

ENVIRONMENTAL SCIENCE (ENSI)

ENSI-119 Introduction to Environmental Science 4 Credits

Lecture: 3 hours per week, **Lab:** 2 hours per week

Offering: Fall and Spring Only, All Years

This course provides an excellent overview of many scientific disciplines including chemistry, biology and geology. Basic scientific principles are used to understand and address challenges faced in the environment including biodiversity loss, species extinction, the growth of human population, man's use of energy and water resources, toxicology, ocean acidification, global climate change and pollution of the environment.

Prerequisites: MATH-025, MATH-090 or an appropriate score on a placement test.

Corequisites: ENSI-119L

ENSI-225 International Environmental Issues 3 Credits

Lecture: 3 hours per week

Offering: Spring Only, All Years

This course will examine complex relationships between physical and social factors that contribute to unique regional variations and global significance of international environmental problems. The physical basis of major environmental issues including biodiversity, water resources and climate change will be discussed. In addition to physical and chemical factors, relationships of culture, demographics, geography, economics, history and politics will be explored as these factors may complicate a region's environmental problems. Students will be required to use spatial and analytical data to communicate multifaceted international environmental problems and defend the economic feasibility, social/political acceptability and scientific basis of potential solutions. This global perspective will allow students to analyze and defend adaptation and mitigation strategies for these topics.

Recommended Pre/Corequisites: ENSI-119