



Programmed
for
Success

Computing and Information Sciences
KANSAS STATE UNIVERSITY



A High-Speed Future With CIS

Computing technology is integrated into every facet of today's society—from transportation to medicine to entertainment. Software is embedded everywhere, and degrees in Computer Science, Information Systems, and Software Engineering are in high demand.

At Kansas State University, we offer technology degrees that will program you for success. Small class sizes and state-of-the-art technology mean a better hands-on experience and an education that prepares you for the real world. Our dedicated faculty and staff are geared to help you achieve your goals.

If you are interested in computer science, information systems, or software engineering—or if you want to know more about what you can do with a degree in this area—our Department of Computing and Information Sciences can help you write the program for your success.

CIS QUICK FACTS

- There are currently more than 200 undergrads and nearly 150 graduate students in CIS.
- We are a “Top Five” program in the nation in programming languages as well as software and program analysis research.
- Our student robotics teams have competed successfully at the international level since 1997.





Cutting-Edge Technology

Students at K-State gain hands-on, high-tech experience with a wide range of operating systems and application software, beginning right in the department's own high-tech labs. There are more than 200 systems including Sun workstations, X Window System terminals, and PCs. These stations provide access to a variety of servers maintained by CIS, all interconnected by an extensive departmental network.

Additional computer facilities with Sun workstations, PCs, and Macs are also located throughout campus.

Don't want to be confined to a computer lab? Go wireless! K-State offers a campuswide wireless network that allows students to access the university's network remotely. So whether you are hanging out on the campus lawn or grabbing a snack between classes in the Student Union, you can stay connected.

“The professors here are always helpful, and there are so many opportunities for CIS students.”

– Karen Jantz, Wichita, KS

Great Faculty Network

With an average class size of 15–20 students, it's inevitable that your professors will know who you are. Now despite what you may be thinking, this is a good thing. Our 18 full-time faculty members take the time to get to know you and are always ready to help you choose a program of study, schedule classes, and explore job opportunities.

Our instructors are also constantly advancing technology through a wide range of research including the development of artificial intelligence techniques and embedded computer systems. All of that research gives you some great hands-on experience!

