

# INFORMATION TECHNOLOGY EDUCATION

## Supplemental endorsement to teach grades PK-12

You've always been knowledgeable about computers, and you know that the world of technology is a growing and rapidly changing field. The future rests on technology, so it's important that students understand the basics of computers and how to use them for different functions and purposes. With an endorsement to teach information technology, you'll be ready to teach computer science, computer programming, keyboarding, and even web design and networking to students in elementary school through high school.

## fast facts

### Credit hours: 15

*The information technology education supplemental endorsement is not a standalone program. You must also select a field endorsement or two subject endorsements to receive your B.A. or B.S.*

**Departments:** Computer Technology and Information Systems, Educational Foundations and Leadership

**Schools:** Business and Technology, Education and Behavioral Sciences

**Popular pairings:** Math Education, Middle Level Education

## focus on results

### Skills Learned

- Computer troubleshooting
- Introductory computer programming
- Server security and management
- Web and multimedia design
- Instruction and teaching methods
- Emerging technology
- Leadership and organization
- Communication
- Critical thinking and problem-solving
- Planning and coordinating
- Professional code of conduct

### Possible Careers

- Web design instructor
- Computer science teacher
- Information technology teacher
- Computer programming teacher
- Network and technology advisor
- Vocational instructor
- Corporate trainer
- Computer repair technician instructor
- Web development instructor
- Career development specialist
- Teaching assistant

### Types of Employers

- Middle schools
- High schools
- Business schools
- Vocational schools
- Colleges and universities
- Training centers
- Businesses and corporations
- Non-profit organizations
- Government agencies
- IT companies
- Career development centers

## outside the classroom



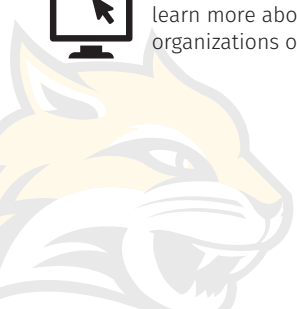
Visit [www.wsc.edu/clubs](http://www.wsc.edu/clubs) to learn more about clubs and organizations on campus.

### Activities / Opportunities

- Programming and robotics competitions
- Workshops and presentations
- Peer tutoring and mentoring
- Service-Learning
- Northeast Nebraska Teacher Academy (NENTA)

### Clubs / Organizations

- Association for Computing Machinery
- Nebraska State Education Association (NSEA) Aspiring Educators
- Student Council for Exceptional Children (SCEC)
- SkillsUSA
- Upsilon Pi Epsilon (International Computing Honorary)



The following courses are required for the program of study described on this sheet. Every effort is made to ensure this information is current, but please be aware that some content may have changed. To develop a plan for registering and taking these courses, please consult the current academic catalog and your advisor.

## Program courses

CIS 454 Technology Platforms: Hardware and Operating Systems.....	3
CIS 457 Networking and Technology Management.....	3
CSC 441 Cybersecurity, Digital Citizenship, and Emerging Technology.....	3
CSC 443 Computational Thinking and Programming Foundations.....	3
CSC 448 Web and Multimedia Content Design and Administration .....	3

## computer information systems faculty



Visit [www.wsc.edu/computer-technology-information-systems-department](http://www.wsc.edu/computer-technology-information-systems-department) to learn more about the Department of Computer Technology and Information Systems.

**Gerard Ras, Ph.D.**  
*Dean*  
402-375-7246  
Gardner Hall 105  
[geras1@wsc.edu](mailto:geras1@wsc.edu)

**John Vinchattle, M.S.**  
*Associate Dean*  
402-375-7347  
Gardner Hall 106B  
[jovinch1@wsc.edu](mailto:jovinch1@wsc.edu)

**Molly Curnyn, Ed.D.**  
**Timothy Garvin, Ph.D.**  
**Debbie Johnson, MSOM**  
**Lori Nicholson, Ph.D.**  
**Anjalee Seneviratne, MBA**  
**Jeremy Wynia, MSOM**