Program Description

Computer Engineers typically design new computer hardware, create blueprints of computer equipment to be built, and test the completed models of the computer hardware. Computer engineers also analyze the test results and modify the designs as needed, updating existing computer equipment so that it will work with new software, overseeing the manufacturing process for computer hardware, and maintaining knowledge of computer engineering trends and new technology.

Sample Occupations
- Computer Engineer
- Software Developer
- Desktop Engineer
- Test Automation Engineer
- Database Developer
- Test Engineer
- Systems Engineer

Sample Work Settings
- Computer Systems Design & Related Services
- Semiconductor and Other Electronic Component Manufacturing
- Scientific Research and Development Services
- Federal Executive Branch
- Computer and Peripheral Equipment Manufacturing
- Communications Equipment Manufacturing
- Navigational, Measuring, Electromedical, and Control Instruments Manufacturing
- Software Publishers
- Specialized Design Services

Job Search & Career Planning Resources
Use Career Center online resources (GWork, GoingGlobal, Vault)
Keywords: Computer, Software

Top Employer in this field
Citrix, Texas Instruments, QUALCOMM, Hewlett-Packard, Expedia, Intel, Yahoo, Cisco, Intuit, Amazon, Microsoft, NVIDIA, Oracle, Apple, Google

Job Search Sites
- Engineering Central: www.engcen.com
- Engineering Jobs: www.engineerjobs.com
- Graduating Engineer: www.graduatingengineer.com
- Engineering Careers: www.thecareerengineer.com

Professional Organizations
Tips: Join professional organizations to network and find out more about your field.
The Association of Computer Engineers and Technicians www.ace-acet.org
IEEE The Community for Technology Leaders www.computer.org