

Science, Technology and Society, Minor

The Minor in Science, Technology and Society

Professor Christopher J. Phillips, *Faculty Advisor*, History Department
Location: Baker Hall 231C, 412-268-1753, cjp1@cmu.edu

Dr. Alexandra Garnhart-Bushakra, *Academic Program Manager*, History Department
Location: Baker Hall 240G, 412-268-1260, agarnhar@andrew.cmu.edu

Ms. Beth Jameson, M.A., *Academic Advisor and Humanities Coordinator*, History Department
Location: Baker Hall 240A, 412-268-5666, bjamesson@andrew.cmu.edu

Overview

The Minor in Science, Technology, & Society (STS) provides students with an interdisciplinary, historically-grounded perspective on the development and meaning of science and technology in modern society. The minor enables students to explore the philosophical underpinnings, cultural and historical contexts, and economic and literary assessments of the interplay among science, technology, and society. A wide range of elective courses facilitates a deeper dive into subjects and approaches that build on the skills and knowledge gained in students' primary and additional majors. This minor is appropriate for students pursuing both B.A. and B.S. degrees who seek a greater understanding of how science and technology have helped to shape and reshape the modern world.

Curriculum

The STS minor curriculum is 54 units (typically six 9-unit courses) split between a minimum of 27 units of "Core Courses" and 27 units of Electives. Students must take two "Core Courses" on the history and philosophy of science and technology and one "Core Course" on the language and rhetoric of science and technology. Students may choose from a wide variety of approved electives, including additional "Core Courses" to complete the minor. Students may request that courses not currently listed in the catalog count for the elective requirement by asking the Faculty Advisor for approval.

Please note that students may "double-count" a maximum of two courses for the STS minor that are used to fulfill the requirements of other majors and programs, including those administered directly by the History Department.

Minor in Science, Technology and Society 54 units

I. Core Courses 27 units

Complete one course from each area. Additional courses from the History of Science Core and the History of Philosophy Core may count as electives for the minor.

Area 1. History of Science Core

Take at least 1 course from the list below.

	Units
79-160 Introduction to the History of Science	9
79-170 Introduction to Science, Technology, and Society	9
79-175 Moneyball Nation: Data in American Life	9
79-234 Technology and Society	9
79-330 Medicine and Society: Health, Healers, and Hospitals	9
79-370 Technology in the United States	9
79-380 Hostile Environments: The Politics of Pollution in Global Perspective	9

Area 2. Philosophy of Science Core

Take at least 1 course from the list below.

80-220 Philosophy of Science	9
80-221 Philosophy of Social Science	9
80-226 The Nature of Scientific Revolutions	9
80-244 Environmental Ethics	9

80-245 Medical Ethics	9
80-249 AI, Society, and Humanity	9

Area 3. Science Core

Take at least 1 course (9 units total) from the following departments: 15-xxx Computer Science, 09-xxx Chemistry, 03-xxx Biological Sciences, 33-xxx Physics

II. Electives 27 units

Complete three courses from the approved list of elective courses. Courses listed in Areas 1 and 2 may also be taken as electives if not already completed for an Area requirement. To petition for a course not listed to be approved as an elective, contact the Faculty Advisor, cjp1@cmu.edu, directly.

73-427 Sustainability, Energy, and Environmental Economics	9
76-395 Science Writing	9
76-425 Rhetoric, Science, and the Public Sphere	9
76-476 Rhetoric of Science	9
76-492 Rhetoric of Public Policy	9
76-494 Healthcare Communications	9
79-150 Medieval Science, Magic, and Wonders of Nature	9
79-176 Telegraphs, Tapes & TikTok: Technology and Revolutions in the Modern Middle East	6
79-202 Flesh and Spirit: Early Modern Europe, 1400-1750	9
79-204 American Environmental History	9
79-208 Witchcraft and Witch-Hunting	9
79-213 The American Railroad: Decline and Renaissance in the Age of Deregulation	6
79-215 Environmental Justice from Conservation to Climate Change	9
79-221 From Compton to Kabul: Sound, Power, and Global History	9
79-280 Coffee and Capitalism	9
79-283 Anthropology of Energy	9
79-289 Animal Planet: An Environmental History of People and Animals	9
79-297 Technology and Work	9
79-302 Killer Robots? The Ethics, Law, and Politics of Drones and A.I. in War	9
79-303 Pittsburgh and the Transformation of Modern Urban America	9
79-304 History of Eugenics and Scientific Racism	9
79-315 The Politics of Water in Global Perspective	9
79-331 Body Politics: Women and Health in America	9
79-332 Medical Anthropology	9
79-357 Science and the Body	6
79-365 Race, Medicine, and Civil Rights	9
79-368 Un-natural Disasters: Societies and Environmental Hazards in Global Perspective	6
79-375 Science & Religion	6
79-381 The Multispecies City: Anthropology of Urban Environments	9
80-101 Dangerous Ideas in Science and Society	9
80-150 Nature of Reason	9
80-222 Measurement and Methodology	9
80-312 Mathematical Revolutions	9
80-324 Philosophy of Economics	9
80-335 Social and Political Philosophy	9
80-348 Health, Human Rights, and International Development	9
84-387 Remote Systems and the Cyber Domain in Conflict	9

III. History Internship 3-9 units

79-505 Social & Political History Internship	3-9
--	-----

The History program strongly encourages students to locate internship opportunities in Pittsburgh or elsewhere that complement their historical interests (as, for example, in a museum or historical society) or in areas of policy research that complement their historical interests (as, for example, in a government agency or non-profit organization that promotes science education and outreach). The Academic Program Manager, Dr. Alexandra Garnhart-Bushakra, will assist students with matching their interests to local organizations. STS students can earn up to 9 units in each internship. Up to 9 history internship credits may count toward fulfillment of elective course requirements for the STS minor.