Students majoring in the Computer Science Comprehensive program at the University of Nebraska at Kearney learn to use computer science with advanced mathematics to develop innovative software solutions. Students work collaboratively as they creatively design, develop, and implement software solutions, such as mobile apps, games and robotics solutions and gain real-world experience by completing hand-on projects.

The computer science curriculum is continually updated to keep pace with changing industry needs and practices so students graduate with skills that are in demand in today’s job market, are prepared for a career in software development/research, or ready for graduate school.

Studying Computer Science is great training for a variety of careers. After graduating, you will qualify for positions as a:

- Information security engineer
- Database or network administrator
- Information technology consultant
- Computer hardware architect
- Computer programmer
- Software engineer
- Application developer
- Web developer


Dr. Sherri Harms
Department profile

Students in Computer Science and Information Technology design, build and program robots to compete in an annual robotics competition. The spring 2014 semester competition was “Tilt-a-Hurl,” a three-point basketball shooting event.

“In the implementation of their autonomous robots, student teams use advanced programming techniques and design their robots to respond to various sensors, including gyro, tach, touch and light sensors,” said Sherri Harms, chair of the Department of Computer Science and Information Systems at UNK.

“Students must develop the interplay between the physical design of their robot and the mental capacity they programmed into the robot in solving a problem,” Harms added.

Some students also compete in a regional competition in Wisconsin that includes students from a seven-state area. UNK won the 2013 regional competition.

Did you know UNK offers the only Information Technology Bachelor of Science program in Nebraska?

I really enjoyed having smaller class sizes, as I was not just a number in an ocean of students. I felt the professors really cared about my education and took time to meet one-on-one for any help I needed. The best education I received at UNK was learning ‘how to learn.’ I wasn’t handed answers to my many questions. Instead, my professors encouraged me to dig deeper and look closer at the problem at hand to find the solution. This was by far the greatest asset going into my career as a CS security professional. UNK provided me with a solid foundation of knowledge as well as the skills to learn on my own and truly succeed in the real world.

Casey Glatter, computer science major, telecommunications minor, graduated in May 2010 and is employed at Sandia National Laboratories working in cybersecurity research and development of critical infrastructure systems.
When I came to UNK, I was unsure what I wanted to do. When I took my first computer science course as part of my general studies requirements I knew I had found my new major. The faculty and staff of the CSIT department taught me everything I needed to know to be a successful programmer and provided me the professional networking that helped me start my career before I even graduated.

Brian Flannery
2011 UNK graduate
Computer Science/Mathematics
Software developer at Epic in Madison, Wis.