# 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

<table>
<thead>
<tr>
<th>Computer Operations</th>
<th>Design &amp; Manufacturing, Engineering</th>
<th>Information Management</th>
<th>Instructional Design/ Education</th>
<th>Programmers &amp; Analysts</th>
<th>Security</th>
<th>Service, Maintenance, &amp; Installation</th>
<th>Sales, Marketing, &amp; Retailing</th>
<th>Word &amp; Data Processing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Hardware/Software Engineer</td>
<td>Computer Applications Engineer</td>
<td>Computer Software Engineer</td>
<td>Educational Media Technician</td>
<td>Computer Scientist</td>
<td>Computer Security Investigator</td>
<td>Data Processing Equipment Repairer</td>
<td>Account Executive</td>
<td>Auxiliary Equipment Operator</td>
</tr>
<tr>
<td>Computer Operator</td>
<td>Computer Research Scientist</td>
<td>Data Communications Analyst</td>
<td>Instructional Designer</td>
<td>Computer Support Specialist</td>
<td>Field Service Technician</td>
<td>Field Service Technician</td>
<td>Business Owner/Manager</td>
<td>Communications Specialist</td>
</tr>
<tr>
<td>Database Manager/Administrator</td>
<td>Computer Systems Analyst Consultant</td>
<td>Data Processing Director</td>
<td>Teacher/Professor</td>
<td>Database Administrator</td>
<td>Office Machine Repairer</td>
<td>Office Machine Repairer</td>
<td>Comp. Sales/Marketing Rep.</td>
<td>Computer Operations Manager</td>
</tr>
<tr>
<td>Data Entry Operator</td>
<td>Course Instructor</td>
<td>Database Manager</td>
<td>Technologist</td>
<td>Operations Research Specialist</td>
<td>Technical Specialist</td>
<td>Technical Specialist</td>
<td>Customer Support Rep.</td>
<td>Librarian</td>
</tr>
<tr>
<td>Operations Manager</td>
<td>Drafter</td>
<td>MIS Director</td>
<td></td>
<td>Programmer</td>
<td>Telecommunication Equipment Installer &amp; Repairer</td>
<td>Telecommunication Equipment Installer &amp; Repairer</td>
<td>Marketing Researcher</td>
<td></td>
</tr>
<tr>
<td>Mechanical Engineer</td>
<td>Engineering Technician</td>
<td>Network Administrator</td>
<td></td>
<td>Software Designer</td>
<td></td>
<td></td>
<td>Operations Research Analyst</td>
<td></td>
</tr>
<tr>
<td>Network Analyst</td>
<td>Fabricator</td>
<td>Planning Manager</td>
<td></td>
<td>Software Quality Assurance Engineer</td>
<td></td>
<td></td>
<td>Programmer</td>
<td></td>
</tr>
<tr>
<td>Production Manager</td>
<td>Graphic Designer</td>
<td>Technical Writer</td>
<td></td>
<td>Systems Analyst</td>
<td></td>
<td></td>
<td>Systems Support</td>
<td></td>
</tr>
<tr>
<td>Technical Writer</td>
<td>Industrial Engineer</td>
<td>Telecommunications Specialist</td>
<td></td>
<td>Systems Designer</td>
<td></td>
<td></td>
<td>Web Developer</td>
<td></td>
</tr>
<tr>
<td>Telecommunications Specialist</td>
<td>Line Supervisor</td>
<td>Usability Specialist</td>
<td></td>
<td>Systems Support</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Usability Specialist</td>
<td>Manufacturing Engineer</td>
<td>Webmaster</td>
<td></td>
<td>Web Developer</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Webmaster</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Sample Work Settings

<table>
<thead>
<tr>
<th>Banks</th>
<th>Hospitals</th>
<th>Research &amp; Development Firms</th>
<th>Department of Energy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Consulting Firms</td>
<td>Financial Firms</td>
<td>Utilities Companies</td>
<td>Department of Health &amp; Human Services</td>
</tr>
<tr>
<td>Computer Corporations (Hardware/Software Manufacturers/Vendors)</td>
<td>Insurance Companies</td>
<td>Weather Bureaus</td>
<td>Federal Bureau of Investigation</td>
</tr>
<tr>
<td>Data Processing Firms</td>
<td>Manufacturing Firms</td>
<td></td>
<td>Internal Revenue Service</td>
</tr>
<tr>
<td>Educational Institutions</td>
<td>Marketing Research Depts.</td>
<td></td>
<td>National Security Agency</td>
</tr>
<tr>
<td>Engineering Firms</td>
<td>Professional &amp; Technical Journals</td>
<td></td>
<td>Veterans Affairs</td>
</tr>
<tr>
<td></td>
<td>Publishing/Communications</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## 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:

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

To explore occupational outlooks and salaries:

SeminoleLink Plus! Services 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

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