

# Graduate Programs in Software

## More than 20 years of excellence in education

Graduate Programs in Software (GPS) at the University of St. Thomas has graduated over 2200 software professionals since its inception in 1985. Recently integrated with the Opus College of Business, GPS offers Master's degrees and certificate programs specially designed for working professionals seeking to advance their present career or individuals planning a career change. In addition, GPS serves software professionals each year through seminars, special lectures, and "mini" programs.

The curriculum has been designed by committees of industry representatives and GPS alumni working in partnership with full-time faculty. As a result, GPS programs are responsive to the Software/Information Technology/Information Systems community, and are therefore valued as good education resources.

Because GPS courses balance theoretical concepts and practical applications, they offer value in your current job as well as a strong foundation for your future.

Classes are offered evenings and weekends for the convenience of working adults.

## Master of Science degree in Software Engineering (MS in SE)

Created for those in computer science, computational science, systems software development, knowledge-based systems, database development, distributed database development, telecommunications, networking, multi-media software development, and neural networks.

## Master of Science degree in Software Management (MS in SM)

Provides software professionals with the most relevant, practical and applicable knowledge available in software engineering and software management and prepares them for leadership roles in software business management.

## Master of Software Systems (MSS)

Benefits professionals who use software, interface with software developers, or manage the software development process in almost any field.

## Graduate Certificates

- Computer Security
- Information Systems
- Software Design and Development
- Advanced Study

## Optional Concentrations

Students pursuing a Master's degree or Certificate of Advanced Study may choose a concentration or related series of courses to fulfill their degree requirement.

- Bioinformatics
- Computer Communications
- Computer Security
- Data Management
- Embedded Systems
- Object-Oriented

## Professional Development

In addition to the graduate programs, GPS also offers high-quality professional development education in software. These seminars are designed to give the working professional additional training on a variety of software design and development topics and software programs. GPS can work with personnel from

your organization to customize any of the professional development or degree programs to meet your company's needs. Customized programs can be offered on the UST campus or brought to a company's site.

## Student Profile

Over 400 students are currently active, most of whom are software professionals representing a broad range of industries. Our student body is culturally diverse and presents a special advantage to students preparing to work in a global economy and environment.

## Faculty

- Full-time faculty, all have Ph.D. degrees and industrial experience.
- Adjunct faculty selected for professional experience and educational credentials.

## Application Requirements

- GPS application form
- Official transcripts (bachelor's degree required)
- Personal essay
- Resume with work history

## Admissions Deadlines

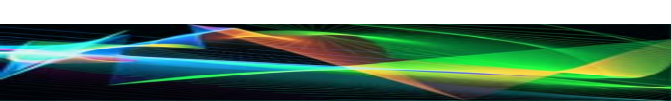
- Apply any time.
- Terms begin in fall, spring, and summer.

## For More Information:

- Visit: [www.stthomas.edu/gradsoftware](http://www.stthomas.edu/gradsoftware)
- Call: (651) 962-5500
- Email: [gradsoftware@stthomas.edu](mailto:gradsoftware@stthomas.edu)



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**"The graduate program is overwhelmingly the best opportunity to enhance software knowledge to understand the entire software development life cycle.** The courses are extremely practical and useful in my everyday work environment as a Project Leader/ Software Developer. The Masters program is the best way to expand your knowledge base, experience, and be able to work at the same time." – *James Montague, MS degree in software engineering*

**"(The) GPS program provided me the best opportunity to advance my knowledge in the rapidly changing software industry...**I have benefited enormously from the updated skills and methodology I learned from faculties with abundant industry experience. I hope more people will enroll in the variety of programs at GPS and gain as much as I did, and position themselves well for the bright IT future." – *Daqing Su, MS degree in software engineering*

**"While I was searching for a good masters program, I looked at curriculums of over 40 Computer Science departments in the US. But none had a program like the one at St. Thomas.**

St. Thomas has good ties with the business community, and hence the courses offered here are very 'in-touch' with the needs of the software industry. The curriculum has an excellent balance between general concepts of software and specializations in different areas of software." – *Neelima Kalidindi, Master of Software Systems*

**"If I were to do it all over again, without a doubt I would choose St Thomas University.** The GPS MS (in software engineering) degree provided me with a conceptual framework for Software Engineering. The theoretical and practical experience taught me about agile methods of software development and the various disciplines involved. I'm currently working as a Software Developer and obtaining the MS degree has been an outstanding investment towards my career. The professor's industry understanding and academic knowledge provided a real time up to date learning experience for me." – *Eric Kibisu, MS degree in software engineering*

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University of St. Thomas

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## Graduate Programs in Software

**Master's Degrees:**  
MS degree in Software Engineering  
MS degree in Software Management  
Master of Software Systems

**Certificates:**  
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Information Systems  
Software Design & Development  
Advanced Study



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