Computer Engineering
Coover Hall

What is Computer Engineering?

A computer engineer’s job is to make computers faster, smaller, and cheaper. They can work in many different areas including:

- Computer Networking – Designing and analyzing main computer components such as processors, memorials, and peripherals.
- Secure and Reliable Computing – Work with making sure computer networks are secure and safe from cyber criminals.
- Very Large Scale Integration – Work with the brains of the electronic devices. Make components smaller, faster, and able to store more information.

Students within the department have access to a first-of-its-kind virtual cyber security lab on campus. There students who study computer security, can work for the FBI to catch cyber criminals, work for a bank, or other companies to secure their online transactions and networks. Students can also work with the Developmental Robotics Research Lab. Here a professor is leading a team of students that built a robot and are teaching it to learn like human children do. The robot goes through various tests in order to collect data on specific sounds, vibrations, spacial awareness, etc. From the data, the robot is able to detect a certain container, the best writing surface, whether or not an object is in a bucket or something else.

Numbers:

- Undergraduates: 439 students (Spring 2011)
- Average starting salary: $58,400
- 99 % In-Profession placement rate within 6 months after graduation

Clubs and Projects:

- **ISEAGE** – A cyber competition involving three teams: one team creates a network, another hacks the system, and the third protects it.
- **Critical Tinkers** – Student-run club that works with IEEE, current students, and prospective students to help become better engineers.
- **Digital Women** – A group for female Computer, Electrical, and Software engineers.
- **ISU Robotics Club** – Be involved with many robotics projects and outreach.