This information describes typical occupations and employment settings associated with this major. Understand that some of these options may require additional training. Moreover, you are not limited to these options when choosing a possible career path.

Description of Computer Science

Computer Science deals with the logical and mathematical foundations of computing and how to implement problem solutions as programs in a computer language. The computer science curriculum covers the design principles of key computing technologies such as hardware, operating systems, database systems, networks, graphics, and artificial intelligence. Mathematical reasoning is emphasized throughout the program. This major prepares its graduates to provide technical support for computer operations and to develop new computer hardware and software systems. With this major, students can look forward to working with major computer manufacturers, software development corporations, the communications industry and consulting firms.

Researching Job Titles and Careers

- **O*NET** [http://online.onetcenter.org](http://online.onetcenter.org) (click on Find Occupations)
- **Occupational Outlook Handbook** [http://www.bls.gov/oco](http://www.bls.gov/oco) (type in general term for career of interest)
- **Georgia Career Information Center** [http://www.gcic.peachnet.edu](http://www.gcic.peachnet.edu) (accessible only on campus computers)
- **Career Insider: Vault Guides** [http://career.uga.edu/resources/online_resources](http://career.uga.edu/resources/online_resources) (Under the “Resources” tab and select “Online Resources”)
- **Candid Career** [http://career.uga.edu/resources/online_resources](http://career.uga.edu/resources/online_resources) (**View professionals speaking about their careers under the “Resources” tab and select “Online Resources”**)

Possible Job Titles

<table>
<thead>
<tr>
<th>Job Title</th>
<th>Analyst</th>
<th>Application Developer/Programmer</th>
<th>Associate Computer Consultant</th>
<th>Business Analyst</th>
<th>CAD/CAM Designer</th>
<th>Computer Scientist</th>
<th>Consultant</th>
<th>Database Administrator</th>
<th>Developer Support Engineer</th>
<th>eCommerce Developer</th>
<th>Educational Programs Specialist</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Implementation Consultant</td>
<td>Java/ J2EE Developer</td>
<td>Market Research Analyst</td>
<td>Mathematician</td>
<td>Network Engineer</td>
<td>PeopleSoft Administrator</td>
<td>Programmer</td>
<td>Project Manager</td>
<td>Quality Control Supervisor</td>
<td>Risk Analyst</td>
<td>Security Engineer</td>
</tr>
<tr>
<td></td>
<td>Software Developer</td>
<td>Software Engineer</td>
<td>Special Effects (FX) Specialist</td>
<td>SQL Database Administrator</td>
<td>Systems Administrator/Analyst</td>
<td>Systems Engineer</td>
<td>Technical Consultant</td>
<td>Unix Administrator</td>
<td>VoIP Engineer</td>
<td>Wireless Developer</td>
<td></td>
</tr>
</tbody>
</table>

Possible Employers

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Accenture</th>
<th>Amazon</th>
<th>Athena Health</th>
<th>AT&amp;T</th>
<th>Cerner Corporation</th>
<th>Chick-fil-a</th>
<th>Cisco</th>
<th>CSG International</th>
<th>CTS</th>
<th>Consumer Affairs Commission</th>
<th>Deloitte</th>
<th>Digital Insight</th>
<th>Disney Animation</th>
<th>EMC</th>
<th>Engineering Firms</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Fleetcor</td>
<td>Ford Motor Company</td>
<td>General Motors</td>
<td>Georgia-Pacific</td>
<td>Google</td>
<td>Hewitt Associates</td>
<td>Home Depot</td>
<td>IBM</td>
<td>InComm</td>
<td>Intel</td>
<td>Investment Firms</td>
<td>Lockheed Credit Union</td>
<td>Manhattan Associates</td>
<td>Microsoft</td>
<td>National Science Foundation</td>
</tr>
</tbody>
</table>

To learn what types of positions and companies UGA students are working with, see the UGA Career Center Post Graduation Survey at [www.career.uga.edu/gradsurveyresults/](http://www.career.uga.edu/gradsurveyresults/) and search for alumni on LinkedIn at [www.linkedin.com](http://www.linkedin.com).
Campus Resources
Department of Computer Science - www.cs.uga.edu/

Free Technical Training - Access Skillsoft and Lynda through www.my.uga.edu

Clubs & Organizations
Association for Computing Machinery - http://ugaacm.chromabits.com/
Classic Hackers UGA Linux Users' Group - http://chugalug.uga.edu/
Society for Information Management Systems - http://ugasmis.org

To find additional clubs and organizations, go to the Center for Student Organizations at - http://stuorgs.uga.edu/find/index.html
Connect with your Career Consultant http://career.uga.edu/contact#careerconsultants

Employment Websites
GENERAL:
CareerSearch http://career.uga.edu/resources/online_resources (Research employers by location and/or industry)
DAWGlink www.career.uga.edu/ (login with your UGA MyID and password)
GoinGlobal (To access GoinGlobal, login to your DAWGlink account)
Idealist www.idealist.org/ (nonprofit jobs)
USAJobs www.usajobs.gov/ (federal jobs)

MAJOR/CAREER SPECIFIC:
Big Data/Analytics- http://www.icrunchdata.com/
Computer Software/Systems Jobs - www.nationjob.com/computers
Dice- www.dice.com
IT Job Pro- http://itjobpro.com/
LinkedIn- http://www.linkedin.com/studentjobs
Tech Careers- http://www.techcareers.com/

Professional Information Resources
NEWS:
Computerworld- www.computerworld.com
E-Commerce Times- www.ecommercetimes.com
Entertainment Software Association- www.theesa.com
Gartner Group- www.gartner.com
Government Computer News- www.gcn.com
InformationWeek- www.informationweek.com
Internet News - www.internetnews.com
IT World- www.itworld.com
PC Magazine- www.pcmag.com

PROFESSIONAL ASSOCIATIONS:
Association for Computing Machinery - www.acm.org
Association for Information Systems - www.aisnet.org
Association for Women in Computing - www.awc-hq.org/
Information Systems Security Association- https://www.issa.org/
Institute for the Certification of Computer Professionals - www.iccp.org/
Internet Society - http://www.internetsociety.org/
Mass Technology Leadership Council- www.masstlc.org
Software & Information Industry Association- www.siia.net
Storage Networking Industry Association- www.snia.org

Tip: Join LinkedIn groups that are related to your career interest.

Additional Career Consultant Recommendations:
- Develop your own website/portfolio to display your work: code, projects, apps and other professional examples.
- Stay up to date on new and emerging trends in your field(s) of interest. Visit the links above for more information.
• Join a professional association related to your field of interest; example: if you are interested in information security, consider joining the Information Systems Security Association. See the previous section for a list of suggested professional associations.
• Be aware that computer science is math heavy. You could consider adding a math minor.
• It is essential to get involved in campus activities and internships to further develop soft skills. It is usually soft skills that prevent some students from easily finding employment, not technical skills.
• Gain additional certifications and training. You can access Lynda.com and Skillsoft to receive free training on www.my.uga.edu.