



What Can I Do with a Major in... Computer Science

Possible Career Options

(some career areas require advanced education)

Artificial Intelligence Specialist
Business Credit/Loan Administrator
Computer Engineer
Computer Operator
Computer Systems Manager
Consultant
Contract Administrator
Cryptographer
Customer Engineer
Database Administrator
Document Specialist
EDP Auditor
Ergonomics Program Designer
Government Official
Indus. Transportation Specialist
Information Systems Auditor
Inventory Control Specialist
Manufacturing Engineer
Market Research Analyst
MIS Manager
Printing Manager
Production Manager
Programmer/Analyst
Quality Control Engineer
Risk Analyst
Sales Representative
Special Effects Specialist
Specification Writer
Statistician
System Software Developer
Systems Engineer
Systems Analyst
Teacher
Technical Site Manager
Technical Writer
Telecommunications Specialist
Training Instructor
Treasury Mgt. Consultant

Leadership/Management Skills

- Applying data
- Setting goals and making decisions
- Identifying priorities and parameters
- Managing time, energy and resources effectively
- Self-directed in work
- Identifying problems and needs

Communication/Writing Skills

- Demonstrating premises and reasoning to their conclusion
- Comprehending written material
- Listening objectively

Research/Analytical Skills

- Applying information creatively to solve specific problems
- Manipulating information using expertise in computer skills, accounting and mathematics
- Developing new approaches to problems
- Using system analysis

Artistic/Creative Skills

- Dealing creatively with symbols or images
- Visualizing spatial relationships
- Illustrating, displaying, creating two or three dimensional images

Other Skills

- Operating machinery
- Operating complicated electronic equipment
- A unique combination between communication techniques where several disciplines are brought together

Print and Web Resources

OCS Books

America's Top Computer and Technical Jobs
Careers For Cyber Surfers and Other Online Types
From Biotech to Hollywood: New Career Opportunities in Technology
Great Jobs for Computer Science Majors

Online Career Resources

Career Information
www.careercornerstone.org/compsci/compsci.htm

Occupational Outlook Handbook
www.stats.bls.gov/oco/ocos110.htm (Programmers)
www.stats.bls.gov/oco/ocos042.htm (Database Administrators)
www.stats.bls.gov/oco/ocos258.htm (Information Systems)
www.stats.bls.gov/oco/ocos267.htm (Software Engineers)
www.stats.bls.gov/oco/ocos287.htm (Analysts)

Internship Electronic Resources

After College
www.aftercollege.com

Idealist and Action Without Borders
www.idealists.org

Local Internships
www.hope.edu/knowhope/internships/index.cgi

Employment Opportunity Electronic Resources

Computer Jobs
www.computerjobs.com

Computer Work
www.computerwork.com

Dice—A Technology Leader
www.dice.com

Software Jobs in Chicago
www.softwarejobschicago.com

Information Technology Careers
www.itcareers.com

More resource links are available at the Office of Career Services website:

www.hope.edu/student/career

Professional Associations

American Association for Artificial Intelligence
www.aaai.org

American Computer Science Association
www.acsa2000.net

American Electronics Association
www.aeanet.org

American Society for Information Science
www.asis.org

American Society for Information Science and Technology
www.asis.org

Association for Computing Machinery
www.acm.org

Association for Women in Computing
www.awc-hq.org

Association of Information Technology Professionals
www.aitp.org

Computer Professionals for Social Responsibility
www.cpsr.org

Institute of Electrical and Electronics Engineers
www.computer.org

International Society for Computers and their Applications
www.isca-hq.org

Internet Society
www.isoc.org

Mathematical Association of America
www.maa.org

Society for Industrial and Applied Mathematics
www.siam.org

Society for Information Management
www.simnet.org

USENIX Association
www.usenix.org

Hope Graduates in the Computer Science World

Aerospace Engineer	Smiths Industries Aerospace
Airborne Cryptologic Linguist	United States Air Force
Animation Director	Lawrence Production
Application Development Engineer	GE Medical Systems
Client Delivery Systems Analyst	Hewitt Associates
Computer Analyst	Mgna Donnelly
Computer Engineer	United States Government
Computer Programmer	Northrup Grumman
Co-Owner/President	Slashdot
Cross Platform Software Developer	Deloitte & Touche
Database Analyst	Dartmouth College
Graphic Artist	Quixtar Communications
Human Factors Analyst	AT&T
Information Technology Manager	Hewlett Packard
Intelligence Analyst	Central Intelligence Agency
International Credit Analyst	Whirlpool Financial Corporation
Network Administrator	Max Planck Institute of Cellular Biology & Genetics
President	Worksighted
Programmer	Quantum Resources
Project Manager for IT	BBDO
Quality Control Technician	Sun Chemical
Senior Applications Engineer	Steelcase, Inc.
Senior Programmer	Cap Gemini America
Senior Software Engineer	IBM Corporation
Senior Vice President	Intellibridge Corporation
Systems Administrator	Dow Jones
Technical Systems Consultant	Acoustics by Design
Technical Writer	Adobe Systems
Technology Analyst	Accenture
Telecommunications Specialist	SBC
Transportation Analyst	Ford Motor Company
Treasury Management Specialist	National City Bank
Vice President of Business Development	Knoware, Inc.