

# COMPUTER SCIENCE

## What can I do with this degree?

\* The field of computer science is constantly changing. The areas listed below do not exhaust possible career options.

AREAS	EMPLOYERS	STRATEGIES
<u>PROGRAMMING</u> Systems Applications Scientific Business Maintenance Project Management	Computer vendors Software and computer companies Any large organization including: Banks, retail chains, manufacturers, universities, and government agencies Management consulting firms Contract and temporary employers	Get first-hand experience through internships or co-ops. Develop attention to detail and a flair for creativity. Learn to work well with a team and to meet deadlines. Supplement computer degree with courses in business, science or technology. Stay current on programming languages. Earn a master's degree for upper level positions. Seek the Certified Computing Professional designation by passing a series of exams and experience requirements.
<u>SYSTEMS DEVELOPMENT</u> Analysis Design Support Specialty Systems Database Client-Server Expert	Banks, insurance companies, consulting firms, financial agencies, manufacturers, government agencies, computer companies, research institutions	Develop interpersonal skills; must communicate effectively with technical and non-technical colleagues. Gain programming experience. Many analysts begin their careers as programmers. Become an effective problem solver. Take business courses. Earn the M.B.A. degree for advanced positions. Plan to continually educate self on new computer languages and technology.
<u>NETWORK TECHNOLOGY</u> Engineering Administration	Variety of organizations/industries	Work in university computer labs. Develop communication skills and interest in helping others. Gain knowledge in a variety of computer areas including minor programming, software, hardware, etc. Plan to stay abreast of latest technology and software.

<b>AREAS</b>	<b>EMPLOYERS</b>	<b>STRATEGIES</b>
<u>INTERNET</u> Programming Software Design Systems Analysis Hardware Production Web Page Design	Network access points Backbone operators Online service providers Internet service providers Computer/equipment vendors Internet-related companies including: Browsers Search engines Web Site design services Large businesses	Gain experience as webmaster through part-time jobs, internships, or volunteering to design web pages for student organizations. Learn web-related programming languages. Develop a flare for creativity. Learn to communicate and work well with others in a team by participating in group projects or student organizations. Earn a master's degree in computer science for advanced opportunities in programming, analysis, hardware/software engineering, etc.
<u>CONSULTING</u>	Consulting firms Self-employed	Obtain a strong technical knowledge of computers, a background in business management, and experience as a systems analyst. Learn various programming languages and operating systems. Develop exceptional analytical and interpersonal skills.
<u>EDUCATION</u>	Public and private schools, K-12 Colleges and universities	Certification required for public school teaching. Earn a doctoral degree in computer science for post-secondary positions. Develop a research specialty. Gain experience working with other students through tutoring or positions in computer labs.
<u>NON-TECHNICAL</u> Customer/Product Support Training Technical Writing Sales and Marketing	Software/hardware manufacturers Retail stores, vendors	Develop excellent communication skills; must be interested in helping customer solve problems. Work in university computer labs. Take technical writing courses to develop skills. Seek related work experience through part-time jobs.