

# MASTER OF SCIENCE IN ENVIRONMENTAL HEALTH, OCCUPATIONAL ERGONOMICS AND SAFETY SPECIALIZATION, PLAN A

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Department of Environmental and Radiological Health Sciences

The Master of Science in Environmental Health, Occupational Ergonomics and Safety Specialization, Plan A, is based on a multidisciplinary group of faculty and courses aimed at enhancing the workplace in terms of safety, process, and product quality, and the quality of work life. The foundation of the program is driven by the utilization of a systems approach in human-centered design and in the most current safety theories and practice. The program integrates a multidisciplinary approach from psychology, engineering, the health sciences, and safety to better understand and optimize human well-being and overall system performance in the workplace.

Graduates from this master's program are typically employed as health and safety managers, ergonomic consultants, safety specialists, human factor specialists, and risk analysts. Companies hiring our graduates often include manufacturing companies, consulting firms, municipalities, universities, medical device companies, and insurance companies.

## Requirements Effective Fall 2021

Code	Title	Credits
<b>Core Courses</b>		
DM 575	Human Factors in Design	3
ERHS 520	Environmental and Occupational Health Issues	3
ERHS 526	Industrial Hygiene	3
ERHS 528	Occupational Safety	3
ERHS 532	Epidemiologic Methods	3
ERHS 540	Principles of Ergonomics	3
ERHS 541	Ergonomics in Product and Process Design	3
ERHS 637	Environment, Safety, and Health Management	3
ERHS 679	Occ Env Health Interdisciplinary Symposium	2
ERHS 699	Thesis	3
PSY 692D	Seminar: Industrial/Organizational Psychology	1
PSY 792D	Advanced Seminar: Industrial/Organizational Psychology	3
STAR 511	Design and Data Analysis for Researchers I	4
<b>Program Total Credits:</b>		<b>37</b>

A minimum of 37 credits are required to complete this program.