What is STS?

Science, Technology, and Society (STS) is an internationally recognized field of interdisciplinary study that integrates social scientific and humanistic studies to better understand the natural and human-built world. The minor in STS offers students the opportunity to critically examine science, technology, and medicine as expressions of human cultures, past and present. Students learn to scrutinize the ideas, values, and materials embedded in the world they inhabit today and to relate them to other times and places. They explore how choices made within various social, economic, and political structures influence the development of science, technology and medicine. They also see how the adoption and diffusion of ideas, artifacts and techniques can then influence individuals, society, politics, and culture. Courses in this minor draw students together from diverse majors across the campus and encourage open inquiry into the role of science and technology in society.

The machine does not isolate man from the great problems of nature but plunges him more deeply into them.

—ANTOINE DE SAINT-EXUPERY
The minor program in STS is open to all undergraduate students at JMU. Courses taken to complete the STS minor can also be used to satisfy the student’s major, as well as General Education requirements.

The STS minor requires 18 credit hours with at least one course each from the history, sociology, and ISAT courses listed below:

**Required Courses, 3 units:**

One of the following three:

- ISAT 131. Technology, Science, and Society
- SOCI 315. Science, Technology, and Society
- HIST 327. Technology in America

**Elective Courses, 15 units:**

From at least 4 different programs/majors (e.g. HIST, ISAT, GEOG, SOCI, ANTH):

- ANTH 340. The Invention of Race
- ANTH 360. Medical Anthropology
- ANTH 373. Anthropological Perspectives on Environment and Development
- ARTH 303. History of Design
- ARTH 376. Modern Architecture
- CS 330. Societal and Ethical Issues in Computing
- GEOG 322. Agricultural Systems
- GEOG 325. Environmental Ethics
- GEOG 344. Economic Geography and Development Issues
- GEOG/ISAT 429. Sustainability: An Ecological Perspective
- HIST 305. History of Science and Christianity
- HIST 306. A History of the Body in the West
- HIST 326. The Automobile in 20th Century America
- HIST 327. Technology in America
- HIST 404. Science and Society in Early Modern Europe
- HIST 405. Travel and Exploration
- HIST 427. U.S. Environmental History
- HIST 443. Modern American Technology and Culture
- ISAT 231. Political Economy of Technology and Science
- ISAT 311. Role of Energy in Modern Society
- ISAT 411. Energy Economics and Policy
- ISAT 421. Environmental Policy and Regulation
- ISAT 456. Ethical, Legal and Social Implications of Biotechnology
- ISAT 464. Telecommunications in the Public Interest
- ISAT 471. Transportation: Energy, Environment and Society
- ISAT 477. Complex Systems and How They Fail
- PHIL 396. Philosophy of Physics
- PHIL 397. Philosophy of Space and Time
- PHIL 398. Philosophy of Quantum Theory
- PHIL 410. Philosophy of Science
- SOCI 311. Sociology of the Environment
- SOCI 316. Space, Time and the Human Social Environment
- SOCI 366. Sociology of Knowledge
- SOCI 375. Medical Sociology
- WGS/ISAT 485. Gender Studies in Science
- WRTC 358. Writing About Science and Technology
- WRTC 416/SCOM 465. Rhetoric of Environmental Science and Technology
- WRTC 458. Scientific and Medical Communication