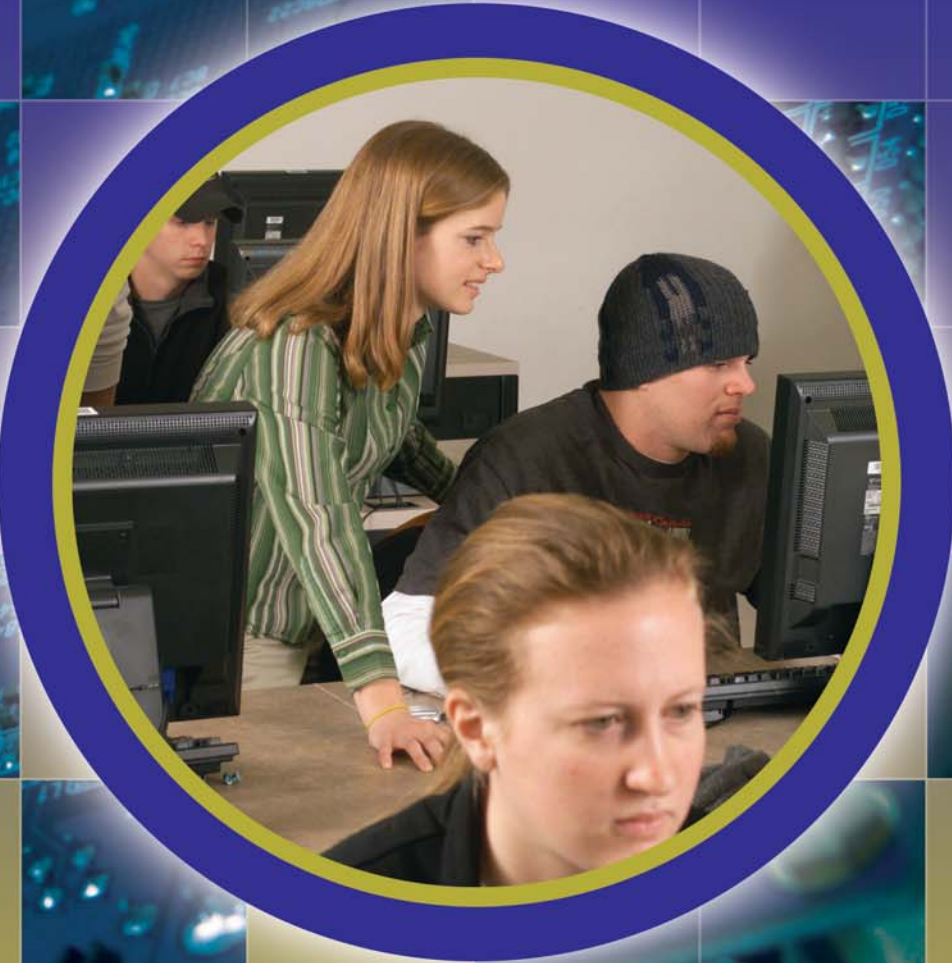
The Download on Scholarships

Scholarships for CIS are offered through the College of Engineering. Scholarship recipients are chosen based on ACT scores, cumulative GPA, class rank, grade trends, courses taken, honors, and activities. For more information, call 785-532-5590.

“We have high-quality students that make teaching and carrying out research projects satisfying and downright fun.”

– Scott DeLoach, Associate Professor





Menu of Programs

As part of the College of Engineering, the Department of Computing and Information Sciences is serious about offering high-quality degree programs. We not only educate graduates to become leaders in the competitive world of technology but also prepare our graduates to make an impact on all industries through their cutting-edge knowledge and training.

Undergraduate Degrees

- Computer Science – fundamentals of computing
- Information Systems – business and industry applications
- Software Engineering – design, construction, and integration of software and computing technology

Minors

- Computer Science
- Embedded Systems

Graduate Degrees

- M.S. in Computer Science
- Ph.D. in Computer Science
- Master of Software Engineering

Distance Learning

- Master of Software Engineering

Summary of Course Requirements for Computer Science, Information Systems, and Software Engineering

CIS Core Courses	5
Computer Science Major Courses	5
Information Systems Major Courses	6
Software Engineering Major Courses	4
Technical Electives	2
Computer Engineering	1
Math	2-4
Statistics	1
Natural Science	3-4
Economics	1
Humanities/Social Sciences	5-6
Speech/Expository Writing	3
Written Communication	1
Free Electives	3-5

