Computer engineers design computer systems, both hardware and software, to create new technology and meet new societal needs. The field of computer engineering covers a wide range of topics including computer architecture, operating systems, communications, computer networks, robotics, artificial intelligence, supercomputers, computer-aided design and neural nets. Computer engineers work at the frontier of high technology and are involved in research, the creation of new ideas and the design and development of new products, manufacturing and marketing activities.
Pursuing Computer Engineering at UK

Why UK? One great reason is the University of Kentucky’s reputation for strong academics combined with a great success rate for job placement and alumni success. Students who enroll as computer engineering students at UK study at Kentucky’s flagship research institution, meaning you’ll be learning from top-flight people looking to make the next big breakthroughs in their field. The Department of Electrical and Computer Engineering faculty are readily accessible both inside and outside the classroom and students have the chance to grow personally and professionally.

Career Prospects in Computer Engineering

Computer engineers work in every industry you can think of: film and television, aerospace, automotive, business machines, professional and scientific equipment, computers and electronics, communications and medical technology. They work in public utilities, at NASA, the National Institutes of Health and the Department of Defense. As researchers, they study everything from fuel cells to nanotechnology. If it’s got an on/off switch, these engineers have studied it, designed it or produced it.

Undergraduate Research in Computer Engineering

Computer engineering undergraduates participate in state-of-the-art research related to supercomputers, computer architecture, embedded systems and machine learning. Recent student projects have included development of virtual reality systems, new methods for computational photography and deep learning methods for image processing.