Science, Technology & Society
BA, BSc | www.yorku.ca/science/sts

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.
**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