

INTERFACE COURSE REQUIREMENTS

This page describes the interface course requirement for the Biology and Society emphasis in the B.S. in Biology. **Students must take at least one course from each of the three areas for a total of 12 hours.** While these specific courses will fulfill the requirement without further approval, students may propose other courses as well. We will carefully review any courses proposed for their fit with rationale and objectives outlined below.

ETHICS

Includes rigorous analysis of ethics and values in the context of the products and process of life sciences.

BIO 394/HPS 394 Biomedical ethics
BIO 416/HPS 410 Professional Values in Science
CDE/FAS 498 Ethical Issues in Family & Human Development

PHI 305 Ethical Theory
PHI 306 Applied Ethics
PHI 310 Environmental Ethics
PHI 335 History of Ethics
PHI 494/REL 494 Bioethics

HISTORY AND PHILOSOPHY OF SCIENCE

Focuses 1) on the development of science over time and the way science changes with and within society or 2) promote a deep understanding and appreciation of the nature of scientific arguments and logic, and of what counts as evidence in science.

BIO 316/HPS 330 History of Biology
BIO 318/HPS 331 History of Medicine
HPS 322 or HPS 323 History of Science
HPS 325/HST 385 Chinese Science & Medicine

HST 309 Exploration and Empire
PHI 312 Theory of Knowledge
PHI 314 Philosophy of Science
PHI 394 Philosophy of Biology

SCIENCE IN CONTEMPORARY SOCIETY

Must expose students to the methods of inquiry and results in the social study of science exploring contemporary interactions between biology and society. Economics, politics, law, anthropology, and such, are valuable here, where they clearly recognize and analyze current issues relating to both science and society, not just science.

BIO 302 Cancer and Heart Disease
BIO 303 Radiation and Life
BIO 304 Radiation Medicine and Biology
BIO 343 Genetic Engineering and Society
BIO 344/HPS 311/ HUM 371/REL 383
Origins: Evolution & Creation
BIO 346/HPS 332/HUM 372 Darwinian Revolution

BIO 394/AFR 317/ASB 394 Genes, Race and Society
BIO 427 Fire *or* HST 460 History of Fire
PGS 306 Environmental Psychology
SOC 331 Environmental Sociology
SOC 334 Technology and Society
SOC 394 Sociology of Science