

# Computer Science

What can I do with this degree?

AREAS	EMPLOYERS	PREPARATION
<p><b>PROGRAMMING</b></p> <ul style="list-style-type: none"> <li>• Systems</li> <li>• Applications Business</li> <li>• Applications Business</li> <li>• Maintenance</li> <li>• Project Management</li> </ul>	<p><b>ANY LARGE ORGANIZATION INCLUDING</b></p> <ul style="list-style-type: none"> <li>• Government</li> <li>• Banks</li> <li>• Retail chains</li> <li>• Manufacturers</li> <li>• Universities</li> </ul> <p><b>COMPUTER VENDORS</b></p> <p><b>CONTRACT AND TEMPORARY EMPLOYERS</b></p> <p><b>MANAGEMENT CONSULTING FIRMS</b></p> <p><b>SOFTWARE AND COMPUTER COMPANIES</b></p>	<ul style="list-style-type: none"> <li>❖ Obtain internship or volunteer in an art museum.</li> <li>❖ Develop strength in art history areas.</li> <li>❖ Enhance computer skills.</li> <li>❖ Take a business minor.</li> <li>❖ Acquire strong skills in research, fund-raising, speaking and writing.</li> <li>❖ Earn an advanced degree in an academic discipline or museum studies for greater career opportunities.</li> <li>❖ Each specialty has varying qualifications and required training.</li> </ul>
<p><b>SYSTEMS DEVELOPMENT</b></p> <ul style="list-style-type: none"> <li>• Analysis</li> <li>• Design</li> <li>• Support</li> <li>• Specialty Systems</li> <li>• Database</li> <li>• Client-Server</li> <li>• Expert</li> </ul>	<ul style="list-style-type: none"> <li>• Banks</li> <li>• Insurance companies</li> <li>• Consulting</li> <li>• Firms</li> <li>• Financial agencies</li> <li>• Manufacturers</li> <li>• Government agencies</li> <li>• Computer companies</li> <li>• Research institutions</li> </ul>	<ul style="list-style-type: none"> <li>❖ Develop interpersonal skills; must communicate effectively with technical and non-technical colleagues.</li> <li>❖ Gain programming experience. Many analysts begin their careers as programmers.</li> <li>❖ Become an effective problem solver.</li> <li>❖ Take business courses. Earn the M.B.A. degree for advanced positions.</li> <li>❖ Plan to continually educate self on new computer languages and technology.</li> </ul>
<p><b>COMMERCIAL ART</b></p> <ul style="list-style-type: none"> <li>• Engineering</li> <li>• Administration</li> </ul>	<ul style="list-style-type: none"> <li>• Variety of organizations/industries</li> </ul>	<ul style="list-style-type: none"> <li>❖ Work in university computer labs.</li> <li>❖ Develop communication skills and interest in helping others.</li> <li>❖ Gain knowledge in a variety of computer areas including minor programming, software, hardware, etc.</li> <li>❖ Plan to stay abreast of latest technology and software.</li> </ul>
<p><b>INTERNET</b></p> <ul style="list-style-type: none"> <li>• Programming</li> <li>• Software Design</li> <li>• Systems Analysis</li> <li>• Hardware Production</li> <li>• Web Page Design</li> </ul>	<ul style="list-style-type: none"> <li>• Network access points</li> <li>• Backbone operators</li> <li>• Online service providers</li> <li>• Internet service providers</li> <li>• Computer/equipment vendors</li> </ul> <p><b>INTERNET RELATED COMPANIES INCLUDING:</b></p> <ul style="list-style-type: none"> <li>• Browsers</li> <li>• Search engines</li> <li>• Web Site design services</li> <li>• Large businesses</li> </ul>	<ul style="list-style-type: none"> <li>❖ Gain experience as webmaster through part-time jobs, internships, or volunteering to design web pages for student organizations.</li> <li>❖ Learn web-related programming languages.</li> <li>❖ Develop a flare for creativity.</li> <li>❖ Learn to communicate and work well with others in a team by participating in group projects or student organizations.</li> <li>❖ Earn a master's degree in computer science for advanced opportunities in programming, analysis, hardware/software engineering, etc.</li> </ul>

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<b>CONSULTING</b>	<ul style="list-style-type: none"> <li>• Consulting firms</li> <li>• Self-employed</li> </ul>	<ul style="list-style-type: none"> <li>❖ Obtain a strong technical knowledge of computers, a background in business management, and experience as a systems analyst.</li> <li>❖ Learn various programming languages and operating systems.</li> <li>❖ Develop exceptional analytical and interpersonal skills.</li> </ul>
<b>EDUCATION</b>	<ul style="list-style-type: none"> <li>• Public and private schools, K-12</li> <li>• Colleges and universities</li> </ul>	<ul style="list-style-type: none"> <li>❖ Certification required for public school teaching.</li> <li>❖ Earn a doctoral degree in computer science for post-secondary positions.</li> <li>❖ Develop a research specialty.</li> <li>❖ Gain experience working with other students through tutoring or positions in computer labs.</li> </ul>
<b>NON-TECHNICAL</b> <ul style="list-style-type: none"> <li>• Customer/Product Support</li> <li>• Training</li> <li>• Technical Writing</li> <li>• Sales and Marketing</li> </ul>	<ul style="list-style-type: none"> <li>• Software/hardware manufacturers</li> <li>• Retail stores, vendors</li> </ul>	<ul style="list-style-type: none"> <li>❖ Develop excellent communication skills; must be interested in helping customer solve problems.</li> <li>❖ Work in university computer labs.</li> <li>❖ Take technical writing courses to develop skills.</li> <li>❖ Seek related work experience through part-time jobs.</li> </ul>

## LINKS

<p><a href="#">A Career in Computer Game Development</a></p> <p><a href="#">Careers in Computers</a></p> <p><a href="#">Association for Computing Machinery</a></p> <p><a href="#">Jobs for Software Developers</a></p> <p><a href="#">Skillsnet: Overview of Multimedia, Animation, and Computer Game Jobs</a></p> <p><a href="#">Get in the Game - Computer Game Industry Information</a></p>	<p><a href="#">Gamejobs.com</a></p> <p><a href="#">Careers in Computer Science and Computer Engineering</a></p> <p><a href="#">Engineer and Computer Careers Online</a></p> <p><a href="#">Computer Programmer from the Occupational Outlook Handbook</a></p> <p><a href="#">Systems Analyst, Computer Scientists, and Database Administrators from the Occupational Outlook Handbook</a></p> <p><a href="#">Computer and Information Systems Managers from the Occupational Outlook Handbook</a></p>
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