



SCIENCE, TECHNOLOGY, AND SOCIETY

Issues such as global warming, AIDS, biological warfare, and cyber terrorism confront us on a daily basis. In the Minor in Science, Technology & Society (STS), students discover the social dynamics of science, technology, and medicine. The STS Minor explores how science and technology affect the world's widely differing societies and cultures, including traditional and non-Western cultures—and how societies and cultures, in turn, affect scientific and technological change. The minor introduces students to multiple techniques for studying boundary-spanning problems, including scientific, historical, anthropological, and policy science approaches as well as new, interdisciplinary methods. Students who complete the minor acquire a new appreciation of the social, political, and ethical problems that characterize an increasingly scientific/technological world.

Students wishing to pursue an academic minor in Science, Technology, and Society must develop a specific plan for its completion in consultation with the program's designated advisor. Appointments may be scheduled by sending e-mail to sts.minor.advisor@umich.edu. Students may not declare the STS minor later than the first week of the first term of their senior year. **No course may be counted simultaneously toward both STS and any other academic minor. Students pursuing an RC Social Science major may not do this minor.**

Courses on science, technology, and society are offered by many different departments and programs in LS&A as well as in other colleges of the university. Only courses specifically approved by the STS Program may be counted toward the minor. There are presently no provisions for exceptions to this rule. An up-to-date list of currently approved courses is available at the STS Program website www.umich.edu/~umsts/undergradcourses.html

Prerequisites to the Academic Minor: None for the Academic Minor *per se*, although individual courses elected to meet the requirements of the Academic Minor may have course prerequisites.

Academic Minor Program: At least 5 courses for a minimum of 18 credits of courses, to be elected from the categories as outlined in the LS&A Bulletin.

1. **Core course:** RCNSCI 275
2. **Electives.** A minimum of 3 courses for at least 11 credits, subject to the following conditions:
 - A maximum of one elective at the 100 level is permitted (up to 4 credits).
 - At least two electives must be at the 300 level or above.
 - Students may also count any research seminar (see below) as an elective.



- At least two of the student's three electives must be drawn from one of the focus clusters: science and society, technology and society, or medicine and society.

A. Science and Society Focus Cluster

ANTHRBIO 360, 361, 362

BIOLOGY 101, 140

CHEM 120 (section subtitled "The History and Philosophy of Chemistry")

EEB 498

ENVIRON 270

ENVRNSTD 270, 290 (section subtitled "The Science and Politics of Global Warning")

HISTORY 285, 301, 366, 427, 591 (section subtitled "Science and Society in Early Modern Europe")

HONORS 252 (section subtitled "Numbers and Reasons")

NRE 270

PHYSICS 281

Residential College

- RCIDIV 310
- RCNSCI 232, 250, 260, 343
- RCSSCI 360 (section subtitled "Exploring the Boundary between Science and Politics")

UC 212

WOMENSTD 312

B. Technology and Society Focus Cluster

BIOLOGY 140

ENVRNSTD 263

ENGLISH 415 (section subtitled "Research and Technology in the Humanities")

HISTORY 285

NRE 419

Residential College

- RCIDIV 330, 430, 450
- RCNSCI 263, 270, 419
- RCSSCI 271, 382

UP 263

C. Medicine and Society Focus Cluster

CAAS 355

ANTHRCUL 258 (section subtitled "Culture and Medicine"), 416, 444

BIOLOGY 118



HISTORY 284, 355

RCNSCI 260 (section subtitled “From Shamans to Cyborgs: Socio-Cultural Studies of Health, Illness, and the Biomedical Sciences” and other topics as appropriate).

3. **One research course of seminar**, at the 300- or 400-level, in the student’s chosen focus cluster, chosen in consultation with and approved by the advisor. The research course or seminar will normally be completed in the student’s junior or senior year. To be approved for this requirement, a course must include a major research project (typically a long term paper) or a significant field study component.

Approved STS Research Courses and Seminars

ENVRNSTD 311 & 312, 415

HISTORY 396, 397, (section subtitled “Health and Medicine in U.S. Culture since 1875” and other colloquia, if appropriate), 379, 497

HONORS 370 (section subtitled “The Rhetoric of Evidence in Research”)

PHYSICS 481

Residential College:

- RCCORE 405 (taken with a member of the STS Program core faculty)
- RCNSCI 415
- RCSSCI 374, 379, 488

4. **Science/Technology/Medicine cognate (lab based)**. Students electing this academic minor must complete one cognate, consisting of a laboratory-based course in a natural science, computer science, or engineering. This cognate may count toward the LS&A distribution requirement (if it is approved for that requirement). Ideally, this course should relate to the student’s chosen focus cluster.