School of Engineering

UNIVERSITY OF St.Thomas.

GRADUATE PROGRAMS

Software

software programs

FOR TODAY'S TECH

MASTER'S DEGREES:

- **Artificial Intelligence:** Learn foundational knowledge and tools to become a successful AI practitioner. Gain expertise in machine learning, neural networks, and ethical AI.

- **Data Science:** One of the most comprehensive, and highly ranked, programs of its kind in the country. Combine in-depth understanding with hands-on skills, technologies, techniques, and analysis tools for data science.

- **Information Technology:** Be proficient in emerging technologies with relevant, practical and applicable knowledge. Become a leader in Information Technology (IT) and Information Systems (IS).

- **Software Engineering:** Heighten your skills with tech-focused, cutting-edge knowledge and experience to design, develop, implement and improve software systems.

CERTIFICATES:

- **Applied Artificial Intelligence:** Learn advanced specialized territories such as Generative AI, ML Ops, and AI Ethics.

- **Artificial Intelligence Foundations:** Learn how to handle the growing demands in analyzing digital information for predicting, visualizing and implementing cutting-edge AI techniques such as artificial neural networks and deep learning.

Our software programs offer a unique opportunity for students to develop key skills to excel in the fast-changing software and data science field. No matter your previous experience, we can help you build the technical skills you need to be a software expert.

- **Big Data:** Gain the analytic skills to help organizations capture, store, search, share, visualize and analyze massive, unstructured and complicated data sets.

- **Business Analysis:** Build foundational knowledge of both the technical and managerial aspects of software development.

- **Cybersecurity:** Learn how to stop attacks on the front line or manage technical risk at an enterprise level.

- **Data Analytics:** Gain hands-on experience with a variety of analytical tools and learn how to manage and manipulate data, create data visualizations, and make strategic data-driven recommendations to influence business outcomes.

- **Digital Transformation:** Tackle real-world implementation challenges faced by IT organizations and gain proficiency in IT delivery, operations and software engineering concepts.

- **Full Stack Development:** Obtain the skills to develop full-stack applications (both front-end development and the back-end application development of a system) and the necessary skills to construct online applications.

- **Healthcare Analytics:** Improve the quality and safety of health care with a program that prepares you for the growing demands of analyzing digital health care information.

Post-Masters Advanced Study: Enhance your expertise through an individually designed course of study.

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ready for the next step?

It's OK if you don't have a background in software or IT. Our students come from a wide variety of professions, and currently about 1/3 of our students are career changers. We value diverse opinions and experiences in our programs.

APPLY NOW

BY VISITING:

https://link.stthomas.edu/GSOEapplication
or scan the below QR code:

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admission requirements

1. Official transcripts from each college/ university at which you have earned credits post-high school.

   • Academic transcripts from institutions located outside the United States must be evaluated by a transcript evaluation service that is a current member of the National Association of Credential Evaluation Services (NACES). We recommend WES or ECE.

2. Resume

3. English Proficiency Exam

4. Statement of Purpose Essay
   • GRE: Not required
   • Application Fee: None

Questions about our programs or application?

Contact our Graduate Recruiter, Melissa Howland, at 651-962-5500 or gradengineering@stthomas.edu.

PRIORITY APPLICATIONS DEADLINES*:

	U.S. CITIZENS	INTERNATIONAL ON U.S. SOIL	INTERNATIONAL ABROAD
FALL	AUGUST 1	JULY 1	MAY 1
SPRING	JANUARY 6	DECEMBER 1	OCTOBER 1
SUMMER	MAY 1	APRIL 1	FEBRUARY 1

*Applicants are accepted on a rolling basis until the start of each term. Admission decisions are sent via email within 3-5 weeks from the date of a completed application.

classes and programs

BUILT FOR YOU

- Flexible evening classes allow you to achieve your educational goals.

  o Classes are offered in-person and online weeknights from 5:30 – 8:30 p.m., Monday – Friday.

- All programs in the Software Engineering and Data Science department at the University of St. Thomas are offered in **CoFlex mode**, *i.e. the student has the flexibility to attend classes either in-person or online.*

  o **Inclusions and restrictions:** CoFlex course delivery mode is available to U.S. citizens, permanent residents, and students on work visas. International students or students receiving certain scholarship benefits are ineligible to take the online option and must attend classes in-person.

- Courses are scheduled across three terms (Fall, Spring and Summer)

- On average it takes two to 2.5 years to complete our master's degrees and one year to complete a certificate program.

All master's degree programs are STEM-designated and approved.

paying for

YOUR DEGREE

Review St. Thomas cost of attendance at:
https://www.stthomas.edu/costs/graduate/

Financial Aid is available to permanent U.S. residents and U.S. citizens who are enrolled in a master-level degree program.

