

(EXISTING)

**Name of Program: Occupational Safety and Health
(ΜΑΣΤΕΡ OF SCIENCE)**

Degree: Master of Science

The MSc in Occupational Safety and Health (MOSH) is targeted at graduates with an engineering, numerical, business, psychology or health related background. Our graduates are anticipated to obtain all the necessary background that will allow them to be employed in the Health and Safety Sector either as Officers and / or as Consultants. Given the fact that H&S is described as one of the desired professions during the exploration and processing of hydrocarbons, the legal obligations of all organisations to either employ or collaborate with a competent person and finally the fact that our graduates will possess all the necessary skills to train and / or educate in the area of H&S, we anticipate that this program is targeted to provide answers to the above.

GENERAL OBJECTIVES:

- To develop in students a detailed understanding of the key concepts underpinning occupational safety and health;
- To provide an in-depth knowledge of the manner in which employers may achieve and maintain high standards of occupational safety and health;
- To provide a Postgraduate program in Safety Management to students from a diverse academic and professional background (engineering, management, psychology, health);
- To ensure that students 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:

- To create a new generation of OSH professionals, trained within a program tailor-made according to the professional qualifications of the National Legislation (Οι περί Ασφάλειας και Υγείας στην Εργασία Νόμοι του 1996 – 2011) as well as EU relevant legislation;
- To promote research on safety;
- To promote safety culture in society generally and employing organizations in particular;
- To create a unique course that will attract Postgraduate students from the wider SE Europe and Middle East areas;
- Create a generation of safety scientists and professionals, able to provide solutions for modern safety issues (oil and gas, critical infrastructure etc);

LEARNING OUTCOMES:

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

- Plan, develop and deliver in conjunction with an organization's management a holistic safety management system, tailor made for the needs and challenges of a specific work environment;
- Identify possible (occupational) safety/health risks and evaluate them by applying the correct risk assessment methodology;
- Implement appropriate health and safety measures (further to successful risk assessment) for all electrical, fire, chemical, environmental, acoustic, biological, thermal, ventilation and vibration risks;

- Assess correctly all 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) ;
- Work as a member of the health and safety function and in project groups and be able to lead these when needed;
- Communicate health and safety policy, strategy and specific issues and requirements throughout the organization;

EMPLOYMENT OPPORTUNITIES:

Graduates of the program are anticipated to have employment opportunities either as H&S Officers and / or Consultants, Trainers and / or Educators in the area of H&S. The active collaboration of the graduates with the work of the Centre for Risk, Safety and the Environment (CERISE), will provide them with the necessary skills to continue their research career as PhD students.

REQUIREMENTS		CREDITS	ECTS
All students pursuing the Master of Science Degree in "Occupational Health and Safety" must complete the following requirements:			
Core Courses		18	46
Electives		6	14
Master Thesis		6	30
Total Requirements		30	90
Core Courses (18 credits/46 ECTS)			
MSH611	Safety & Health Management	3	8
MSH612	Assessment & Management of H&S Risks	3	8
MSH613	Safety Technology	3	8
MSH614	Human and Psychological Factors in Occupational Health and Safety	3	8
MSH621	Research Methods in OSH	3	7
MSH622	Project Management and Managing H&S Risks in Capital Projects	3	7
Elective courses (6 credits/14 ECTS) (Students choose two courses from the list of elective courses)			
MSH623	Loss Prevention and Risk Analysis in the Oil, Gas, Petrochemical and Chemical Industries	3	7
MSH624	Major Hazard Installations and Critical Infrastructure Protection	3	7
MSH625	Economics of Occupational Health and Safety	3	7

MSH626	Fire Safety Management	3	7
Master Thesis (6 credits/30 ECTS)			
MSH690	Master Thesis	6	30

(Έγκριση από ΕΑΙΠ 58^η Σύνοδος 18/7/2014)