



MASTER OF SCIENCE COMPUTER SCIENCE EDUCATION (CSED)

It's no secret: our nation depends on computer science experts to help drive our innovation forward. From apps to health care, we need future generations to be computationally minded and technologically savvy.

COMPUTER SCIENCE EDUCATION AT IS&T

Our Computer Science Education degree is designed to help you learn the pedagogy needed to educate the next generation of computer scientists. One of the first of its kind, IS&T and the College of Education are working together in a truly multidisciplinary focus. This unique partnership will give you the skills and background needed to gain fundamental knowledge about computer science models, concepts and principals – in other words you'll be able to make a real impact learning best practices for computer science instruction. If you're already a licensed Nebraska teacher, you'll also be able to earn your IT Supplemental Endorsement along the way!

APPLICATION AND ADMISSIONS INFORMATION

To apply, create an account in the UNO Admissions system, upload your required documents, and complete the application form. In addition to the required form fields, you will need to following materials to complete your application:

- Current resume or CV
- Personal statement of purpose
- A copy of your current teaching certificate (if you are an active teacher in any state)
- Personal/Professional Fitness form
- Academic transcripts for all prior study
- International students, refer to website for requirements.



FINANCIAL AID

Tuition support for OPS and rural district teachers is available.

LEARN MORE

VISIT COMPUTER
SCIENCE EDUCATION
cist.unomaha.edu/csed

BENEFITS

- Advance your career
- Gain credentials
- Hone professional skills
- Earn a higher salary
- Increase leadership abilities

APPLICATION DEADLINES

Summer: April 1st
Fall: July 1st
Spring: December 1st

GRADUATE CERTIFICATE

We also offer an 18 credit hour graduate certificate. A graduate certificate is a great way to get started with graduate courses in teaching computer science. The best part is that if you change your mind down the road, all of the credits you earn can be applied to the MS in Computer Science Education!

CURRICULUM

The Master of Science in Computer Science Education requires a completion of a minimum of 30 credit hours which include the following:

CORE COURSEWORK (15 CREDIT HOURS)

CSTE 8040 – Object Oriented Programming for Teachers
CSCI/CYBR 8366 – Foundations of Information Assurance
TED 8006 – Special Methods in the Content Area (IT/CS Section)

Choose one:

- CSTE 8020 – Exploring Computer Science for Teachers
- CSTE 8030 – Computer Science Principles for Teachers

Choose one:

- CSCI 8256 – Human Computer Interaction
- CSCI 8836 – Software Engineering

Those holding an active Nebraska teaching certificate are eligible for the IT Supplemental Endorsement upon completing all Core coursework above.

EXTENSION COURSEWORK (6 CREDIT HOURS)

CSCI 8010 – Foundations of Computer Science

Choose one:

- TED 8050 – Data Driven Decision Making for Teachers
- TED 8860 – Innovation in Engineering Education

THESIS/PROJECT (3-6 CREDIT HOURS)

Students must complete either a graduate capstone course, a thesis or a thesis-equivalent project.

Choose one:

- CSTE 8910 – Capstone for Master’s Students (3 credits*)
- CSTE 8890 or TED 8890 – Thesis (6 credits, cannot be completed in a single term)
- CSTE 8960 – Research Project (6 credits, cannot be completed in a single term)

** Those choosing the capstone option must complete an additional elective course in order to meet the 30 credit hour minimum for the degree..*

ELECTIVES (3-6 CREDIT HOURS)

Students will choose from a list of approved electives to earn the required 30 credit hours. This list includes selected CSTE, CSCI, TED, and STEM courses. Other courses may be allowed in certain circumstances if approved by the CSEd Graduate Program Committee.



Courses are offered in person and via distance education.



Have questions? Talk with a graduate advisor.

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 unomaha.edu/graduate  facebook.com/UNOGraduateStudies