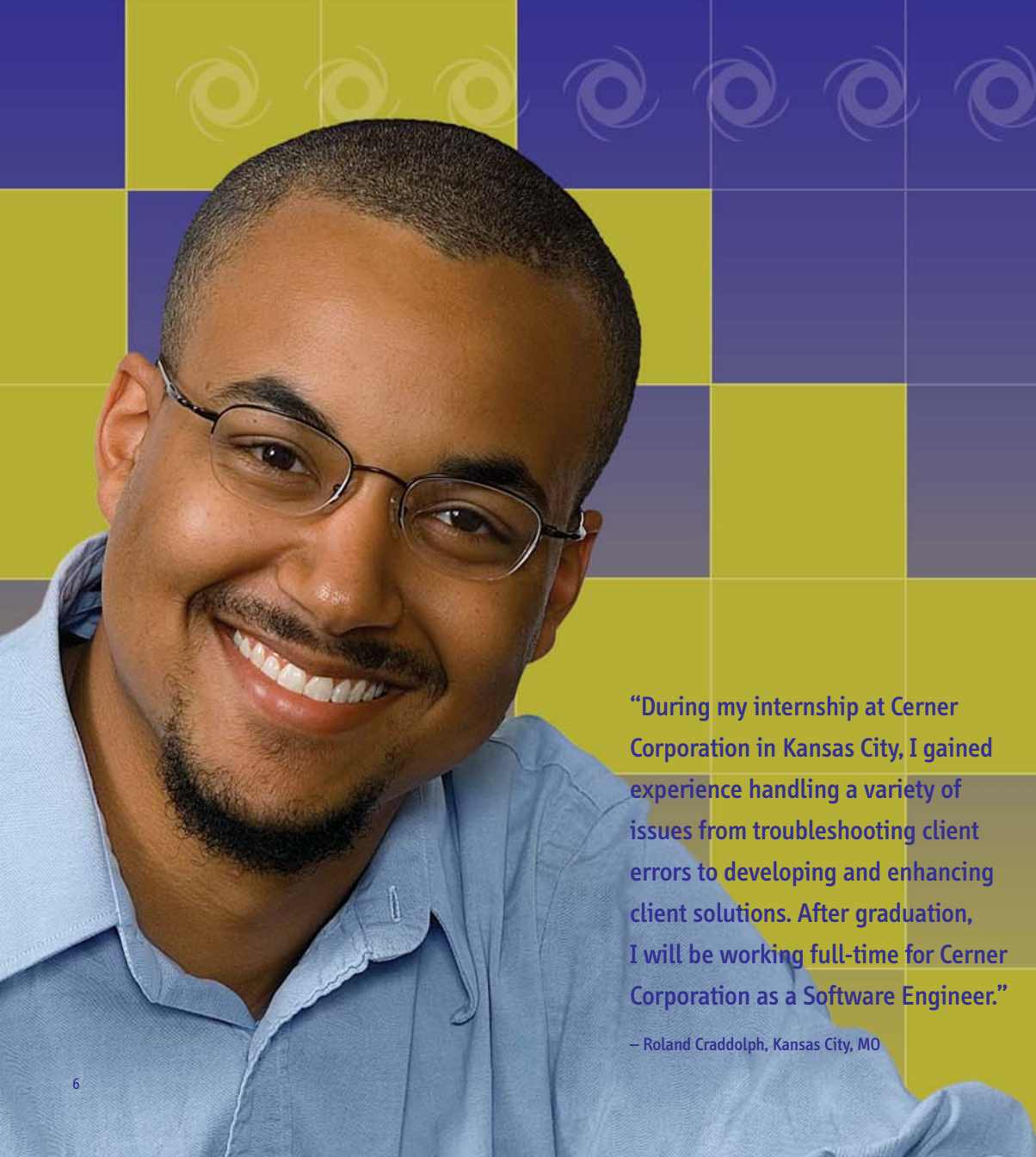
TOP 10 AREAS OF SPECIALIZATION FOR UNDERGRADUATE STUDY

1. Software Engineering
2. Real-Time Embedded Systems
3. Cybersecurity
4. Multimedia (games programming) and Graphics Technology
5. Networks and Mobile Computing
6. Parallel and Distributed Computing
7. Database and Knowledge Management Systems
8. Bioinformatics
9. Enterprise Information Systems
10. Computer Science Theory

“This computer science program creates graduates that employers compete over.”

– Andrew King, Manhattan, KS





“During my internship at Cerner Corporation in Kansas City, I gained experience handling a variety of issues from troubleshooting client errors to developing and enhancing client solutions. After graduation, I will be working full-time for Cerner Corporation as a Software Engineer.”

– Roland Craddolph, Kansas City, MO

Internships—Implementing Your Skills

Before it's time to integrate into the real world, most undergrads complete an industry-specific internship. Companies know they can count on K-State CIS students, so they are willing to give you the opportunity to demonstrate your abilities. This is also your chance to check out which types of jobs you may want to apply for once you get your degree. Plus these internships and campus jobs allow you to earn some additional income while gaining great experience.

Career Data

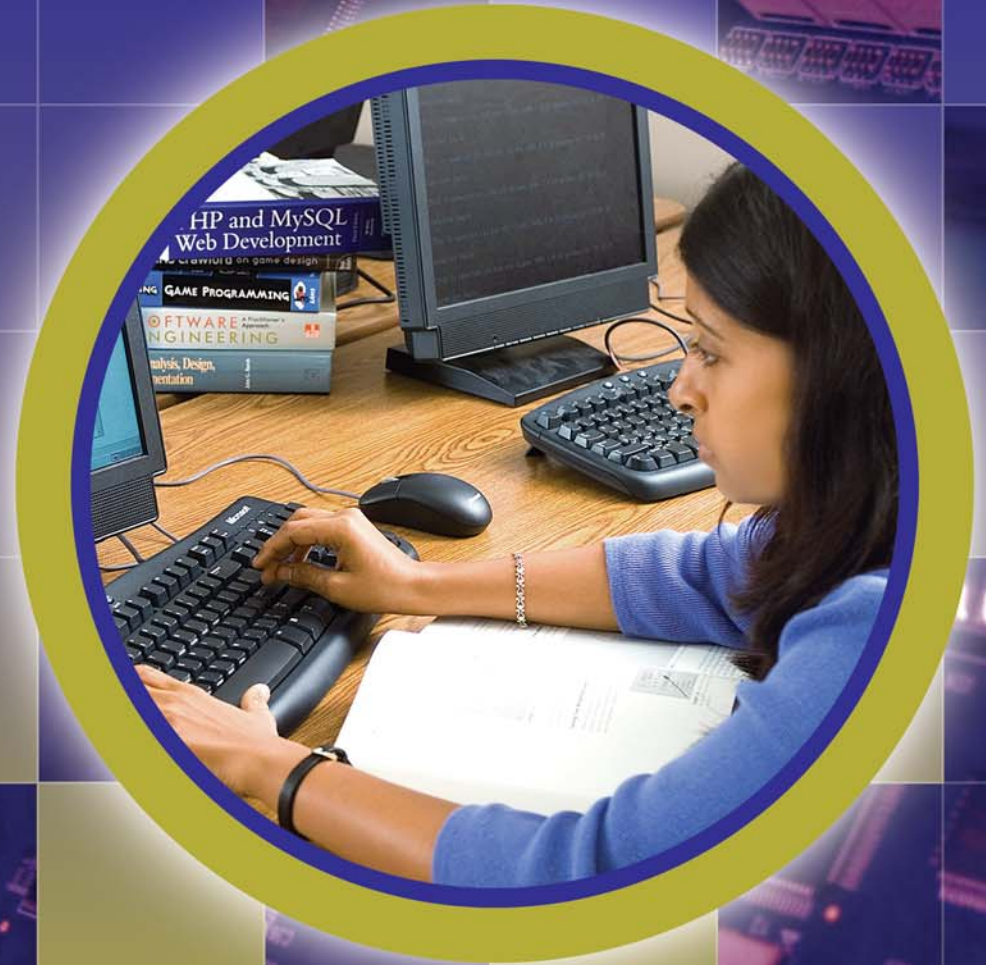
Whether you are interested in working for a large technology organization or a small local business, the integration of technology into every aspect of our world ensures that your possibilities are endless. Industrial demand for graduates with degrees from CIS is at an all-time high. The result is impressive starting salaries—exceeding \$52,000 in 2006—that continue to rise every year.

