 15-1100 S7
Opportunities in Computer Careers.....IIB 15-1000 K55
Opportunities in Data & Word Processing.....IIB 43-9022 M81

Self-Exploration and Career Information

To explore values, interests, and skills:

FOCUS 2
www.career.fsu.edu/Students/Plan-Your-Career/Explore-Majors-and-Careers/FOCUS2

Sigi3
www.career.fsu.edu/sigi
(Obtain a User ID from a Career Advisor)

To explore occupational outlooks and salaries:

National Compensation Survey
www.bls.gov/ncs/

Occupational Outlook Handbook
http://www.bls.gov/ooh

Salary.com
www.salary.com

SeminoleLink
www.career.fsu.edu/seminolelink

See additional resources in Career Center Advising Module Sheets:
www.career.fsu.edu/Resources/Module-Sheets

Sample Professional Organizations

Association for Computing Machinery - New York, NY
www.acm.org

Association of Information Technology Professionals - Chicago, IL
www.aitp.org

International High Technology Crime Investigation Association - Roseville, CA
www.htcia.org

International Information Systems Forensic Association - Conyers, GA
www.iisfa.org

Institute of Electrical and Electronics Engineers
www.computer.org

Women in Technology International - Sherman Oaks, CA
www.witi.com

For other related professional organizations, go to FSU Libraries database at lib.fsu.edu; select Find a Database; search for Gale Databases; choose Associations Unlimited.

Additional Information

Florida State University Career Guide
www.career.fsu.edu/Resources/Career-Guides

Career Guides by Topic
www.career.fsu.edu/Resources/Career-Guides

Library Links
www.career.fsu.edu/Resources/Career-Center-Library

Steps to Career Success
www.portfolio.career.fsu.edu/stepstocareersuccess/index.html