

ENVS 3150K: Environmental Toxicology

4 Credit Hours

Prerequisite: (BIOL 1108 and BIOL 1108L) and (CHEM 3361 and CHEM 3361L)

Environmental toxicology is the study of the nature, properties, effects and detection of toxic substances in the environment and environmentally exposed species, including humans. Students taking this course will learn to quantify environmental exposures using dose-response relationships, categorize the absorption of toxicants, calculate the distribution of storage toxicants, describe the biotransformation and elimination of toxicants, determine target organ toxicity, teratogenesis, mutagenesis, and carcinogenesis of various toxins and manage the risks associated with them.

ENVS 3350: Oceanography

3 Credit Hours

Prerequisite: (CHEM 1212 and CHEM 1212L) and (BIOL 1108 and BIOL 1108L)

Students in this course will learn how plate tectonics affect the positioning of our continents, how the physical and chemical makeup of seawater affects the ocean's properties, and how air-sea interactions, ocean circulation, waves and tides all affect our climate. Finally, students will explore the biological richness of the ocean ecosystem by studying coastal habitats, biological productivity, pelagic and benthic marine organisms, marine pollution and the exploitation of marine resources.

ENVS 3398: Internship

1-4 Credit Hours

Prerequisite: 90 credit hours and permission of the instructor.

This course provides a structured out of the classroom experience in a supervised setting that is related to the student's major and career interests. Practical experience is combined with scholarly research under the guidance of faculty and the internship supervisor. Internship sites must be secured in advance of the semester of the placement and must be approved by the student's advisor and internship coordinator.