Environmental Science (EVS)

EVS 301 Introduction to Environmental Science 3 Hours
Introduction to the field of environmental science, with a focus on the contributions from the three disciplinary areas of the biology, geography, and geological sciences. Examine historical and current perspectives as well as problems in environmental science including climate and climate change, the science of sustainability, ecosystem stability and change, pollution, water resources, and environmental ethics. Discuss what it means to be an environmental professional.

EVS 311 Field Seminar in Sustainability 3 Hours
Introduction to field observation and analysis of environmental processes and sustainability issues. Discuss ecology, hydrogeology, climate science, energy, and sustainability.

EVS 119S, 219S, 319S, 419S, 519S, 619S, 719S, 819S, 919S Topics in Environmental Science 1-9 Hours
This course is used to record credit the student earns while enrolled at another institution in a program administered by the University's Study Abroad Office. Credit is recorded as assigned by the study abroad adviser in the Department of Earth and Planetary Sciences. University credit is awarded for work in an exchange program; it may be counted as coursework taken in residence. Transfer credit is awarded for work in an affiliated studies program.

EVS 121 Research Methods 1 Hour
Overview of the methods involved in research projects designed to help prepare students in independent research projects or internships.

EVS 129S, 229S, 329S, 429S, 529S, 629S, 729S, 829S, 929S Topics in Environmental Science 1-9 Hours
This course is used to record credit the student earns while enrolled at another institution in a program administered by the University's Study Abroad Office. Credit is recorded as assigned by the study abroad adviser in the Department of Earth and Planetary Sciences. University credit is awarded for work in an exchange program; it may be counted as coursework taken in residence. Transfer credit is awarded for work in an affiliated studies program.

EVS 331 Research Methods for the Environmental Sciences 3 Hours
Subjects include experimental design, statistical analysis and modeling, and ethics. Students develop and conduct an independent research project during the laboratory portion of the course.

EVS 141 Environmental Science Professionalism I 1 Hour
Examines the fundamental, nontechnical aspects of environmental science and sustainability practices through the use of case studies and projects that use interdisciplinary approaches. Subjects may include the importance of interdisciplinary collaboration in addressing and assessing environmental science processes, the development of professional opportunities across disciplines, understanding professional responsibilities, applying ethical principles, the balance of multidisciplinary demands in professional practice, and the need for lifelong learning.

EVS 151 Environmental Science Professionalism II 1 Hour
Examines the fundamental, nontechnical aspects of environmental science and sustainability practices. Focuses on the use of interdisciplinary communication for addressing and assessing environmental science processes, the challenges posed by communicating across disciplines, the development of professional communication and public speaking skills, effective presentation of research, the ethics and practices of peer research review, and effective communication of the effects of environmental science in a global society.

EVS 171, 271, 371, 471 Topics in Research Experience 1-4 Hours
Supervised study of selected topics in environmental science by individual arrangement with the instructor.

EVS 172C, 272C, 372C, 472C Senior Research Proposal in Environmental Science 1-4 Hours
Work towards an understanding of the broader literature on a topic, identify hypothesis of interest, design an experiment to test the hypothesis, develop a budget, and write a research proposal.

EVS 172D, 272D, 372D, 472D Senior Research in Environmental Science 1-4 Hours
Continuation of Environmental Science 172C, 272C, 373C, or 472C. Perform proposed experiment, collect and analyze data, present results, and write a final report.