

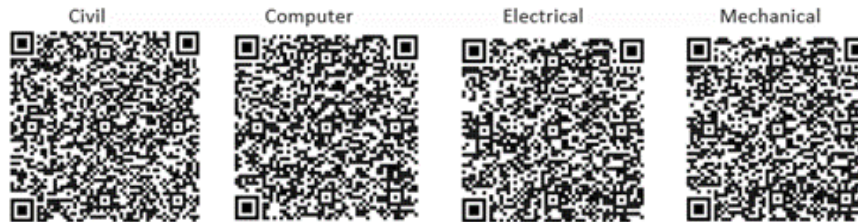
# Undergraduate Engineering FAQ Sheet

## WHAT CAN I DO WITH AN ENGINEERING DEGREE?

Engineers are involved in every industry you can imagine, providing solutions to problems which improve our lives. Whatever your passion, you can find a path to contribute to a better world with an engineering degree. Engineers work in agriculture, architecture, aerospace, the automotive, biomedical, & chemical industries, in control systems, electronics, manufacturing, material science, power, energy, geotechnical, telecommunications, computers, nano technology, software development, and many more industries. They oversee construction, transportation, and water resource projects. They serve the world and are called to do this with integrity.

## WHAT ARE THE REQUIRED CORE ENGINEERING COURSES?

Links to core course requirements for undergraduate engineering degrees may be found at the following sites:



## DO I HAVE OPPORTUNITIES FOR HANDS-ON PROJECTS?

Many of our classes and labs require hands-on projects which will develop the skills necessary for your capstone project during your Senior year. The two-semester capstone project provides an opportunity to work with industry partners on real world applications. At St Thomas we believe that learning to apply engineering principles to hands on projects is extremely valuable.

## HOW CAN I GET INVOLVED IN MY CONCENTRATION AREAS?

Student clubs are a great way to develop your network and leadership skills. We have active student clubs for all engineering disciplines, in addition to specific clubs like Women in Engineering, Engineering for a Sustainable World, and Society of Military Engineers. Check out all our clubs!





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## HOW DO I GET INVOLVED IN RESEARCH?

Great question! Extracurricular research and project work are key components of the engineering experience at St Thomas. Many of our undergraduate students contribute to faculty-mentored research projects involving several exciting topics such as sustainability, robotics, medical devices, and much more. To get involved with research, a student should reach out to faculty who will help find an opportunity that matches their interests and grows their skills.

Our research projects are often directly funded by industry so that students experience the research and development (R&D) needs of high-tech companies. Students are paid and develop marketable engineering skills that stand out on a resume. The research experience often culminates with a student-delivered talk at a conference or a published paper!

## TELL ME ABOUT INTERNSHIP AND CO-OP EXPERIENCES AVAILABLE

Internship and Co-op experiences are available with many of our industry partners and sponsors. We encourage all students to participate in an industry internship to gain valuable experience. A co-op experience can fulfill your elective course requirement or count toward requirements of a Minor. Our Career Development Center lists job postings and is a great place to start your search for Co-op and Internship opportunities. Our Co-op coordinator can assist you with details of the process once you have a job offer.

## CAN I STUDY ABROAD AND STILL GRADUATE IN 4 YEARS?

The School of Engineering provides several opportunities for students to experience a truly life-changing global experience as an undergraduate engineering student. Unique to University of St. Thomas, typically 45% of St. Thomas's engineering students study around the world.

Opportunities in Australia, Italy, Jordan, and Peru exist along with new opportunities being developed. A 5-year dual degree in German and Engineering is also available, which includes an internship in Germany. Course credits earned during study abroad programs can easily be used in your engineering program so you can still graduate on time. In addition, your financial aid may carry over to study abroad programs, making them more affordable than you might think.

## WHO CAN I CONTACT FOR MORE INFORMATION ?

**Civil Engineering:** Travis Welt [travis.welt@stthomas.edu](mailto:travis.welt@stthomas.edu)

**Electrical & Computer Engineering:** Kundan Nepal [kundan.nepal@stthomas.edu](mailto:kundan.nepal@stthomas.edu)

**Mechanical Engineering:** John Wentz [wentz2252@stthomas.edu](mailto:wentz2252@stthomas.edu)

**Transfer Student Coordinator:** Jenny Holte [jholte@stthomas.edu](mailto:jholte@stthomas.edu)

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