DEGREE PROGRAMS

Computer Science
- B.S. Computer Science
- B.S. Computer Science - Entrepreneurship
- B.S. Computer Science + MBA

Top 10 Areas of Specialization for Undergraduate Study

1. Software Engineering
2. Cybersecurity
3. Data Science
4. Internet of Things and Cyberphysical Systems
5. Multimedia and Graphics Technology
6. Networks and Mobile Computing
7. Parallel and Distributed Computing
8. Enterprise Information Systems
9. Computer Science Theory
10. Real-Time Embedded Systems
WORLD-CLASS-GRADUATES

WHERE THEY GO
IN THE LAST FIVE YEARS

TOP AREAS OF THE TECH INDUSTRY

- Agriculture
- Architecture and Design
- Communications
- E-commerce and Marketing
- Education
- Energy
- Engineering

- Entertainment
- Financial Services
- Health Care
- Information Technology
- Internet
- National Defense
- Social Media
Students at Kansas State University gain hands-on, high-tech experience with a wide range of operating systems and application software. Whether exploring an Android tablet or a powerful supercomputer, it all begins in the department’s own state-of-the-art technology labs.

**Beocat**
- Beocat is a Beowulf cluster: a collection of computers networked together to perform massive parallel computations.
- More than 3,500 cores and three petabytes of RAM allow Beocat to chew through even the most challenging of operations.
- Student programming opportunities are available through concurrent courses and other undergraduate research.

**Cybersecurity Lab**
- Multiple networks of machines are capable of emulating hundreds of combinations of hardware and operating system configurations.
- The lab allows exploration in network weakness and defense techniques, hacking and counter-hacking, software exploits and cryptography.
- Our program has been named a [Center of Academic Excellence in Information Assurance Education](#) by the National Security Agency.

**Cyber-physical Systems Lab**
- Students engage in hands-on cyber-physical systems development using mobile devices and embedded controllers in new insightful ways with the Internet of Things (IoT).
- Innovative solutions to contemporary problems are developed by combining augmented reality, scientific computing, machine vision and supercomputing.

**State-of-the-art Classrooms**
- Full multi-media classrooms include computer workstations for each student.
- A mix of lectures and hands-on exercises and labs enable students to learn through the immediate application of new concepts.
- Access is available to a variety of operating systems ranging from Windows, Linux, OSX and Android.
WORLD-CLASS FACILITIES

The computer science department is a part of the new $40 million addition to the Engineering Complex. In close proximity to the rest of the College of Engineering, our new home includes state-of-the-art labs, classrooms and offices. This building project is part of an initiative by the Kansas Legislature to increase the number of engineering graduates from the three major state universities by 50 percent.
The computer science department’s highly productive faculty members form the backbone of strong interdisciplinary teaching and research programs. Our faculty are researchers themselves providing state-of-the-art experiences needed to succeed. Lab-based classes make the learning environment more interactive, offering extra feedback on homework and projects.

**Areas of faculty expertise and advanced instruction**

- Software Engineering
- Cybersecurity
- Cyberphysical Systems
- Data Science
WORLD-CLASS INVESTMENT

SCHOLARSHIPS PROGRAM
The CS Scholars Program is designed to provide high-achieving and inquisitive students opportunities to excel through enhanced courses, smaller class sizes, industry mentoring and additional scholarships. For more information, please visit http://www.cs.ksu.edu/scholars.

SCHOLARSHIPS
For more information about scholarships at Kansas State University, please visit http://www.k-state.edu/sfa/scholarships/.

SCHOLARSHIP FOR SERVICE
Provides stipends and scholarships that cover all books, tuition, and room and board expenses in exchange for exciting government service after graduation. For more information please visit http://cisa.k-state.edu/scholarship/.

FINANCIAL ASSISTANCE
For more information, about financial assistance at Kansas State University, please visit http://k-state.edu/sfa.
Many internships and co-op opportunities are available to our students that offer valuable professional experiences and contacts in the field before graduation. A wide variety of companies recruit students through the All-University Career Fair, Engineering Career Fair, and employer-sponsored recruitment events within the department of computer science. Microsoft, Google, Garmin, Netsmart, and Cerner are just a few of the companies that actively recruit and employ CS students.

A number of on-campus information technology and web development-related jobs, as well as research-related employment positions are available for students to gain hands-on experience. Also, faculty members often involve students in research at all levels.
Career possibilities in computing sciences are as numerous and varied as the applications for which computers are used. Software engineering and related occupations are forecast to be one of the fastest growing fields over the next decade. Job opportunities are available in traditional software development and in operational specialties in all areas of the economy: business, banking, communication, manufacturing, agriculture, entertainment, education and government. The result is impressive starting salaries: exceeding $70,000 as of spring 2017 and continuing to rise every year.

OUR STUDENTS ARE EMPLOYED AT

- National Instruments
- General Dynamics
- Rockwell Collins
- Conoco Phillips
- GE Aviation
- Lexmark
- BETSOL
- Garmin
- Boeing
- Honeywell
- Microsoft
- CivicPlus
- Netsmart
- Amazon
- Google
- SofTek
- Cerner
- Koch

AND START WITH JOBS AS

- System Programmers
- Software Developers
- Network Specialists
- Technical Managers
- Software Engineers
- Network Engineers
- Technical Support
- Systems Analysts
- Database Admins
- Web Developers
- App Developers
- IT Directors
ASSOCIATION FOR COMPUTING MACHINERY (ACM)
The Association for Computing Machinery is the professional organization for computer scientists and our student chapter sponsors guest speakers, programming contests, game nights, organizes Open House activities and holds open tutoring sessions for computer science courses.

WOMEN IN COMPUTING (ACM-W)
The ACM-W student chapter supports and celebrates women in computing by hosting social events that allow students to interact with other technical women, network with female professionals and scholars in computing fields, participate in volunteer activities and more.

HACK K-STATE
Hack K-State is an academic competition team that hosts the annual Hack K-State hackathon and organizes official teams to send to other hackathons. The club helps students learn, build, and share their innovations in a relaxed and welcoming atmosphere.

ACM SIGAI
The Association for Computing Machinery Special Interest Group on Artificial Intelligence (ACM SIGAI) works with machine learning, autonomous robots, data science, game AI and other related branches of AI. The club invites guest speakers, discusses trends in AI and has workshops on programming.
**WEB DEVELOPMENT CLUB**
The web development club fosters learning about web technologies and helps members build skills relevant to today’s internet. The club helps students develop leadership and teamwork skills through voluntary club projects.

**MOBILE DEVELOPMENT CLUB**
Club members develop software for mobile devices such as tablets and phones.
Program Accreditation
The Bachelor of Science in computer science is accredited by the Computing Accreditation Commission of ABET, http://www.abet.org.

Notice of Nondiscrimination
Kansas State University is committed to nondiscrimination in admissions, programs and employment. Inquiries and complaints: Contact Director of Institutional Equity, Kansas State University, 103 Edwards Hall, Manhattan, KS 66506-4801, (Phone) 785-532-6220; (TTY) 785-532-4807.