

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.

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.

fast facts

Hours:

15 hours for endorsement

At least 120 hours are required for graduation from Wayne State College. In addition to this supplemental endorsement, you must add a field endorsement or two subject endorsements to meet degree and graduation requirements.

Degrees offered: B.A. or B.S.

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

Schools: Business and Technology, Education and Behavioral Sciences

Clinical practice: One semester of student teaching required

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



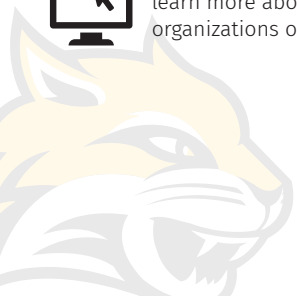
Visit www.wsc.edu/clubs to learn more about clubs and organizations on campus.

Activities / Opportunities

- Programming and robotics competitions
- Guest speaker events
- IT facility tours
- Workshops and presentations
- Peer tutoring and mentoring
- Service-Learning
- Northeast Nebraska Teacher Academy (NENTA)

Clubs / Organizations

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



Sample program of study

2022-23 Academic Year

Every effort is made to ensure this information is current, but please be aware that some content may have changed. There is no substitute for developing a careful course registration plan in consultation with your advisor. The class sequence listed is suggested only. The final decision rests with the student and academic advisor.

Supplemental endorsement only. This endorsement cannot exist by itself on a certificate but is added to a certificate only in the presence of other endorsements which may have been acquired earlier or concurrently. Persons with this endorsement may teach information technology courses in grades K-12.

This endorsement requires a minimum of 15 semester hours in information technology courses.

Junior, Senior, or Graduate

CSC 442/542 Programming, Design, and Documentation.....	3
CSC 448/548 Web and Multimedia Content Design and Administration	3
CIS 454/554 Technology Platforms: Hardware and Operating Systems.....	3
CIS 457/557 Networking and Technology Management.....	3
CIS 475/575 Topics in CIS: Emerging Information Technologies.....	3

For undergraduate (400 level), the classes for the information technology endorsement are taken entirely in the junior and senior year and can be taken in any order. The final decision rests with the student and academic advisor.

Two courses will be offered each summer and alternate with two courses the following summer. The remaining course is offered online during the regular semester. Generally, CIS 457/557 and CSC 448/548 courses are offered in the July summer session of even-numbered years as completely online courses. The CIS 454/554 and CSC 442/542 courses are offered in odd-numbered years in a similar manner. The CIS 475/575 course is offered as an entirely online course in the fall or spring regular semester depending upon projected demand.

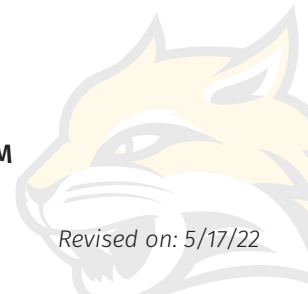
computer information systems faculty



Visit www.wsc.edu/ctis to learn more about the Department of Computer Technology and Information Systems.

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