



NC STATE

GES MINOR FELLOWSHIP

Genetic Engineering and Society Interdisciplinary Minor Certificate

NC STATE
UNIVERSITY

Fellowships Open to **Masters and PhD Students**, and Include:

- **Tuition** • **Benefits**, and • **Generous Stipend of \$17K** for one semester •

ABOUT THE GES MINOR >

The interdisciplinary minor in Genetic Engineering and Society (GES) examines the **technological, societal and ecological issues** surrounding the development and potential use of **genetically engineered organisms**. Participants learn the basic **concepts and principles underlying genetic engineering** and the methods used for evaluating the technology's **impacts on society and the environment**. Open to graduate students in the Humanities, Social and Natural Sciences.

MINOR REQUIREMENTS

Twelve credit hours total from approved courses, including

- **4-5 hours** from two CORE GES courses:
 - GES/COM 508 (3 CR) Emerging Technologies and Society
 - GES 591 (1-2 CR) Colloquium seminar
- And **7-8 hours** from the list of approved courses outside the student's home discipline.

APPROVED COURSES

ANT 550 - Culture, Ecology, and Sustainable Living
BIT 510 - Manipulation of Recombinant DNA
BIT 574 - Plant Genetic Engineering
CBS 561 - Principles of Collab. & Team Science
COM 538 - Risk Communication
COM 561 - Human Communication Theory
COM 568 - Public Communication of Research
CS 518 - Intro to Regulatory Science in Agriculture
ECG 549 - Economic Development
ECG 515/ FOR 515 - Env't, & Resource Policy
ENG 515 - Rhetoric of Science and Technology
FW 511 - Human Dimensions of Wildlife Mgmt.
FW 595 - Genetics in Wildlife Management
GN 735 - Genomic Science

HI 540 - Topics in Environmental History
HI 581 - History of the Life Sciences
HI 585 - History of American Technology
NR 571 - Current Issues in Natural Resource Policy
REL 571 - Darwinism & Christianity
PA 550 - Environmental Policy
PA 552 - Science & Technology Policy
PHI 575 - Ethical Theory
PSC 520 - Fundamentals of Citizen Science
PSY 757 - Innovation and Technology
SOC 762 - Sociology of Food Systems
ST 590 A,C - Bioinformatics I/II

*Additional courses may be substituted at Co-Directors' discretion.

Contact: Dr. Katie Barnhill at skbarnhi@ncsu.edu

Visit us at: go.ncsu.edu/ges-minor

