Science and technology are among the most powerful forces transforming our world today. They have changed social institutions like work and the family, produced new medicines and foods, in uenced economies and international a airs, and have the capacity to alter and destroy human life as well as the natural environment itself. These forces come with a vast and complicated array of ethical and social dilemmas that a ect both our daily lives and our world. An individual cannot be considered well educated nor can they participate in civil so- ciety as an informed citizen without substantial knowledge of what science and technology are and how they interact with society.

From the perspective of the humanities and social sciences, STS uses a critical, balanced, and interdisciplinary approach, and promotes neither unbridled enthusiasm for, nor an activist rejection of science and technology. While science and technology can be appreciated for their valuable contributions, it is also important to acknowledge the range of negative and unintended consequences that often follow in their wake.

Students with a background in STS will bring a unique social and ethical perspective to pivotal debates in the 21st century including the relations between science and gender, science and religion, technology and social values, the politics of technological innovation, the impacts of disease and natural disasters on society, or whether nano-technologies will change the very nature of what it means to be human.

Students may obtain a Minor, Major or Honours in Science and Technology Studies. The Minor, Major and Honours requirements are stated below.

In addition to the requirements for a Major in STS, an Honours degree in STS requires a total

36 credits hours are required for a Major in STS. These include required courses in the core theoretical concepts in the discipline of STS, and at least 6 credit hours in science. Students can then follow their own particular interests and complete the Major requirements drawing from a range of 2000- and 3000-level courses in STS and from courses in other disciplines, recognized as STS electives. The details are that the Major in STS must include:
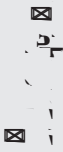
(i)   the following core STS courses:
      STS 1003. Science, Technology & Society I
      STS 2103. Science, Technology & Society II
      STS 3103. Science, Technology & Society III

(ii) at least 6 credit hours in science (selected from: STS 1503/1513 Principles of Biology I/II)

(iii) a total of 9 credit hours selected from any 2000-level STS course (and which may

on learning and understanding rather than on memorizing; the class is structured to foster the retention of workable knowledge. Prerequisites: None.

STS-2703. History of Life Sciences

This course examines the historical background and development of the life sciences from

STS-3063. Science, Religion, and Galileo's Trial (HMRT 3283)

Examines the complex interactions between Western science and the Judeo-Christian religious tradition in the ancient, medieval, and early modern periods culminating with a close study of Galileo's trial by the Inquisition in 1632 to reveal how variable and complex interactions between science and religion have been characterized at di erent times by con-ict, cooperation, separation, understanding, misunderstanding, dialogue, and alienation. Prerequisite: STS 2243 or permission of the instructor.

STS 3103 - Science, Technology & Society III

This course further develops an integrative understanding of the core theories and various

STS-3503. Feminism and Techno-Science (GEND) (HMRT 3273)

Examines a variety of feminist perspectives on science and technology which suggest that scienti c authority (particularly in the biological and life sciences) rationalizes and normal-