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

**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.
- Equipment Dealer
- Marketing Researcher
- Operations Manager
- Product Manager
- Sales Associate

**System 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**

- Aerojet Rocketdyne
- Apple, Inc.
- Carnegie Mellon University
- Harris Corporation
- Lockheed Martin
- Microsoft Corporation
- Nokia Technologies
- 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 Professional to learn more about industry demands, career expectations, and opportunities from professionals: www.career.fsu.edu/professional

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/
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.aip.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