

Science, Technology & Society

BA, BSc | www.yorku.ca/science/sts

Admission Requirements

BA

- ENG4U, SBI4U or SCH4U or SPH4U
- **Minimum admission average:** high 70s – mid 80s

BSc

- ENG4U, MHF4U, SBI4U or SCH4U or SPH4U
- **Minimum admission average:** high 70s – mid 80s

Students can **major** or **minor** in our Science, Technology and Society program, and obtain either a **BSc** or **BA** depending on program

Program Overview

STS is the study of relationships between science, technology and society.

Complex issues face our world today such as digital surveillance and information manipulation, environmental degradation and climate change, technological transformations related to AI and robotics, ethics and genomics, pharmaceutical governance, and sustainable food production.

STS scholars use a range of interdisciplinary approaches to deal with these important issues. Our research helps inform social decision-making by recognizing that solutions to complex contemporary challenges have multiple interacting natural, social and technical features. We assign high priority to communicating our expertise and understanding of these complex issues to science and non-science academics and students, policy makers as well as the public at large.

Our aim is to educate future scientists, engineers, politicians, business executives, computer programmers and responsible citizens to integrate scientific and technical competence with critical thinking, human values, and social and environmental responsibility.

Selection of Science, Technology & Society Core Courses:

- Introduction to Science, Technology and Society
- Exploring Science, Technology and Society
- History of Modern Science
- Technology in the Modern World
- Exploring Gender in STEM
- Science, Technology and Racial Social Justice
- Capstone: Science, Technology and Society Seminar

Science, Technology & Society Minor Options:

Students can minor in Life Sciences and Society (LSS), Technology, Innovation and Society (TIS) and Earth, Sustainability and Society (ESAS).

Select courses include:

Life Sciences and Society (LSS)

- How Darwinism Developed: A History of Evolutionary Biology
- Genomics and Society
- Biomedicine and Society
- Science, Health and Food

Technology, Innovation and Society (TIS)

- The Global Information Society
- Technological Failure
- Technology, Experts and Society
- Science, Technology and Modern Warfare

Earth, Sustainability and Society (ESAS)

- Science and Exploration
- Physics in the 20th Century
- Science and Technology Issues in Global Development
- From the Ark to the Anthropocene

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Why Degree in Science, Technology & Society?

Distinguish your degree: York Science is the only place in Canada that offers major and minor programs in Science, Technology and Society. STS students learn about scientific knowledge and governance, technological change and controversies, innovation policy, and political economy using tools from the social sciences, humanities, and cultural studies. Students learn how to work between disciplines in a way that prepares them for professional and graduate schools, teaching, journalism, policy, and more.

Science and Technology in Action: A degree in STS allows you to better communicate the “real life” impact and social repercussions that science and technology have on different groups in society.

Stand For Science: A degree in STS allows you to understand about the rise of anti-science movements, how information is manipulated about science and technology (e.g., vaccines, climate change), and how these problems can be tackled through strategic communications.

Science, Technology and Social Justice: STS students learn about equity, diversity and inclusivity by examining local, national and global science and technology controversies in past and present societies.

Possible Career Pathways

Students who major or minor in STS have many career options including:

-  Professional and graduate school
-  Computer and/or user programming and design
-  Education and teaching
-  Science and tech communications
-  Green entrepreneurship
-  Science, medical and technical writing
-  Medicine and public health
-  Museum management
-  Government and public service
-  Science and technology business and industry
-  Non-profits and NGOs
-  Consulting

Get In Touch

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