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# COMPUTER SCIENCE

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## What can I do with this degree?

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Computers are helping solve some of the world's most interesting and difficult challenges such as space travel, protecting national security, and predicting the path of a hurricane. With a degree in computer science, you can join a team that analyzes challenges like these. Computer science graduates are in demand at more than just computer companies as computer technology becomes increasingly important for industries around the world. The programming skills and Web know-how you will develop as a computer science major will help you find creative ways to use your analytical and problem-solving skills in an expanding job market.

### Computer Science Skills

- System Development
- Software and Hardware Installation
- Network Maintenance
- Knowledge of Computer Language
- Trouble Shooting Technical Problems
- Creative Problem-Solving Skills
- System Design
- Communicating effectively
- Maintaining Databases
- Information Security

### Computer Science Degrees

Bachelor of Science in Computer Science, offered at Texas State

Bachelor of Arts in Computer Science, offered at Texas State

### Common Job Titles

Technical Analyst/Computer Support  
Database Engineer/Administrator  
Lab Technician  
Fraud Detection  
Computer Teacher  
Administrator  
Chief Technology Officer\*

\* *Advanced Degree Helpful*

Director of IT Operations\*  
Software Engineer  
Computer Programmer  
Web Developer  
Forensic Auditor   Network  
Chief Information Officer\*  
Computer Systems Analyst

### Common Work Settings

- Colleges and Universities
- Business Local/Large Corporations
- Tech Companies: Dell, Apple, Microsoft
- Media Companies: Clear Channel
- Governmental Agencies
- Automotive and Aerospace Industries
- Bank and Retailers
- Engineering Firms

## **RESOURCES**

### **Student Organizations**

Sigma Chi Sigma, [www.sigmachisigma.org](http://www.sigmachisigma.org)

### **Professional Organizations**

Association of Information Technology Professionals, [www.aitp.org](http://www.aitp.org)

Association for Computing Machinery, [www.acm.org](http://www.acm.org)

EDUCAUSE, [www.educause.edu](http://www.educause.edu)

IEEE, [www.ieee.org](http://www.ieee.org)

Society of Women Engineers, [www.societyofwomenengineers.swe.org](http://www.societyofwomenengineers.swe.org)

### **Job Search Links**

Jobs 4 Cats: <http://www.careerservices.txstate.edu/students.html>

Computer Jobs: <http://www.computerjobs.com/>

Indeed: <http://www.indeed.com/>

### **Career Planning Links**

The Vault: <http://www.vault.com/wps/portal/usa>

Exploring Occupations: <http://www.careeronestop.org>

Occupational Outlook: <http://www.bls.gov/ooh/>

### **Career Library Resources**

Great Jobs for Computer Science Majors by Jan Goldberg

Career in Focus: Computer and Video Game Design by Ferguson

Career in Focus: Computer by Ferguson

*Information for this handout compiled from: Texas State University Computer Science department: <http://www.cs.txstate.edu/> and the Occupational Outlook Handbook: <http://www.bls.gov/ooh>*