Company Tuition Assistance: We encourage all prospective students to check with the human resources department at their current employer to inquire about regulations.
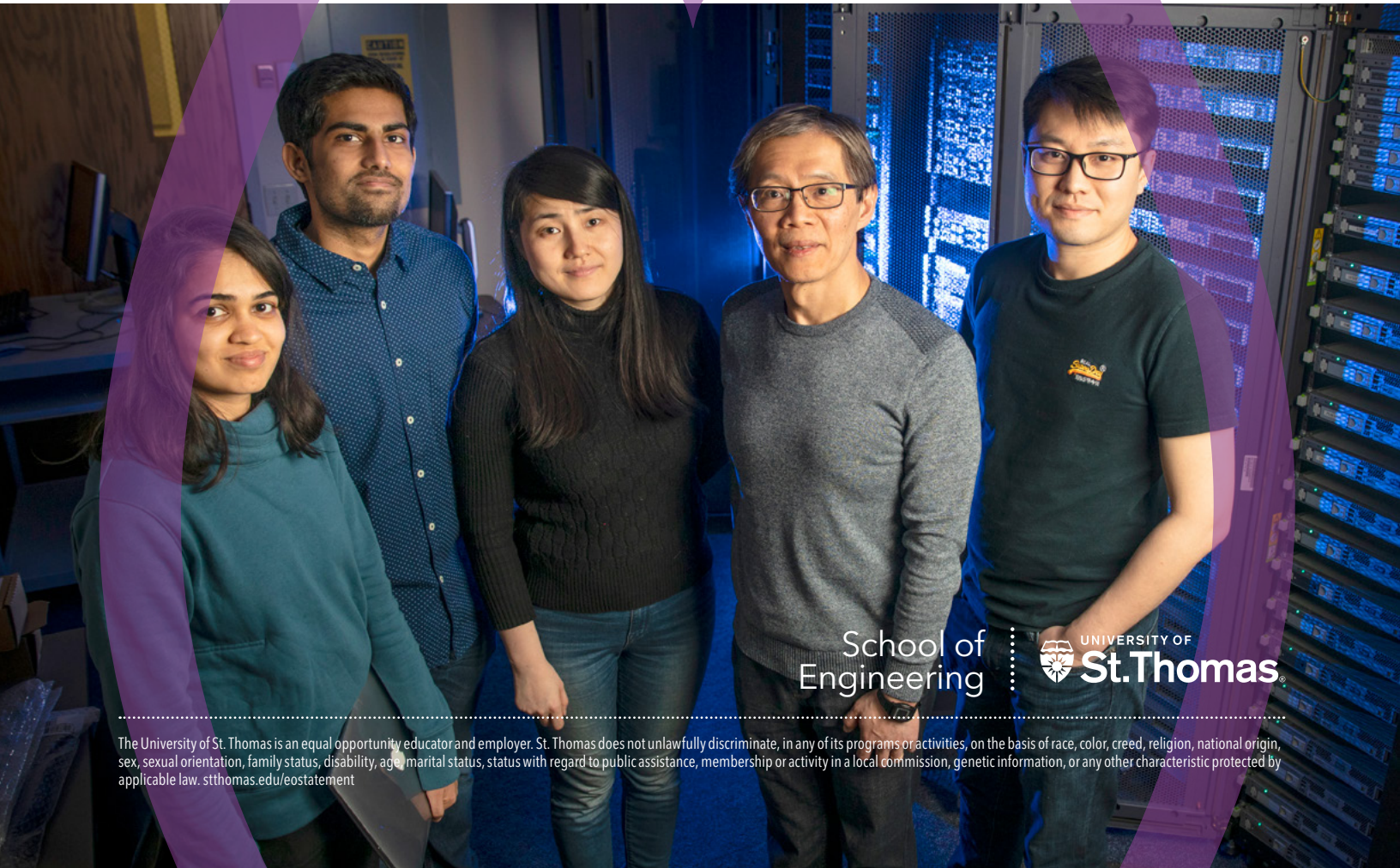
Veteran Resources: Students who are eligible for VA CH 33 Post 9/11 GI Bill at the 100% benefit rate are eligible for Yellow Ribbon.

Learn more at
www.stthomas.edu/student-life/resources/veterans/

Questions regarding financial aid?
Phone: 651-962-6550

Learn more at:
www.stthomas.edu/financialaid/graduate

and your career

St. Thomas has deep connections with the software and technology community. From internships to research to job opportunities, your connections to industry await.

- **Career Development Support**: Access to tools and resources, including career webinars, resume assistance, interview prep and one-on-one advice.

- **Academic Advisors:** Our dedicated advisors will partner with you to develop an individualized plan of study and guide every stage of your journey.

- **Build Your Network**: Forge meaningful connections with your classmates and professors. Join a powerful network of connections with 4,000+ software alumni.

- **Tech Partners:** The Twin Cities is one of the leading tech areas in the United States with over 136,000 tech jobs* and 17 Fortune 500 companies headquartered here.

*Reference:
www.mntechcorridor.com/collaboration/why-the-minnesota-technology-corridor

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