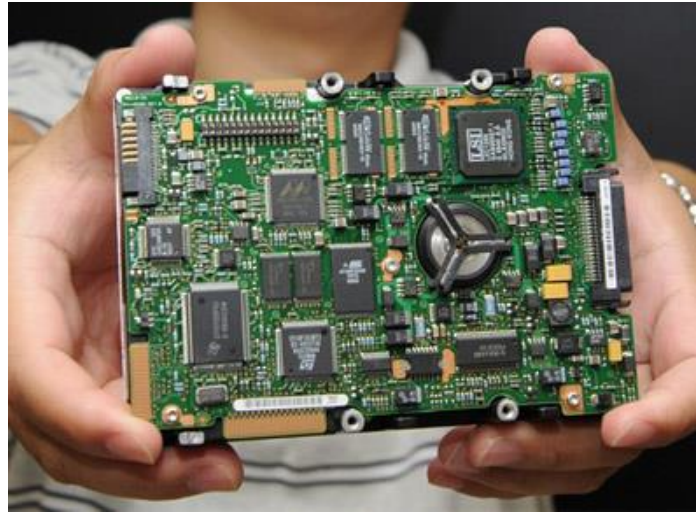


Computer Engineering

Electrical & computer engineering is concerned with energy, electronic systems, devices, and equipment. It also involves modeling, simulations, and algorithms. Electricity and electronics power gas, hydro, solar, geothermal, and fuel cells. Knowledge base includes circuit & microprocessor design, computer architecture, computer networks, communications, digital signal and image processing, lasers and fiber optics, electromagnetics, VLSI, lighting and wiring systems, solid-state electronics and neural networks.



Electrical & computer engineers work with electricity, switches, controls, electrical systems, power generation, wiring, radar and navigation systems, communications and utilities. They design and create products like GPS navigation systems, cell phones and other wireless communications devices, microprocessors, electrical control systems and biomedical devices.

Transferable Skills

- Abstract reasoning
- Project management
- Effective communication
- Systems design
- VLSI
- Laboratory skills
- Processor design
- Problem solving
- Analytical skills
- Teamwork
- Computer-based modeling

Career Communities to Consider

- IT & Engineering
- Government & Public Service
- Business
- Healthcare