TOX—TOXICOLOGY

BOUVÉ COLLEGE OF HEALTH SCIENCES

TOX U101 Toxicology Orientation 1 SH
Introduces toxicology as it relates to environmental, forensic, and clinical issues. Focuses on general principles of toxicology and their application to determining the hazards of toxicants in the workplace, home, and environment.

TOX U570 Clinical Toxicology 2 SH
Examines the potential toxicity of drugs, commercial products, and environmental agents. Focuses on clinical manifestations, mechanisms of toxicity, principles of treatment, and prevention of acute and chronic poisonings. Prereq. PSC U501 and permission of instructor.

TOX U572 Environmental Toxicology 3 SH
Discusses the distribution, interaction, and effects of toxic agents on the biosphere. Applies the results of toxicology investigation to understanding the environment’s chemical pollution. Prereq. PSC U301 and CHM U311.

TOX U574 Organ Systems Toxicology 3 SH
Presents the principles of toxicology from an organ-systems perspective. Focuses on the concepts used to evaluate toxicity, the mode of injury at the organ and cellular level, and the basic subcellular mechanisms through which toxic agents produce damaging effects. Prereq. PSC U501 and permission of instructor.

TOX U576 Experimental Toxicology 3 SH
Emphasizes the interpretation of toxicological literature. Employs structure activity and biochemical methods of assessment to evaluate mechanisms of toxicity of major classes of chemical compounds. Develops the ability to analyze and interpret data in the literature. Prereq. TOX U574 and permission of instructor.

TOX U578 Biochemical Toxicology Lab 3 SH
Introduces investigative methods for assessing toxicity. Develops the ability to analyze and interpret data generated in the lab and in the literature, and sharpens technical report-writing skills.

TOX U701 Toxicology Research 3 SH
Offers students participation in faculty-directed projects in the toxicology laboratory. Prereq. Permission of instructor.

TOX U970 Junior/Senior Honors Project 1 4 SH
Focuses on in-depth project in which a student conducts research or produces a product related to the student’s major field. Culminating experience in the University Honors Program. Combined with Junior/Senior Project 2 or college-defined equivalent for 8-credit honors project. Prereq. Honors program participation.

TOX U971 Junior/Senior Honors Project 2 4 SH
Focuses on second semester of in-depth project in which a student conducts research or produces a product related to the student’s major field. Culminating experience in the University Honors Program. Prereq. TOX U970 and honors program participation.