

COLLEGE OF NATURAL AND SOCIAL SCIENCES

COMPUTER SCIENCE & INFORMATION TECHNOLOGY



INFORMATION TECHNOLOGY

Emphasis: System Administration

Students majoring in the System Administration Emphasis of the Information Technology program at the University of Nebraska at Kearney learn how to help businesses meet their IT needs within an organization through the planning, selection, creation, application, integration and management of computing technologies.

Undergraduates will explore the latest technologies and gain an understanding of installing, supporting, maintaining, and securing servers and other computer systems, and planning for and responding to service outages, security breaches and other problems. Students also receive a solid foundation to solve technology problems and learn skills to develop a technology plan that will meet clients' requests.

Studying information technology is great training for a variety of careers. After graduating, you will qualify for positions like:

- Computer system administrator
- Network architect
- Information security analyst

At a variety of locations such as:

- Health care organizations
- Corporations
- Educational units
- Technical consulting offices
- Software publishers
- Government agencies

"I was searching for a good university in the United States and looking for a college that has great programs in information systems and technology, affordable tuition costs, lots of opportunities to get scholarships and an environment to make me feel I was at home away from home. After spending five precious years at UNK, I am very proud of my decision for choosing UNK."

Sujan Bhandari, a 2007 computer information systems major graduate from Nepal, is employed as a software analyst at West Corporation.

Department profile

Tenable Network Security Inc. waived the lease cost of \$5,000 per year for the Nessus Enterprise software, which gives students in system administration and computer security courses use of the software in preparation for their careers as system administrators.

"These high-demand professionals are needed to run and secure the day-to-day computer operations for organizations in every industry," said Sherri Harms, chair of the Department of Computer Science and Information Technology.

"One of the main responsibilities of a professional system administrator is to identify computer systems' vulnerabilities," added Harms. "It is critical that the UNK IT program teach students how to address this complicated problem through hands-on experiences."



DR. SHERRI HARMS

What do Hewlett Packard, Microsoft and Apple all have in common? They all started in a garage.

Did you know that...

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

CSIT has had 100% job placement for dedicated students – with often more than one offer?

The average starting salaries for graduates has been between 55-60K?

INFORMATION TECHNOLOGY: Bachelor of Science
Emphasis: System Administration

FOUR YEAR CLASS SCHEDULE

The schedule is a guideline for progress toward a degree. Consult with your academic advisor.

<p>Semester 1 (13 credits)</p> <p>CSIS 130GS Intro to Computer Science Math 102 or 103 College Alg or Trig English 101 Expository Writing Portal 188 of your choice</p>	<p>Semester 2 (15 or 17 credits)</p> <p>CSIS 150 00 Programming English 102 Expository Writing Natural Science elective Math 115 or 123 Calculus I or Applied Calculus I or Applied Calculus Minor course requirement</p>
<p>Semester 3 (16 credits)</p> <p>CSIS 223 Comp. Org Speech 100 Fundamentals of Speech Science lab course ITEC 150 GS Telecom Lit Minor course requirement</p>	<p>Semester 4 (18 credits)</p> <p>CSIS 350 Concepts MGT 233 or STAT 241 Humanities elective Social Science elective Democracy elective Minor course elective</p>
<p>Semester 5 (15 credits)</p> <p>CSIS 448 System Administration ITEC 335 Telecom Basics CSIS 425 Database Systems CSIS 380 Sys Anal & Design Minor course elective</p>	<p>Semester 6 (18 credits)</p> <p>CSIS 458 Computer Security Information technology elective Humanities elective Social Science elective Minor course elective Minor course elective</p>
<p>Semester 7 (15 credits)</p> <p>Information technology elective CSIS 497 CIS Seminar Capstone 388 of choice Aesthetics elective Minor course elective</p>	<p>Semester 8 (15 credits)</p> <p>CSIS 428 Data Comm General Studies elective General Studies elective General Studies elective Minor course elective</p>

Association for Computing Machinery

(An organization for CSIT majors)

Activities at the local level

- Guest speakers invited to campus
- Sponsor of Disinfection Day
- Tours of business IT departments and data centers

...and at the national level

- Yearly conference hosted
- Journal, magazine and newsletter publications provided to enrich a student's education

Personal traits for CSIT success:

- Solves problems
- Thinks at multiple levels
- Adapts to new technology
- Works professionally
- Collaborates
- Perseveres
- Communicates clearly (oral/written)

Scholarships available:

Freshman scholarship

- The Buckle scholarship

Continuing Student scholarships

- Northwestern scholarship
- Buckle Continuing scholarship
- Association for Computing Machinery

Reasons to choose CSIT at UNK:

- 100% job placement for dedicated students
- Extensive partnerships with businesses
- Low instructor/student ratio
- Hands-on practical experience
- Mobile application, gaming, and robotics development
- One-on-one attention from award winning professors
- Professional certification and online education opportunities
- High rate of acceptance into grad schools

For more information, contact:

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“How small and personal the programs are is what makes UNK's Computer Science and Information Technology programs stand out from other programs around the area and has become my favorite part of the school. Students get to work side-by-side with experts in their field enabling students to maximize the amount they get to learn. A real friendship is created between students and teachers that fosters a learning environment not possible in bigger programs.”

Devin McIntyre of Odell, Nebraska

(The senior is expected to graduate in May 2015 with the major system administration emphasis of the Information Technology program.)