

Name of Program: Occupational Safety and Health

(ΔΙΔΑΚΤΟΡΙΚΟ, Ph.D.)

Degree: Ph.D.

The PhD program in Occupational Safety and Health aims to create a new generation of high level research scholars. The program aims to capitalize on the existing traditional theoretical schools in safety science, while taking in account the local, cultural influences, as well as exploring emerging risks and new challenges in a National level (the discovery of hydrocarbons). The program will involve an element of theoretical reinforcement through the delivery of three high class fundamental classes and a research part that will concentrate in the area of choice of the candidate(s). Students will benefit from ongoing project work in the Centre for Risk, Safety and the Environment (CERISE) with particular emphasis to the areas of safety performance and safety cultures in micro firms, human factors and safety cultures in critical infrastructures and risk communication.

GENERAL OBJECTIVES:

- To develop in researchers the ability to question and contest theories and concepts underpinning occupational safety and health;
- To armor students with methodological as well as theoretical tools that will enable them to develop new knowledge and expand the frontiers of safety science;
- To provide a thorough background on the mainstream, traditional as well as developing theories in health and safety management;
- To ensure that researchers understand the locus of OHS within Enterprise Risk Management and Corporate Governance and the need to integrate the management of safety and health into all levels of responsibility in an undertaking;
- To ensure that students understand the need to approach occupational safety and health risks primarily through the use of preventative means;

SPECIFIC OBJECTIVES:

The specific objectives of the Ph.D. in Occupational Safety and Health program are:

- To prepare a small, select group of exceptional students to hold university faculty positions or conduct original research in the corporate or public sectors, or get high level positions in industry.
- To help students acquire critical appraisal of the concepts and theories that underline the nature and practice of safety science and the extension of the processes of inquiry (problem solving, critical thinking and research) for the development and testing of knowledge.
- To explore the boundaries of knowledge in safety science with particular emphasis to local and cultural influences (e.g. micro firms, family businesses, hydrocarbons etc)
- To provide students with the learning foundations for the continuing evolution of new knowledge in safety science.
- To empower research students with skills that will allow them to become experts in their chosen area of safety science.
- To foster and nurture the diverse and varying educational, personal, and cultural backgrounds and experiences of students in an educational environment that

encourages and promotes the free interchange among scholars and between teachers and students

LEARNING OUTCOMES:

Upon successful completion of this program, the students should be able to:

- Identify, interlink and experiment with the underlying theories and concepts that allow for the planning, development and delivery - in conjunction with an organization’s management – of a holistic safety management system, tailor made for the needs and challenges of a specific work environment;
- Measure with use of qualitative/ probabilistic/ stochastic methods, possible (occupational) safety/health risks and evaluate them by applying the correct risk assessment methodology;
- Develop tailor made, innovative risk assessment, risk management and risk communication methods
- Set up experimental methods and means to measure human and psychological factors that could affect health and safety in the occupational environment and successfully implement appropriate and performance based measures;
- Master, develop and implement new safety technology; follow and lead in the safety dimensions of developing markets (e.g. oil and gas, critical infrastructure) ;
- Communicate health and safety policy, strategy and specific issues and requirements throughout the organization and the society;

EMPLOYMENT OPPORTUNITIES:

The program prepares graduates for international carriers in Academia or as senior researchers and consultants in both private and government organization.

Degree Requirements	ECTS
All students pursuing the PhD program in “Occupational Safety and Health” must complete the following requirements:	
Specific Coursework/Courses	30
OSH710 Epistemology of Science and Occupational Health and Safety Management Research	10
OSH730 Safety and Health Policy and Management	10
OSH740 Risk Contexts	10
Comprehensive Qualifying Examination	10
Preparation and Submission of a Thesis/ Dissertation Proposal	10
Ph.D. Project	85
Ph.D. Thesis/Dissertation	45
Total Requirements	180