

Certificate in Software Engineering: Department of Computer Science, College of Information Science & Technology

Vision Statement

Through our degree you'll develop better planning, management and technical abilities necessary for leading a thriving organization in today's complex, digital world. At the Peter Kiewit Institute, you may not only get the degree, but you can graduate with industry experience, a pocket full of business contacts and life-long friends.

Program Contact Information:

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Program Website

<http://www.cs.unomaha.edu/graduate/cert=swengg.html>

Application Deadlines:

- Fall: July 1
- Spring: November 1
- Summer: March 1

Application Requirements:

- Online Application
- One official copy of transcripts for ALL institutions previously attended
- Application Fee
- If English is not the language of nurture, official test scores from the TOEFL, IELTS, or PTE exam are required
 - 500 on the written TOEFL
 - 173 on the computer-based TOEFL
 - 61 on the internet-based TOEFL
 - 5.5 on the IELTS
 - 44 on the PTE
- Minimum GPA of at least 3.0 in undergraduate courses related to proposed major

Program-Specific Requirements:

- Resume
 - Submit a detailed resume highlighting your work experience and background (if applicable)
- Prerequisite courses (3 hours):

- CSCI 4830 Introduction to Software Engineering (3) (or equivalent)

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[Cert-SWEN Degree Requirements]

Cert-SWEN Required Courses (6 hours):

- CSCI 8700 Software Specification and Design (3)
- CSCI 8710 Modern Software Development Methodologies (3)

Cert-SWEN Elective Courses (6 hours—select two):

- CSCI 8526 Human-Computer Interaction (3)
- CSCI 8266 User Interface Design and Development (3)
- CSCI 8760 Formal Methods and High Assurance Software Engineering (3)
- CSCI 8790 Advanced Topics in Software Engineering (3)

Cert-SWEN Total: 12 hours

Cert-SWEN-Other Program-Related Information:

Graduate Assistantships

- Complete [this form](#) to apply for a graduate assistantship.

Advantage Scholarship for Non-Nebraska Residents ONLY:

- Tuition scholarships for an amount up to the difference between resident and non-resident tuition; click [here](#) to apply
- Multiple awards available
- Application submission deadlines:
 - Fall: April 15
 - Spring: November 15
- Awarded to students who are not residents of Nebraska
- These awards are renewable
 - Must maintain a cumulative GPA of 3.00 or better
- **Submitting an application does not guarantee an award.**
- If an application is submitted after a deadline, it will be added to a wait-list. If funds become available, the department will notify the applicant.