

# STSO: SCIENCE, TECHN & SOCIETY (UNDERGRADUATE)

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## **STSO 1005 Introduction to Science & Technology Studies (4 Credits)**

This study introduces students to the field of Science and Technology Studies (STS). We will address how STS differs from other fields and the advantages and limits of our unique interdisciplinary approach. Drawing on a range of methods, we will explore topics such as the foundations of scientific knowledge; science as a source of social power and authority; understanding technological systems; race, gender, and postcolonial perspectives; and public engagement with science and technology. In sum, we will open the black boxes of scientific and technical work and work products and consider the implications for society.

**Attributes:** Social Science Gen Ed, \*Social Sciences Gen Ed, Liberal

## **STSO 1998 Individualized Studies in Science Technology & Society (STSO) (1-8 Credits)**

Students have the opportunity to develop individualized studies with their mentor in Science, Technology & Society (STSO). Please contact your mentor/advisor for more details.

## **STSO 2998 Individualized Studies in Science Technology & Society (STSO) (1-8 Credits)**

Students have the opportunity to develop individualized studies with their mentor in Science, Technology & Society (STSO). Please contact your mentor/advisor for more details.

## **STSO 3005 Innovation Technology & Society (4 Credits)**

What is technology? What is its relationship with individuals and society? Is it always a force for good? This course examines historically important technologies such as the development of writing and the printing of books, and their impact on the human race; and compares these historical developments to modern technological innovations

**Attributes:** Liberal

## **STSO 3010 Science & Technology in Western Culture (4 Credits)**

This advanced study will explore a broad range of scientific and technological discoveries and developments, from the dawn of Western civilization to the present day. Learn how such innovations built on each other over the centuries, carrying the West, and much of the rest of the planet, through scientific and industrial revolutions and evolution, culminating in the complex, highly-interconnected world of the late 20th Century. Explore how the roots of many modern social, political and environmental issues can be found through the examination of the history of science and technology. This course meets the general education requirement in Western Civilization. This course was previously HIS-243454.

**Attributes:** Western Civilization Gen Ed, Liberal

## **STSO 3020 Science and Technology in World Civilizations: Revolution, Innovation, and Incremental Change (4 Credits)**

Students in this course will examine the historical and ongoing interplay between science, technology, and society with an eye towards understanding the roots of many social, political, and environmental issues. They will explore the history of scientific and technological activities and achievements, in particular major periods such as the agricultural, scientific, and industrial revolutions, and the move to a systems approach within science and engineering. Within this exploration, students will analyze the interplay of science and technology with society and how these revolutionary periods and other turning points came about and affected different regions at different times. By investigating relevant worldviews related to nature and science and technology, students will appraise the impact of these worldviews on the natural and built environment. And, by examining gender and other aspects of diversity, students will assess the influence of the identity of participants and subjects on the interplay between science- and technology-based activities and society.

**Attributes:** \*World Hist & Glb Awncss Gen Ed, Liberal

## **STSO 3998 Individualized Studies in ScienceTechnology & Society (STSO) (1-8 Credits)**

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## **STSO 4998 Individualized Studies in Science Technology & Society (STSO) (1-8 Credits)**

Students have the opportunity to develop individualized studies with their mentor in Science, Technology & Society (STSO). Please contact your mentor/advisor for more details.