

# SAFETY MANAGEMENT (ETSM)

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**ETSM 2396. Special Topic. 3 Hours.****ETSM 3382. Issues In Nanotechnology Safty. 3 Hours.**

This course introduces students to the emerging technological frontier of nanotechnology. Areas of study will include: potential health concern, potential safety hazards, exposed control procedures occupational health surveillance, and research in the area of safety management for furture nanotechnology workers.

**Prerequisite:** ETEE 1340, ETDD 1361 and Sophomore standing.

**ETSM 4096. Directed Study. 1-6 Hours.**

Arranged professional and developmental learning experiences incorporating a practical application of safety management skills and practices. To include internships, individual research and industry studies. Variable Credit (1-6).

**Prerequisite:** Sophomore standing.

**ETSM 4363. Safety Program Management. 3 Hours.**

This course presents an in-depth examination of the concepts, methods, and techniques involved in safety program management. Emphasis will be placed on the development of safety management programs for the industrial and construction industries. The strengths and weaknesses of existing safety programs, performance management techniques, behavior-based safety, design safety, legal aspects of safety and health management, and emerging trends in safety and health management will be covered.

**Prerequisite:** Junior standing.

**ETSM 4369. Special Topic. 3 Hours.****ETSM 4382. Industrial Safety. 3 Hours.**

This course is a study of the problems involved in developing an integrated safety program for an industrial or commercial establishment. It involves safety education, safe worker practices, recognition and elimination of health hazards, machinery guards, in-plant traffic, material handling and emergency treatment for industrial accidents. Prerequisite: ETCM 1363 and ETDD 1361. Junior standing.