OCCUPATIONAL SAFETY & ENV HLTH (OSEH)

OSEH 120: 3 s.h.
Fundamentals of Safety, Health, Environmental Issues (G3)
Introduction to safety, health and environmental issues that impact people and workplaces. Includes the historical development of safety, the impact of accidents on society, a legislative overview and basic principles of personal risk assessment and management.

OSEH 179: 3 s.h.
Experimental

OSEH 200: 3 s.h.

OSEH 220: 3 s.h.
Legal Aspects Environmental Safety
Legal issues relative to occupational safety and environmental health. Includes federal and state legislation, resolution of legal and ethical challenges, product safety and professional liability.

OSEH 221: 3 s.h.
Industrial Fire Prevention, Protection and Control
Basic principles, chemistry of fire, fire hazards determination, workforce notification, alarm and sprinkler systems, protective equipment, evacuation procedures and fire fighting methods.

OSEH 221H: 3 s.h.
Hon: Fire Prevention

OSEH 222: 3 s.h.
Construction Safety
Methodology for the anticipation, recognition, evaluation and control of safety and health hazards associated with construction industries. Topics include engineering principles and risks associated with multiple types of facilities and infrastructures. Prereq: OSEH 120

OSEH 279: 3 s.h.
Experimental

OSEH 300: 3-12 s.h.
Co-Op Ed Experience in OSEH

OSEH 333: 3 s.h.
Introduction to System Safety
Qualitative and quantitative system safety methods used to analyze and control risk. Includes a variety of analytical engineering techniques that are applied to practical system-analysis problems. Prereq: OSEH 320 and MATH 130.

OSEH 379: 3 s.h.
Experimental

OSEH 400: 3-12 s.h.
Co-Op Ed Experience in OSEH

OSEH 430: 3 s.h.
Safety and Hygiene Management
Principles and practices of occupational safety and environmental health management. Includes the development of safety objectives and policy, evaluation and management of risk, and program implementation and evaluation. Offered annually. Prereq: OSEH 220 and 320 or permission of instructor.

OSEH 422: 4 s.h.
Environmental & Industrial Health II - Physical Hazards
Fundamental theory and methods used in the anticipation, recognition, evaluation and control of the physical hazards of noise, ionizing/nonionizing radiation, illumination, thermal stress, local exhaust ventilation, and dilution ventilation. Covers regulatory standards and control methods. Prereq: OSEH 120, MATH 101 or 151 or 160 or 161 and PHYS 103 or 104 or 131, or permission of instructor.

OSEH 430: 1 s.h.
Topics in Occupational Safety & Environmental Health
A review of industry specific hazards and operations related to Occupational Safety and Environmental Health. Topics vary according to the needs and interest of students involved. The course is intended to build on basic safety management concepts and an understanding of how these concepts are applied in specific sectors. Challenges and specific regulatory requirements, which may be unique to the business sectors covered, will be included. Emphasis is placed on leadership and mentorship of OSEH students. Reserved for Senior OSEH majors or by instructor permission.

OSEH 435: 3 s.h.
Environmental Health
Environmental health review of scientific and technical foundations, with an examination of problems, regulations and control strategies. Covers identification of pollution sources, evaluation strategies, engineering controls, federal and state regulatory and permitting processes. Emphasis is on practical information needed by environmental health professionals to resolve issues affecting industry. Prereq: OSEH 321 or ENVI 330 or permission of instructor.
OSEH 440: 6,12 s.h.
Internship
Students work full-time for nine weeks or more under the direct supervision of an OSEH professional in industry, insurance, government agencies or other approved location. University supervision, seminars and evaluation are provided. Students experience problems, practices and principles in the management of occupational safety and/or industrial hygiene programs. To be taken twice, concurrently or consecutively, with increased work and research responsibilities. Prereq: senior OSEH majors and permission of OSEH coordinator.

OSEH 479: 1-6 s.h.
Experimental

OSEH 489: 1-4 s.h.
Honors Course
Preparation of honors thesis proposal. For the definition of honors course and student eligibility, refer to the departmental honors section of this catalog. EDTE, AETM and OSEH majors may enroll in the Department of Applied Engineering, Safety & Technology honors program. Contact the department office for guidelines and an application.

OSEH 499: 1-3 s.h.
Departmental Honors