# ETHICS, PUBLIC POLICY, SCIENCE AND TECHNOLOGY MINOR

**Offered at: San Luis Obispo Campus**

The Ethics, Public Policy, Science and Technology (EPPST) minor enables students to understand the complexities of contemporary science and technology policies as they relate to the broader public, ethical theories and applications, and personal and societal values; appreciate the historical influences on existing policies and practices; evaluate current policies; and assess the potential outcomes of proposed policy changes. A broad range of elective courses provides students with the opportunity to customize the EPPST minor to their particular interests, allowing them to pursue further knowledge in a focused subject area—such as biotechnology, sustainability and the environment, genetic engineering, health, development, agriculture, and the technologies of war. Students completing the EPPST minor will gain important skills for creating, proposing, promoting, and evaluating policies that respond to the profound challenges and choices we face related to science and technology in the 21st century at local, national, and international levels. The EPPST minor is not open to students who have declared a minor in one of the other STS minors: Gender, Race, Culture, Science and Technology (GRCST); Media Arts, Society and Technology (MAST); and Science Communication (SC).

## Program Learning Objectives

1. Understand and evaluate the interconnectedness between science, technology and the social, political, cultural and environmental dimensions of our world with an emphasis on systems of ethics and public policy.
2. Identify, analyze and contextualize problems at the intersection of science and technology and ethical theories. Propose solutions to these complex issues.
3. Explain key concepts, terms, and frameworks from research on the complex relationships between ethics, public policy, science and technology, and apply these concepts, terms, and frameworks to conduct interdisciplinary research and/or engage in creative activities in individual and group settings.
4. Exhibit effective, ethical and inclusive communication skills allowing them to communicate about the complex relationships between ethics, public policy, science, and technology to multiple audiences.
5. Recognize emergent scientific and technological challenges, promote more socially responsible scientific and technical practices, and work, collaborate, and interact more responsibly and effectively in an increasingly diverse and globalized workplace and world.

## Minor Requirements and Curriculum

The minor must be completed prior to, or at the same time as, the requirements for the bachelor's degree. A major and a minor may not be taken in the same degree program, and a minor is not required for a degree. Requirements for the minor include:

- At least half of the units must be from upper-division courses (3000-4000 level).
- At least half of the units must be taken at Cal Poly (in residence).
- No more than one-third of the units will be taken with credit-no credit grading (CR/NC), not counting courses with mandatory CR/NC. Departments may further limit CR/NC grading if desired.
- A minimum 2.0 GPA is required in all units counted for completion of the minor.

| Code | Title | Units |
|---|---|---|
| **REQUIRED COURSES** | | |
| ES/WGQS 3350 | Gender, Race, Culture, Science, and Technology | 4 |
| ISLA 1123 | Introduction to Science, Technology, and Society | 3 |
| ISLA 4456 | Advanced Project-Based Learning in Science, Technology & Society | 4 |
| Ethics, Science and Technology Core | | |
| Select from the following: | | 3 |
| PHIL 3323 | Ethics, Science, and Technology | |
| PHIL 3327 | Robot Ethics | |
| PHIL 3328 | Technologies and Ethics of Warfare | |
| PHIL 3339 | Biomedical Ethics | |
| PHIL 3340 | Environmental Ethics | |
| Public Policy, Science and Technology Core | | |
| Select from the following: | | 3 |
| POLS 3332 | World Food Systems | |
| POLS 3351 | Public Policy and Administration | |
| POLS 4451 | Technology and Public Policy | |
| POLS 4452 | Technology and International Development | |
| POLS/WGQS 4457 | U.S. Reproductive Politics | |
| EPPST Electives | | |

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| Select from the following: [1] | | 3-4 |
| BIO 2217 | Wildlife Conservation Biology | |
| BIO/CHEM 3318 | Genetic Engineering Technology | |
| BRAE 3348 | Energy for a Sustainable Society | |
| BUS 3311 | Managing Technology in the International Legal Environment | |
| COMS 4402 | Rhetorics of Science, Technology, and Medicine | |
| CRP/NR 4404 | Environmental Law | |
| CRP/NR 4408 | Water Resource Law and Policy | |
| ENGL 3315 | Writing Sustainability, Equity, and Resilience | |
| ERSC/GEOG 3325 | Climate and Humanity | |
| ES 4406 | Indigenous Peoples, International Law, and Policy | |
| FSN 3319 | The Science of Food for the Consumer | |
| HIST 4407 | Science and Society in the Cold War United States | |
| HIST 4432 | United States Environmental History | |
| ISLA 3303 | Values and Technology | |
| ISLA 3305 | Public Engagements with STEM | |
| ISLA/AG/EDES/ENGR/GEOG/ISLA/SCM/UNIV 3350 | The Global Environment | |
| ISLA/LAES 4411 | Community and Meaning-Filled Design | |
| NR 1142 | Environmental Management | |
| NR 3323 | Human Dimensions in Natural Resources Management | |
| PHIL 3321 | Philosophy of Science | |
| PHIL 3322 | Philosophy of Technology | |
| POLS 4426 | International Organizations and Law | |
| PSC 3320 | Energy, Society, and the Environment | |
| SOC 3308 | Sociology of the Environment | |
| SOC 4435 | Sociology of Health and Illness | |
| **Total Units** | | **20** |

[1] Additional prerequisites may be needed to complete this requirement.