School of Engineering

UNIVERSITY OF St.Thomas


# GRADUATE PROGRAMS

Engineering

# engineering programs

**FOR REAL-WORLD EXPERIENCE**

Build a strong foundation and become an expert in your field with our unique engineering programs that go beyond theory and immediately allow you to apply your knowledge.

## MASTER'S DEGREES:

- **Electrical Engineering:** Gain proficiency in the technology of now, with an industry-oriented, career-focused and applied program. Concentration options:

  **o Power Systems**
  **o Electrification and Sustainability**
  **o Embedded and Intelligent Systems**
  **o Circuits, Signal and Systems**

- **Engineering Management:** Gain strategic thinking and visioning skills, develop fluency and competency in the basics of business operations beyond your technical knowledge, and learn about critical processes and tools necessary for managing complex technologies within a variety of companies.
- **Manufacturing Engineering:** Strengthen your engineering management and leadership skills in the context of real-world manufacturing and service systems.
- **Mechanical Engineering:** With advanced engineering concepts and tools you'll be successful in the biomedical fields, manufacturing, aerospace, HVAC, robotics and more.
- **Regulatory Science:** Learn how to interpret and apply a broad array of current regulatory requirements for medical devices and acquire the skills to effectively implement future changes in regulations, guidance documents and standards.
- **Systems Engineering:** An applications-oriented program designed for people who need to design, develop and manage large and complex systems in industry.

## CERTIFICATES:

- **Advanced Manufacturing:** Use analytical tools and industry-standard software to simulate and solve common manufacturing problems.
- **Engineering for Educators:** Gain a rigorous introduction to integrated STEM engineering content, with an emphasis placed on how to apply the material in PK-12 classrooms.
- **Manufacturing Systems:** Gain foundational knowledge and understanding of manufacturing systems and methods.
- **Medical Device Development:** Expand your industry knowledge with an applied education in the common areas of medical device development and regulation.
- **Power Electronics and Systems:** A comprehensive program on several prevailing factors in the world of power electronics.
- **Sustainability:** Build the knowledge and skills necessary to lead and manage sustainability initiatives and foster transformational change within organizations.


# ready for the next step?

**APPLY NOW**

**BY VISITING:**

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

# 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.


# paying for YOUR DEGREE

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

**Financial Aid** is available to U.S. permanent 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/**

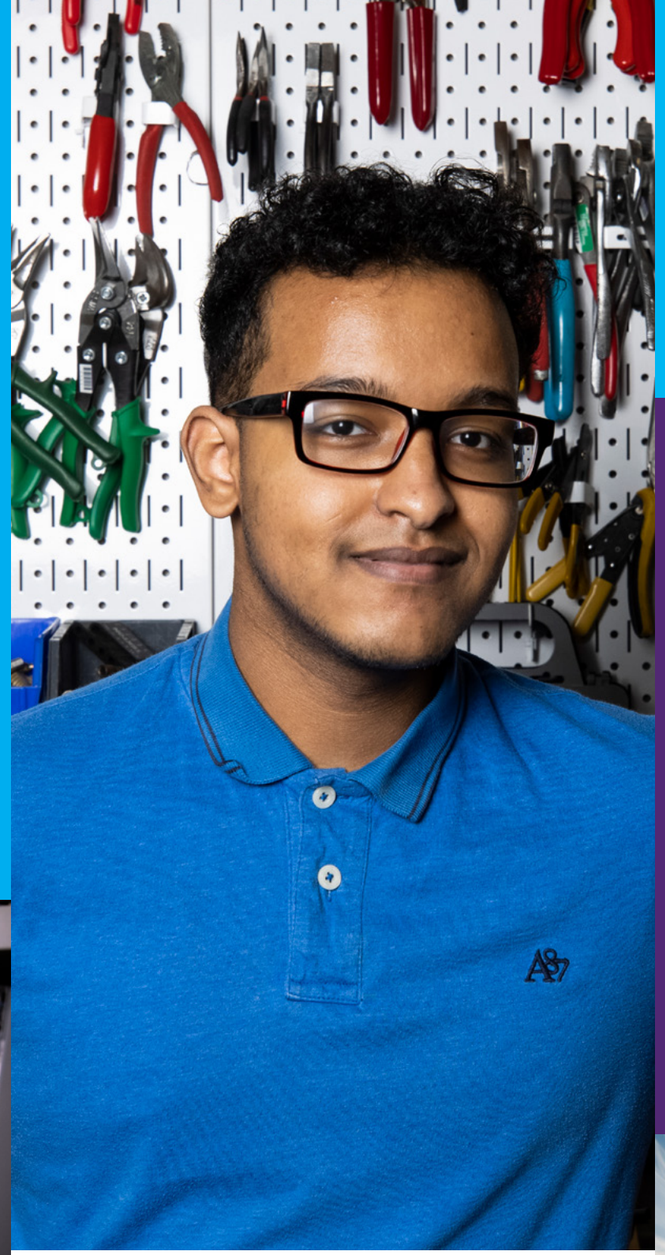
# classes and programs

## 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.
- In-person, online and hybrid courses offered. You have the flexibility to choose the learning format and pace that works best for you!
- 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.

**Questions regarding financial aid?**
Phone: 651-962-6550
**Learn more at:**
www.stthomas.edu/financialaid/graduate



SUPPORTING YOU

# and your career

St. Thomas has deep connections within the engineering 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 2,000+ engineering 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