
Master of Sciences – Occupational Hygiene, Health, Safety and Environmental Management (OHHSEM)

The program is intended to equip graduates with a wide range of inter-disciplinary knowledge and skills to work in areas related to occupational hygiene health, safety and environment.

On successful completion of the programme, participants will:

- have a detailed knowledge and understanding of the major concepts and theories associated with environmental, health and safety management;
- employ appropriate advanced data analysing, synthesising and summarising skills in a scientific research environment;
- have a detailed knowledge and understanding of the concepts and processes of risk management;
- be able to implement risk assessment techniques in a number of diverse areas;
- have a detailed knowledge of and apply current approaches to managing chemical and biological hazards;
- understand how the principles of toxicology relate to occupational exposures;
- discuss and formulate measures to prevent pollution and reduce waste through process design;
- understand the effects of environmental hazards on the biotic and abiotic environment;
- have a fundamental understanding of the International legal framework;
- have a clear understanding of requirements in the main health, safety and environmental laws;
- be able to demonstrate a knowledge that is integrated across the legal, financial and general business aspects of professional practice;
- understand the role and importance of strategy in organisations;
- understand the importance of compliance with legislation and the consequences of non-compliance

The primary objective of the MSc OHHSEM is to deliver academic training in most of the disciplines relevant to occupational hygiene health, safety and environment. Students proceeding to the MSc will also receive practical training in planning, implementing and interpreting a piece of academic scientific research. In general, the course aims to:

- Provide an appreciation of the skills necessary to recognise, evaluate and control hazardous substances in the workplace, encompassing hazards such as chemical, physical (e.g. noise, radiation), biological and ergonomic agents
- Introduce the wide variety of aspects covered within the occupational hygiene health, safety and environment discipline such as legislation, toxicological basis for standard setting, methods commonly used to evaluate hazardous agents, and related and overlapping health professions
- Give a good foundation on which to build and extend students' knowledge of occupational hygiene during the changes and developments which lie in the years ahead

Organisation

Duration : 2 years - ECTS : 120 credits

Bilingual Program (French and English) or Only in English

1 st YEAR	1 st Semestre	Ects	2 nd Semestre	Ects
	OHHSEM 311 - Introduction to Hazards, Risks and the Working Environment	4	OHHSEM 321 - Chemical Agents	4
	OHHSEM 312 - Accident Analysis and Risk Control	4	OHHSEM 322 - Occupational Hygiene and Chemical Safety	4
	OHHSEM 313 - Group Development Workshop	4	OHHSEM 323 - Environmental Management and Risk Assessment	4
	OHHSEM 314 - Planning Occupational Safety and Health	4	OHHSEM 324 - Dissertation Methods	4
	OHHSEM 315 - Occupational Health in International Development	4	Choose 1 major course	9
	OHHSEM 316 - Understanding Physical Agents	4		
	OHHSEM 317 - Hazardous Substances	4		
	LAN 318 - Language	2	Internship of 3 Months	5
60 ECTS				

2 nd YEAR	3 rd Semestre	Ects	4 th Semestre	Ects
	OHHSEM 411 - Audit of Occupational Health and Safety Management	4	Internsip of 6 Months	30
	OHHSEM 412 - Safety Management Systems	4		
	OHHSEM 413 - Ergonomics and Workplace Psychology	4		
	Choose 1 major course	12		
	LAN 414 - Language	2		
	60 ECTS			

Choose 1 major course from the following topics:

- Risk and Environmental Modelling
- Environmental Toxicology & Pollution Monitoring
- Integrated Safety, Health and Environmental management
- Inland Water Quality Assessment
- Soils and Environmental Pollution
- Environmental Health

Conditions to get the degree

- Student must follow regularly all the courses - He/She had to attend their class work, project; exams required in each course - He/She must get at least 12/20
- Attend and realize Internships in company - Memory
- Student must get the TOEIC with 750 points or an equivalent in french

Tuition fee

8700 euros per year