M.S. IN ENVIRONMENTAL HEALTH AND SAFETY

Overview

An interdisciplinary **M.S. degree program in Environmental Health and Safety** is offered through the Department of Industrial and Systems Engineering in collaboration with the School of Medicine. These programs of study are individually structured to fit the student's interests and career objectives.

The program will consist of a 36 credit hours in the areas of environmental health and safety.

Admission Requirements

A bachelor's degree from a regionally accredited university with a minimum GPA of 3.0

Curriculum Requirements

Code	Title	Credit Hours
Core Courses		
EPH 601	Medical Biostatistics I	4
EPH 602	Biostatistics II	3
or ISE 712	Design of Experiments	
EPH 621	Fundamentals of Epidemiology	3
EPH 641	Environmental Health	3
ISE 657	Ergonomics and Human Factors Engineering	3
ISE 651	Accident Prevention Systems	3
or EPH 617	Disease Prevention and Health Promotion	
ISE 757	Ergonomics and Occupational Biomechanics	3
ISE 794	Master's Project	3
Electives		11
Total Credit Hours		**36**

Plan of Study

Year One		
Fall		**Credit Hours**
EPH 601	Medical Biostatistics I	4
ISE 657	Ergonomics and Human Factors Engineering	3
ISE 763	Project Management Techniques	3
	Credit Hours	**10**
Spring		
EPH 621	Fundamentals of Epidemiology	3
EPH 641	Environmental Health	3
ISE 757	Ergonomics and Occupational Biomechanics	3
	Credit Hours	**9**
Year Two		
Fall		
EPH 617	Disease Prevention and Health Promotion	3
ISE 613	Quality Management in Service Organizations	3
ISE 712	Design of Experiments	3
	Credit Hours	**9**
Spring		
ISE 670	Engineering Management	3
ISE 794	Master's Project	3
HMP 655	Public Policy and Health	2
	Credit Hours	**8**
	Total Credit Hours	**36**

Mission

The Department of Industrial and Systems Engineering's mission is to provide contemporary and relevant industrial and systems engineering education and research; impart knowledge and skills necessary to design and to improve a variety of manufacturing and service processes; promote life-long learning; and contribute to emerging societal needs.

Student Learning Outcomes

- Graduates will demonstrate an ability to apply knowledge and methodology to advanced problems in Environmental Health and Safety.
- Graduates will demonstrate an ability to write effectively about advanced Environmental Health and Safety topics.
- Graduates will have an ability to present their findings effectively about advanced Environmental Health and Safety topics.