CIS Graduates Are Employed At:

- AT&T
- Cerner Corporation
- Conoco Phillips
- Department of Defense
- Eli Lilly and Company
- Ericsson
- Garmin
- General Mills
- Hewlett-Packard
- Homeland Security
- Honeywell
- IBM
- Intel Corporation
- Lockheed Martin
- Lucent Technologies
- Microsoft
- Motorola
- Sprint
- Texas Instruments
- USDA

And Start Off With Jobs As:

- Applications Developer
- Database Administrator
- IT Director
- Network Engineer
- Network Specialist
- Software Developer
- Software Engineer
- Systems Analyst
- Systems Programmer
- Technical Manager
- Technical Support
- Web Developer





Plug In to the College Experience

Not only is K-State a great place to major in CIS, it's just a great place to be. Why? Well, it's the...

Prestige – Kansas State University ranks first nationally among state universities in its number of Rhodes, Marshall, Truman, Goldwater, and Udall scholars since 1986.

Comfort – 85 percent of classes have fewer than 40 students—so you won't feel lost in the crowd—and the Robotic Combat Team and the Gamers' Guild are just two of 375 campus organizations.

Success – Our students have captured numerous national championships, from best student government to best research project—and don't forget about the award-winning robotics team.

Friendships – The friendly people and small class sizes will ensure that you get to know your fellow K-Staters.

Value – You'll get a top-notch education at a price you can afford.

VIRTUAL GOOD TIMES

The Association for Computing Machinery sponsors LAN parties throughout the semester. Students, armed with their personal computers, form teams to compete in a multiplayer networked game environment. Luckily, soda and snacks are provided because this party usually lasts all night long!

Get Connected With Your Future

Now that you know more about how a degree in Computer Science, Information Systems, or Software Engineering from Kansas State University can provide career solutions for you, come see it for yourself! We encourage you to tour the campus, have lunch in Aggieville, check out the labs in person, and meet with professors in the department. For more information, visit our Web site at www.cis.k-state.edu or call our office today at 785-532-6350 to arrange a campus visit.

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Synch Up and Apply Today!

Fulfill the system requirements by applying online or downloading a printable application at www.k-state.edu/admit. To receive an application by mail, please contact the K-State Admissions Office at 800-432-8270 or 785-532-6250.



234 Nichols Hall
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www.cis.k-state.edu



**“With CIS, you have the
opportunity to learn
about exciting technology
that is such a huge part
of our society. Your
options are wide-open!”**

– Megan Enns, Wichita, KS





Notice of Nondiscrimination

Kansas State University is committed to nondiscrimination on the basis of race, sex, national origin, disability, religion, age, sexual orientation, or other non-merit reasons, in admissions, educational programs or activities and employment (including employment of disabled veterans and veterans of the Vietnam Era), as required by applicable laws and regulations. Responsibility for coordination of compliance efforts and receipt of inquiries concerning Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, and the Americans With Disabilities Act of 1990, has been delegated to Clyde Howard, Director of Affirmative Action, Kansas State University, 214 Anderson Hall, Manhattan, KS 66506-0124, (Phone) 785-532-6220; (TTY) 785-532-4807.