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
Director, Data Processing
Manager, Database
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
  (CIA)
Department of Commerce
Department of Defense

Department of Energy
Department of Health &
  Human Services
Federal Bureau of
  Investigation (FBI)
Internal Revenue Service
National Security Agency
Veterans Affairs

Sample Employers

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

Aflac
Apple, Inc.

Harris Corporation
Lockheed Martin

Microsoft Corporation
PATLive

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.learningforlife.fsu.edu/smalcs/learningcompacts.cfm

- 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

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 for Cybersurfers & Other Online Types.........IIA CF C9

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

Opportunities in Computer Maintenance...........IIB 49-2011 K3

Opportunities in Computer Careers..................IIB 15-1000 K55

Opportunities in Data & Word Processing.......IIB 43-9022 M81

Top 100 Computer and Technical Careers...........IIB 15-1000 F3

Self Exploration and Career Information

To explore values, interests, and skills:

To explore occupational outlooks and salaries:

Choices Planner
www.flchoices.org

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

NACE Starting Salaries Survey Data
www.naceweb.org/salary-resources/starting-salaries.aspx

Occupational Outlook Handbook
www.bls.gov/ooh

Salary.com
www.salary.com

SeminoleLink Plus! Services
www.career.fsu.edu/seminolelink

See additional resources in Career Center Advising Module Sheets:
www.career.fsu.edu/advising/modules.cfm

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 2013-2014
www.career.fsu.edu/pubs/2013-14CareerGuide.pdf

Career Guides
www.career.fsu.edu/advising/guides.cfm

Library Links
www.career.fsu.edu/library/links.cfm

Steps to Career Success
www.career.fsu.edu/Steps-to-Career-Success/