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**