Top reasons to choose computer engineering as your major

- Award-winning faculty and staff, along with outstanding undergraduate and graduate students, make up the most widely recognized and sought-after computer engineering program in the state.

- Small in-major classes are taught by professors — not teaching assistants. Many of our junior- and senior-level design courses have enrollments of fewer than 15 students, allowing for a family-like atmosphere and individualized attention.

- Our program offers an exceptional career outlook with industry demand outweighing the supply of our graduates. Most of our students have completed internships and signed full-time contracts before graduation.

- If writing software is enjoyable to you but you would also like to understand and work more closely with the hardware on which the software is running, then computer engineering is the degree for you. Computer engineers are the preferred software engineers for many embedded systems and mobile devices because of their understanding of how software impacts hardware constraints such as power consumption, memory capacity and device interoperability.

- Hands-on, laboratory-based approach to our curriculum ensures students are well versed in project development and problem solving as well as ready to meet the challenges of working beyond graduation.

- Challenging course work and projects, along with opportunities to become involved in research, student organizations and design teams, add up to a great career outlook and investment in this “once-in-a-lifetime experience.”
Program overview

- Electrical and computer engineers (ECEs) design and develop the latest cutting-edge electronic and software-based solutions meeting the demands of the commercial, health care, academic and defense industries. ECEs use computers, electronics, mathematics, physics, engineering and problem-solving skills to create the most complex systems on Earth to help make our world a better and more exciting place.

- Computer engineers are not necessarily involved in the design of traditional desktop and laptop computers. Instead, they combine knowledge of the computer-oriented side of electrical engineering with ideas in computer science to design much of the low-level software — operating systems, kernels and drivers — that allows various computer-based hardware pieces of the system to work together. Computer engineering plays a role in nearly all electronic-based products, services and systems in use today.

- Computer engineering graduates are in high demand not only in Kansas and the Midwest, but nationally and internationally. Most graduates of the program have had at least one internship and have full-time employment secured a semester prior to graduation.

- The Bachelor of Science in Computer Engineering is accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org.
Why computer engineering at K-State?

Areas of specialization
- Architecture and design
- Embedded systems
- Multimedia and networking

Numbers that count
- Average starting salary: $63,637
- Enrollment: 147
- Faculty: 21
Small in-major classes taught by award-winning faculty who combine classical theory with real-world applications and projects, provide students a deep understanding and experience necessary to become successful engineers.

Up-to-date lab facilities enhance and reinforce key theories taught in the classroom, and provide skills required for a career in computer engineering.

Opportunities abound for involvement in cutting-edge research, student organizations and design competition teams.

A family-like atmosphere starts with faculty and staff, and extends to our students with many first-name-basis relationships.

An exceptional career outlook with many internship and full-time opportunities are degree trademarks.

Student organizations and design teams

- Amateur Radio Club
- Electronics Club
- Eta Kappa Nu Honor Society
- IEEE Engineering in Medicine and Biology Society
- IEEE Power and Energy Society
- IEEE Student Chapter
- Robotics Team
- Wind-Turbine Design Team
- Women in ECE

Major employers

- Aeroflex
- Bettis Labs
- Cerner
- Garmin
- GE
- General Dynamics
- Google
- Honeywell
- IBM
- Intel
- John Deere
- Koch
- Lockheed Martin
- Microsoft
- NASA
- National Instruments
- Northrop Grumman
- Novatech
- Perceptive Software
- Qualcomm
- Sprint
- Textron
- And many more