

ENVIRONMENTAL SCIENCE (ENVS)

ENVS 3000. Environmental Science. (3 Credits)

This course covers the biological, chemical, and geological components of world ecosystems. The causes of both air and water pollution will also be covered. The interactions between the atmosphere, lithosphere, hydrosphere, and biosphere will be described. The relationship between global change and the effects of human activities will be addressed as well.

Attributes: BIEL, ENST, ESNS, ESPS, INST, ISIN.

Prerequisites: BISC 1404 and BISC 1414 or (NSCI 1404 and NSCI 1414) and CHEM 1322 or NSCI 1322.

ENVS 4401. Environmental Science Internship. (4 Credits)

Individually tailored research internship in an environmental institution. Placement will be in an environmental organization, government agency or business, under the supervision of a consenting faculty member, and with permission of the Environmental Science Program Faculty Committee. Grade and credits are given only upon the completion and successful defense of a final report integrating the practical internship experience with previous course work in environmental science is required. A weekly seminar that synthesizes previous environmental science coursework with practical experiences is also required. All students choosing this option must complete two semesters (4 credits each). Four-credit courses that meet for 150 minutes per week require three additional hours of class preparation per week on the part of the student in lieu of an additional hour of formal instruction.

ENVS 4501. Environmental Science Research. (4 Credits)

Individually tailored laboratory or field research conducted throughout the senior year. The project will be on a specific environmental topic under the supervision of a consenting faculty member and with permission of the Environmental Science Program Faculty Committee. Grade and credits are given only upon the completion and successful defense of a final research paper that integrates the project findings with previous published studies in environmental science. A weekly seminar that synthesizes previous environmental science coursework with research experiences is also required. All students choosing this option must complete two semesters (4 credits each). Four-credit courses that meet for 150 minutes per week require three additional hours of class preparation per week on the part of the student in lieu of an additional hour of formal instruction.