A TRANSFORMATIONAL FORCE:
LEADING THE IT REVOLUTION IN THE HEART OF THE MIDWEST
ACADEMIC EXCELLENCE

Top-tier education that challenges students with individualized support.
We’re bigger, and more diverse, than ever before.

68% enrollment increase*

93% increase of female students*

28 average ACT of incoming 2017 freshman class

$60K median salary earned upon graduation

40+ companies offer IT internships for IS&T students

#2 “Best Cybersecurity Programs” Military Times

First year in the college’s history to enroll over 1,000 undergraduate students.

First year in the college’s history to enroll over 1,000 overall students.

IS&T now boasts 13 undergraduate and graduate degrees in core IT areas and interdisciplinary areas.

Starting with only 4 degrees in 1997.

* 2013 - 2017
IS&T has issued 36% more bachelor degrees over the past five years.

In 2011 ISQA was awarded the University Departmental Teaching Award.

IS&T has had a 53% increase in student credit hours in the past five years.

IS&T has issued 135% more graduate degrees over the past five years.

IS&T student to faculty ratio is 25:1.

IS&T has a retention rate of 84% for freshman to sophomore students.
FIVE UNDERGRADUATE DEGREES

Management Information Systems
Computer Science
Bioinformatics
Cybersecurity
IT Innovation

UNO took the time to address my unique situation and the teachers [were] excellent, taking the time to explain things and to meet outside of class. They really care.

Rachel Ostrander
IT Innovation alumni

Cybersecurity is 1 of only 16 programs designated by the NSA Center of Excellence for Cyber Operations.

I want to create something that gives people jobs, and I think that the computer science field gives you the opportunity to create in ways that people haven’t been able to create in a long time.

Jonathan Allou
Computer Science major
SEVEN GRADUATE DEGREES

Management Information Systems
Computer Science
Biomedical Informatics
Cybersecurity
IT Innovation

TWO PHD DEGREES

Biomedical Informatics
Information Technology

ESTABLISHED IN 2016

Executive Master of Science in IT (EMIT)
EMIT is the only program of its kind in the country. It is the perfect combination of community engagement and academics for developing IT and corporate leaders of the future.

Master of Computer Science Education
The only program in Midwest that offers in-service teachers an opportunity to obtain a graduate degree to teach computer science. Research Experience for Teachers to a supplemental endorsement for current education undergrads, are available.

“I am extremely proud of the fact that I chose to pursue MS in MIS degree at [IS&T,] with other priorities like family and a full-time job. The course has helped me get ahead in my career and gave me the confidence to go for my dream job.”

Deep Khandelwal, MS in MIS alumni
Manager Device Engineering at Pandora Music
APPLIED RESEARCH

Award-winning faculty, interdisciplinary research.
IS&T has received 385 grants and contracts totaling over $19 million; 67% are awards from federal agencies.

75% of tenure-track or tenured faculty are leading and/or participating in funded research.

**TOTAL RESEARCH FUNDING DOLLARS**

(In millions)

- Big Data Analytics: $3.5
- Biomedical Informatics: $3.7
- Cybersecurity / Homeland Security: $5.3
- iSTEM: $5.1
- Next Generation Artificial Intelligence: $1.7

**35% National Institutes of Health**

**12.5% Department of Defense**

**12% National Science Foundation**

7.5% private foundations/corporations

377 grants = $19 million
Community Engagement

Fingers-to-the-keyboard engagement for even our youngest IT enthusiast.
**WOMEN IN IT INITIATIVES**

**Code Crush**

Designed for 8th and 9th grade girls and their teacher mentors. Code Crush is supported from private donations and grants. The program has directly impacted 200 girls, 45% of whom are from rural communities.

- **200** 8th and 9th grade girls
- **45%** from rural communities

**National Center for Women & Information Technology**

**Pacesetters** is a group of 45 committed organizations dedicated to the meaningful participation of technical women.

**NCWIT Aspirations Award** is a rotating celebration hosted by UNO in collaboration with UNL and UNK, awarding high school girls in the Nebraska and SW Iowa Region.

IS&T also has support for scholarships, conferences, and hosts an in-house Women in IT Mentoring Program.
K-12 ACTIVITIES AND COMPETITIONS

Computer Science Education Week is full of activities geared toward technology, including the High School Quiz Bowl and High School Programming Competition where over 100 students competed this past year.

IT Innovation Cup is a seven-month long competition for high schoolers. Over 200 students have teamed up to compete and develop the most innovative solution to a pressing problem.

NULLify Hackathon is a student-group led day-long event for high school teams to compete in the exciting world of cybersecurity, last December a record 152 competed.

iSTEM After School inspires young students to explore IT through hands-on classes organized with their After-School program. The program targets diverse schools, and 70% of our participants qualify for free or reduced price lunch.

Techademy is a summer camp program where over 700 middle and high school students have enrolled in over 100 technology based classes.

High School IT Internship Program is a summer internship where students work 20 hours a week and learn directly in our groundbreaking research labs. Over 100 students have applied for the 12-15 open positions.
GLOBAL ENGAGEMENT

Strengthening international partnerships and elevating IT across the globe.
Since 2005, IS&T has hosted over 250 international students from our partners for **Road 2 Omaha**, a 7-10 day immersion experience held each summer that includes academic workshops, cultural activities, and corporate visits.

**IS&T has been part of 6 international conferences:**
- Brain Informatics and Web Intelligence
- Big XII+ MIS Research Symposium
- ITQM 2017
- Bridging Big Data Workshops of Ager, Norway
- Americas Conference on Information Systems 2005

We are developing partnerships with France’s Nantes, Spain’s ESCI-UPF, South Korea’s Dong-A, and Mopko and China’s UIBE.

We have continuing partnerships with Norway’s University of Agder, Austria’s MCI, India’s IIT Kharagpur, Jaypee University System, Bennett University and SPSU, Germany’s TU Mainz, TU Braunschweig, and China’s UESTC and NIT.