What Can I Do With a Major in…?
Computer Science

Overview

Computer Science is primarily concerned with information processes, the structure and procedures needed to represent them, and the systems needed to implement them. Spanning a broad spectrum of basic and applied sub disciplines which range from foundations in logic and the computational complexity of algorithms through compilers, operating systems, and databases, the discipline continues to expand in terms of new architectures, networks, vision, robotics, and computer-aided design.

The following list contains a representative sample of job titles of former graduates with a math or computer science major. Use this as an idea list, and remember that it represents some, but certainly not all, of the careers you might consider, some of these jobs also require education beyond a bachelors' degree.

Related Careers

Accountant
Actuary
Aerospace Engineer
Air Traffic Controller
Applications Development Manager
Applications Programmer
Applied Science Technologist
Artificial Intelligence Programmer
Astronomer
Biometrician
Change Package Engineer
Change Package Manager
Coder
Compensation/Benefits Manager
Computer Aided Design Technician
Computer Consultant
Computer Engineer
Computer Facilities Manager
Computer Installation and Test Specialist
Computer Marketing/Sales Representative
Computer Programmer
Computer Scientist
Console Operator
Consultant
Contract Administration
Corporate Trainer
Cost Estimator/Analyst
Cryptographer/Cryptologist
Database Manager
Data Control Administrator
Data Processing Manager
Demographer
Design Engineer
Econometrician
Economist
Engineer
Engineering Lab Technician
Environmental Technologist
Estate Planner
External Auditor
Fabricator
Field Service Representative
Financial Auditor
Financial Consultant
Financial Manager
Hydro Geologist
Industrial Engineer
Information Scientist
Inventory Control Specialist
Investment Banker
Investment Manager
ISO Specialist
Market Research Analyst
Mathematician
Media Buyer
Meteorologist
MIS Director
Mortgage Researcher
Network Administrator
Network Analyst
Numerical Analyst
Operations Manager
Operations Research Analyst
Physicist
Planning Manager
Pollution Meteorologist
Product Assurance Engineer
Production Manager
Production Support Specialist
Psychometrician
Public Health Statistician
Purchasing/Contracting Agent
Quality Assurance Analyst
Research Analyst
Risk Analyst
Risk and Insurance Specialist
Robotics Programmer
Satellite Communications Specialist
Security Engineer
Software Development Specialist
Software Engineer
Statistician
Systems Engineer
Software Support Specialist
Systems Programmer
Teacher: Science/Math/Computers
Technical Support Representative
Technical Writer
Transportation Geography Researcher
Transportation Planner
Treasury Management Specialist
Underwriter
University Professor
Urban Planner
Webmaster
MAJOR SKILLS

- Abstract and Formal Reasoning
- Knowledge of Operating Systems
- Testing
- Mathematical Skills
- Organizing/Simplifying
- Detail Oriented
- Work Independently and in Teams
- Statistical Analysis
- Written and Oral Communication Skills
- Research
- Efficiency
- Critical Thinking
- Programming Language Concepts
- Multi-tasking
- Analyzing
- Problem Solving
- Logical Thinking
- Thoroughness
- Advanced Quantitative Abilities
- Designating Systems
- Marketing Concepts
- Classifying/Systematizing
- Systematic
- Programming

RELATED WEB SITES

TU Job Postings http://myinterface.com/trinity/student
Tech-Centric http://www.tech-centric.net
Just Tech Jobs - searchable by skill www.justtechjobs.com
Jobs for programmers - 6000 employers http://www.prgjobs.com
Java Jobs http://javajobs.com
Computerwork.com http://www.computerwork.com
CMP Technology Network job postings http://www.cmpnet.com/
Computer Jobs www.computerjobs.com
Corning http://www.corning.com/careers
Progress Energy www.progress-energy.com/aboutus
IBM http://www-1.ibm.com/employment
Intelligent Information Systems (IIS) http://www2.renewal-iis.com
Lucent Technologies http://www.lucent.com
Microsoft www.microsoft.com
SAS http://www.sas.com

PROFESSIONAL ORGANIZATIONS

American Mathematical Society http://www.ams.org
Society for Industrial and Applied Mathematics http://www.siam.org
Association of IT Professionals http://www.aitp.org
Women in Technology International http://www.witi.com
Information Systems Consultants Association http://www.isca.org
Association for Computing Machinery (ACM) http://www.acm.org/
Association for Women in Computing www.awc-hq.org
Independent Computer Consultants Association www.icca.org
The System Administrators Guild http://sageweb.sage.org
IEEE Computer Society http://www.computer.org/pubs/computer/career/career.htm
Computing Research Association http://cra.org