

COMPUTER SCIENCE EDUCATION

Supplemental endorsement to teach grades 7-12

The world of technology is a growing and rapidly changing field. It is essential students understand the importance of cybersecurity and how to utilize new, emerging technologies safely and ethically. With an endorsement to teach computer science, you'll be ready to lead classes on the digital world, computer programming, and other computer science topics to students in junior high and high school.

fast facts

Credit hours: 6

The computer science 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

- Cybersecurity awareness
- Programming
- Emerging technology
- Computational modeling
- Instruction and teaching methods
- Leadership and organization
- Communication
- Critical thinking and problem-solving
- Planning and coordinating
- Responsible online behavior and ethical technology use

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



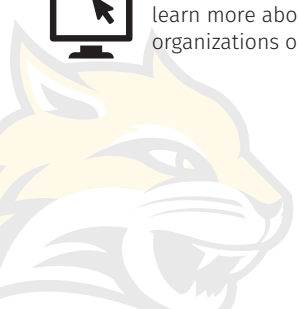
Visit www.wsc.edu/clubs to learn more about clubs and organizations on campus.

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

CSC 441 Cybersecurity, Digital Citizenship, and Emerging Technology.....	3
CSC 443 Computational Thinking and Programming Foundations.....	3

computer science
faculty



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

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