Computer Science (CS)

Top reasons to choose computer science as your major

- **Jobs** — Computing-related jobs will grow by 20% over the next five years, with salaries starting at $70,000 a year.

- **Variety** — Computers are everywhere — your car, phone, doctor’s office, in the forest monitoring for wildfires. You can work anywhere and in any industry.

- **Helping others** — Computer scientists make our world better — improving agricultural practice, reducing traffic, discovering cancer-causing genes and keeping families close even when they are apart.

- **Connect with faculty** — We enjoy learning about your studies, aspirations and life. We share common research and interests.

- **Research opportunities** — Undergraduates are valued parts of our teams conducting cutting-edge research in software assurance, cybersecurity, cyber-physical systems and big data.

- **Community** — Our students work, learn and play together with 24-hour labs, student-led tutoring and seven departmental student clubs.

- **Fun events** — We regularly host pizza parties, game nights, movie nights, tailgates, barbeques, hackathons, programming contests and game jams.
• Fast-track your studies in the CS Scholars program, open to our top students.
• Work with Beocat, the fiercest cluster supercomputer in the Midwest with more than 4,500 cores and more than three petabytes of storage.
• Cybersecurity students can receive Scholarship for Service support — covering tuition, housing, health insurance, textbooks, and a $20k stipend for the last two years of study.
• Get paid internships at great companies and hone your skills in the “real” world.

Opportunities

• Join clubs organized around a variety of interests, and develop teamwork, networking and leadership skills.
• Be challenged to build original software systems to meet real-world needs.
• Carry out internationally recognized research as an undergraduate.
• Work part-time in your field as a programmer, web designer or IT support and build professional experience.
Why computer science at K-State?

Student clubs

- Our flagship student chapter, Association of Computing Machinery (ACM), hosts monthly tech talks, organizes game nights and programming contests, and offers weekly tutoring sessions.
- ACM-Women supports the unique interests and challenges of women in computer science.
- Cybersecurity teaches students to protect computer systems and compete in national counter-hacking competitions.
- Frequent departmental and club events offer prizes, food and t-shirts.
- Mobile development creates useful apps for Android and iOS devices.
- Game development club develops games as part of multidisciplinary teams.
- Makerspace brings programming, mechanics and aesthetics together in computer-controlled devices.
- Wildcraft, K-State’s first e-Sports club, competes for cash and prizes in national video game tournaments.
Program overview

Computer science offers multiple degree paths.

- Computer science emphasizes discovery and pushing boundaries to what we can accomplish with computers.
- Software engineering focuses on building scalable, robust and secure software to meet society’s needs.
- Information systems has a pragmatic focus on applying programming, web and IT skills in a specific field.
- The computer science minor is perfect for pairing programming skills with a degree of your choice.

Customize your studies to match your interests and career aspirations with 18-21 hours of unrestricted electives. You can even complete a double-major without adding to your time in college.

The Bachelor of Science in Computer Science is accredited by the Computing Accreditation Commission of ABET, http://www.abet.org.

Career paths/options

- Bioinformatics
- Computational scientist
- Consulting
- Cybersecurity
- Database administrator
- Data scientist
- Game developer
- Information security analyst
- Mobile app developer
- Network architect
- Programmer
- Software engineer
- System administrator
- Systems analyst
- User experience designer
- Web developer

Student experience

- Classes blend short lectures, engaging class discussions and hands-on exercises.
- Faculty are always ready to engage with students.
- We offer a 10-to-one, student-to-instructor ratio in core courses where students learn the foundations of software design.
- Opportunities exist to create software for real-world use through partnerships with other departments and the K-State Extension Office.
- Students can collaborate in 24-hour computer labs.
Learn more at

cs.k-state.edu

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