Computer Engineering is a program in which students will learn to apply mathematical and scientific principles to the design, development and operational evaluation of computer hardware and software systems and related equipment and facilities. Students will develop a strong background in basic computer engineering subjects, physics, and mathematics and then take specific courses related to computers, electronics, applied physics, and software developments.

**Sample Coursework**
- Introduction to Engineering
- Programming
- Analytic Geometry
- Integrated Calculus
- Mechanics
- Design of Digital Computers
- Multiprocessor Systems & Interfacing

**Employment and Graduate School Information**

**Employment Outlook**
Computer software engineering is projected to be one of the fastest growing occupations by increasing thirty eight percent from 2006 to 2016. This is one of the largest employment increases of any occupation. Computer hardware engineers may face competition for jobs because of foreign competition. Employment growth for computer hardware engineers is projected to grow slower than average (Occupational Outlook Handbook, 2008-09).

**Salary Expectations**
Examples of national median annual salaries of careers that can be obtained with a Computer Engineering degree are (O*NET, 12/2013): Aerospace Engineer $103,720, Quality Assurance Engineer $81,140, Computer Programmer $74,280, Network Engineer $91,000, Robotics Engineer $92,030.

(This section is intended for informational purposes, not predication of actual salary. Salary information is based on national salary ranges which are greatly impacted by location and relative cost of living.)

**Graduate/Professional School Opportunities**
Computer Engineering graduates may choose to pursue advanced degrees in one of the following areas: Computer Systems Engineering, Other Engineering Fields, Computer and Information Science, and Business Administration.

**Possible Career Opportunities**
- Aerospace Engineer
- Computer Programmer
- Internet/Intranet Technologies Manager
- Network Engineer
- Quality Assurance Engineer
- Robotics Engineer

**Where Can I Get More Information?**
- Purdue School of Engineering and Technology
  Office: SL 174 Phone: (317) 274-9713 engr.iupui.edu
- Association for Computing Machinery acm.org
- Institute of Electronics and Electrical Engineers Computer Society computer.org

**Interest Code**

- Realistic
- Investigative
- Social

**University College Academic and Career Development** acd.iupui.edu