Why the graduate Certificate in Software Engineering?
This graduate certificate is designed for students who want a focused study of software engineering, but who may not currently be interested in completing a full master's degree. The program provides intensive studies in software development methodologies, software design, and quality assurance and management.

Why the Certificate in Software Engineering at BGSU?
BGSU's Computer Science Department is comprised of expert, teaching-focused faculty who are accessible and approachable, plus all courses in the curriculum are taught by qualified professors rather than graduate students.

Courses may be completed either online or in person. All courses may be counted towards the MS in CS degree, and students who complete the certificate with all Bs or better are automatically admitted to the MS.

Learning outcomes
Graduates of the Certificate in Software Engineering program are prepared to:

- Apply software engineering methods and processes to manage and complete real-world projects.
- Demonstrate the ability to effectively communicate and work in a software engineering team.
- Evaluate trade-offs regarding state-of-the-art software engineering techniques.
- Evaluate the Architecture and Design of a software-based system.
- Perform testing and quality assurance for software of various size and complexity.

Program strength and uniqueness

- Online, eCampus format which can be completed from anywhere world-wide.
- All courses count towards MS in CS as long as a B or better is earned.
- Completion of the Certificate with all Bs or better results in automatic admission to the MS in CS program.
- BGSU has a large number of Software Engineering faculty with both professional and research experience.

Professional opportunities
Completion of the Certificate in Software Engineering may lead to full-time employment as a Professional Software Engineer or admission to graduate studies in Computer Science or Software Engineering.

“For more information
Contact Graduate Coordinator, Dr. Robert Green,
College of Arts and Sciences, at greenr@bgsu.edu
or csgradstudies@bgsu.edu.

For questions about eCampus, contact an enrollment specialist:
eCampus@bgsu.edu | 419-372-3226 | www.bgsu.edu/eCampus

While the projected average job growth for the entire country is 11 percent over the next decade, in the field of software engineering it is predicted to be 22 percent. Only doctors beat out software engineers on the list in terms of both salary and job security”

— SmartAssett, September 2018
Admission requirements

The prerequisites for this certificate include a professional or academic background in computer science, software engineering, or a closely related field. Completion of the certificate with a 3.0 or better guarantees admission into the MS in CS program.

To gain regular status admission, applicants must have a minimum 2.75/4.0 undergraduate grade point average (GPA) and an earned baccalaureate degree from a regionally accredited institution. Applicants are required to submit scanned copies of official or unofficial transcripts from all institutions attended. Upon admission, final official or notarized copies of transcripts from all institutions where degrees were earned and diplomas from international institutions must be submitted.

All applicants must submit a professional resume or curriculum vitae demonstrating a professional or academic background in computer science, software engineering, or a closely related field, plus one (1) letter of recommendation.

International applicants are also required to submit scores from the International English Language Testing System (IELTS), the Pearson Test of English (PTE), or the Test of English as a Foreign Language (TOEFL). Successful completion of ELS 112 will also be accepted for this requirement.

Cost of tuition

Please refer to www.bgsu.edu/offices/bursar for current information on tuition and fees.

How to apply

Visit the BGSU Graduate College website at www.bgsu.edu/graduate/admissions.

The application deadline to start the program is one month prior to the start of each term.

Curriculum

All candidates must complete four courses:

- CS 5540: Software Engineering Project (3)
- CS 5550: Software Architecture and Design (3)
- CS 5560: Software Testing & Quality Assurance (3)
- CS 6640: Software Engineering (3)