

## **SCM 3000K: The Science and Concepts of Environmental, Occupational Safety and Health**

### ***4 Credit Hours***

This course provides students with an overview of the environmental, occupational safety and health profession including career paths and certifications. Students learn the science of the Occupational Safety and Health (OSH) Act of 1970 and the Occupational Safety and Health Administration (OSHA) standards addressing the physical and chemical hazards in the workplace. An introduction to the science of accident causation and the research of National Institute for Occupational Safety and Health (NIOSH) will also be included.

Notes: Also included within this course is OSHA 30-hour General Industry training. Students completing that portion of the course will receive the OSHA credential from the OSHA Training Institute. The OSHA 30-Hour training is intended for employees who have a responsibility of safety of others such as supervisors and Environmental, Occupational Safety and Health professionals.

## **SCM 3001K: The Science of Managing Hazardous Material**

### ***4 Credit Hours***

*Prerequisite: CHEM 1151 or CHEM 1211*

This course provides students with an introduction to science, federal laws and regulations relating to hazardous material as well as the careers and certifications available in hazardous material management. Included in the course is the Occupational Safety and Health Administration Hazardous Waste Operations and Emergency Response (OSHA HAZWOPER) 40 which is specifically designed for workers who are involved in clean-up, emergency response and storage and disposal of hazardous substances. HAZWOPER 40 meets the requirements of several OSHA regulations.

## **SCM 4490: Special Topics in Science and Mathematics**

### ***1-4 Credit Hours***

*Prerequisite: varies by topic*

Selected special or current topics of interest to faculty and students in the science and mathematics community. These topics will be of interest across disciplines in the College of Science and Mathematics.