

## Career Information for Computer Engineering

A College of Science & Engineering major

### General Overview Information

The computer engineering program is a combination of electrical engineering and computer science. The focus is primarily on computer hardware and software design and development. Computer engineers may design computer systems for a host of devices, from consumer electronics, to automobiles, to industrial machinery. Computer engineers have the background to design the hardware, software, and human interface systems for these devices. Computer engineers are in great demand from a variety of industries.

### Do You Have These Characteristics?

Logical Thinking · Attention to Details · Work Well Independently & as a Team · Creativity  
Problem Solving Skills · Excellent Technical Aptitude · Willingness to Continue Education

### Salary Information Can Be Found At:

[www.bls.gov/bls/blswage.htm](http://www.bls.gov/bls/blswage.htm)

[www.iseek.org](http://www.iseek.org)

[www.stcloudstate.edu/careerservices](http://www.stcloudstate.edu/careerservices)

### What Can You Do?

- Firmware Engineer
- Computer Engineer
- Network Systems Engineer
- Computer Programmer
- Software Engineer
- Digital Systems Engineer
- Human Interface Engineer
- Database Developer
- Internet/Intranet Developer
- Computer Systems Engineer

### Where Can You Work?

- Engineering Firms
- Financial Institutions
- Government Agencies
- Insurance Carriers
- Educational Institutions
- Independent Consulting
- Research Institutes
- Wholesale & Retail Business
- Health Care Facilities
- ....and MORE!

### Resources

- SCSU Computer Engineering – <http://bulletin.stcloudstate.edu/ugb/programs/ece.asp>
- Occupational Outlook Handbook – <http://www.bls.gov/oco/ocos110.htm>
- Institute for Certification of Computing Professionals – [www.iccp.org](http://www.iccp.org)
- Sloan Career Cornerstone Center – [www.careercornerstone.org](http://www.careercornerstone.org)
- *101 Best .com Resumes and Cover Letters*
- *A/E/C Employers*
- *Career Opportunities in Computer and Cyberspace*
- *Career Opportunities in Engineering*
- *Careers for Computer Buffs and Other Technical Types*
- *Careers for Scientific Types and Others with Inquiring Minds*
- *Careers in High Tech*
- *E-resumes*
- *Expert Resumes for Computer and Web Jobs*
- *Expert Resumes for Engineers*
- *Handbook of Scientific & Technical Careers*
- *Minnesota Business Directory*
- *National Trade and Professional Associations*
- *Resumes for Science Careers*
- *The Unofficial Guide to Getting a Job at Microsoft*  
(Books are available at SCSU Career Services Center)