

# STEM IN SOCIETY MINOR (COS)

**Banner Code:** STEM

Website: <https://science.gmu.edu/academics>

The STEM in Society minor develops strategic and critical thinking capabilities to better understand how science, technology, engineering, and mathematics (STEM), as well as medicine, impact the human experience - past, present, and future. It provides a broad perspective of the STEM fields, to include how advances are developed, how they fit into the wider context of society and culture, and how historical contexts have in turn shaped advances in these fields.

The skills and competencies gained from this minor are useful to those seeking work in the tech and health care industries, as well as fields like international development and public policy or in non-profits, the government, or think tanks.

## Admissions & Policies

### Policies

Eight credits of coursework must be unique to the minor and students must earn a minimum grade of 2.00 in all courses applied to the minor. For policies governing all minors, see AP5.3.4 Minors (<http://catalog.gmu.edu/policies/academic/undergraduate-policies/#ap-5-3-4>).

## Requirements

### Minor Requirements

Total credits: 15

#### Required Course

Code	Title	Credits
HIST 315	STEM and Society: A History (Mason Core) ( <a href="http://catalog.gmu.edu/mason-core/">http://catalog.gmu.edu/mason-core/</a> )	3

Total Credits 3

#### Electives

Code	Title	Credits
Select 12 credits from any of the following courses		12

##### Historical

BIOL 301	Biology and Society (Mason Core) ( <a href="http://catalog.gmu.edu/mason-core/">http://catalog.gmu.edu/mason-core/</a> )
COS 301	Great Ideas in Science (Mason Core) ( <a href="http://catalog.gmu.edu/mason-core/">http://catalog.gmu.edu/mason-core/</a> )
HIST 202	Freshman/Sophomore Seminar in Global History
HIST 378	History of Aviation
HIST 390	The Digital Past (Mason Core) ( <a href="http://catalog.gmu.edu/mason-core/">http://catalog.gmu.edu/mason-core/</a> )

##### Medicine and Health

ANTH 363	Humans, Disease, and Death (Mason Core) ( <a href="http://catalog.gmu.edu/mason-core/">http://catalog.gmu.edu/mason-core/</a> )
ANTH 365	Scientific Racism and Human Variation (Mason Core) ( <a href="http://catalog.gmu.edu/mason-core/">http://catalog.gmu.edu/mason-core/</a> )
ANTH 381	Medical Anthropology
GCH 205	Global Health (Mason Core) ( <a href="http://catalog.gmu.edu/mason-core/">http://catalog.gmu.edu/mason-core/</a> )
GCH 360	Health and Environment
GCH 445	Social Determinants of Health
or SOCW 445	Social Determinants of Health
GLOA 388	Global Health and Development
PHIL 344	Ethical Issues in Global Health

##### Environment

ANTH 370	Environment and Culture
CEIE 100	Environmental Issues and Solutions Around the World (Mason Core) ( <a href="http://catalog.gmu.edu/mason-core/">http://catalog.gmu.edu/mason-core/</a> )
CLIM 101	Global Warming: Weather, Climate, and Society (Mason Core) ( <a href="http://catalog.gmu.edu/mason-core/">http://catalog.gmu.edu/mason-core/</a> )
EVPP 436	Politics of Climate Change Governance
GGG 307	Geographic Approaches for Sustainable Development
PHIL 243	Global Environmental Ethics (Mason Core) ( <a href="http://catalog.gmu.edu/mason-core/">http://catalog.gmu.edu/mason-core/</a> )

##### Science and Technology

ANTH 314	Zombies
ANTH 395	Work, Technology, and Society: An IT Perspective (Mason Core) ( <a href="http://catalog.gmu.edu/mason-core/">http://catalog.gmu.edu/mason-core/</a> )
COS 400	Problem Solving and Leadership in STEAM
INTS 301	Science in the News (Mason Core) ( <a href="http://catalog.gmu.edu/mason-core/">http://catalog.gmu.edu/mason-core/</a> )
INTS 348	Digital Futures
IT 304	IT in the Global Economy
PHIL 271	How Science Works (Mason Core) ( <a href="http://catalog.gmu.edu/mason-core/">http://catalog.gmu.edu/mason-core/</a> )
PHIL 371	Philosophy of the Natural Sciences
PHIL 345	Topics in Philosophy of Technology
PHIL 377	The Darwinian Revolution in Modern Thought
SOCI 391	Big Data, Technology, and Society

##### Policy

EVPP 361	Introduction to Environmental Policy
EVPP 432	Energy Policy
NUTR 318	Global Nutrition and Food Security
NUTR 440	Nutrition Policy
BENG 375	Intellectual Property, Regulatory Concepts and Product Development

**Special Topics Courses (with permission of minor director when topic is related to STEM in Society)**

ANTH 396	Issues in Anthropology: Social Sciences (Mason Core) ( <a href="http://catalog.gmu.edu/mason-core/">http://catalog.gmu.edu/mason-core/</a> )
ANTH 399	Issues in Anthropology
ENGR 499	Special Topics in Engineering
GCH 494	Special Topics in Global and Community Health
GLOA 396	Topics in Global Affairs
GLOA 400	Global Affairs Capstone (Mason Core) ( <a href="http://catalog.gmu.edu/mason-core/">http://catalog.gmu.edu/mason-core/</a> )
HIST 387	Topics in Global History (Mason Core) ( <a href="http://catalog.gmu.edu/mason-core/">http://catalog.gmu.edu/mason-core/</a> )
INTS 375	Special Topics
INTS 475	Special Topics
NUTR 495	Nutrition and Food Studies Capstone
SOCI 395	Special Topics in Sociology
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Total Credits	12