
Master of Sciences – Waste and Recycling Management (WRM)

The waste management industry is undergoing a change in strategy as a result of the introduction of increasingly arduous legislation, tougher enforcement, and better educated consumers making demands about the environment. This is stimulating considerable investment by the waste industry in alternative technologies to reduce and reuse waste, rather than rely on simple landfill. This sector therefore has an urgent requirement for well qualified staff with management expertise who can meet the challenges of this future sustainable agenda.

The course has been developed, with considerable input from the sector, to address this demand. There are numerous benefits associated with undertaking a postgraduate programme of study at Institut de Formations et de Managements. These include:

- undertake projects in consultation with the waste and resource management industry, government and its agencies, local authorities and consultants
- lecturing from leading academics as well as industrial practitioners
- strong links to the multi-utility, waste and resource management sector
- geographical proximity to authentic waste facilities for site visits
- established capabilities in waste management, environmental technology and processing.

The course will provide students with the breadth and depth of advanced technical and professional knowledge in waste technology and management in order to meet the requirements expected of modern waste managers working in the industrial, government and consulting sectors. The course provides an integrated and cross-disciplinary approach to sustainable waste management and its application. Students will be equipped to select and apply scientific, technical and engineering principles; assess economic consequences and risks of waste management options; and apply acquired knowledge to team working and independent problem solving.

Organisation

Duration : 2 years - ECTS : 120 credits

Bilingual Program (French and English) or Only in English

1st YEAR	1st Semestre	Ects	2nd Semestre	Ects
	SERM 311 - Sustainable Energy Systems, Resources and Usage	4	SERM 321 - Renewable Energy I – Hydro, Tidal, Wave, and Bio-energy	4
	SERM 312 - Sustainable Development	4	SERM 322 - Renewable Energy II – Wind, Solar, and Geothermal	4
	SERM 313 - Group Development Workshop	4	SERM 323 - Environmental Management and Risk Assessment	4
	SERM 314 - Strategy Management & Entreprise	4	SERM 324 - Dissertation Methods	4
	SERM 315 - Climate Change Impacts	4	Choose 1 major course	9
	SERM 316 - Energy Policy and Economics	4		
	SERM 317 - Natural Resource Economic	4		
	LAN 318 - Language	2	Internsip of 3 Months	5
	60 ECTS			

2 nd YEAR	3 rd Semestre	Ects	4 th Semestre	Ects
	SERM 411 - Project Management	4	Internship of 6 Months	30
	SERM 412 - Regulation & Mangement of Energy Supply & Use	4		
	SERM 413 - Measurement and analysis in natural resource management	4		
	Choose 1 major course	12		
	LAN 414 - Language	2		
	60 ECTS			

Choose 1 major course from the following topics:

- Thermal processing and energy recovery from wastes
- Waste management (municipal waste, hospital waste, industrial waste, health care waste, infectious waste, genotoxic waste, biomedical waste .)
- Pollution Prevention and Remediation Technologies
- Process Emissions and Control
- Risk Management, Toxicology and Health

Conditions to get the degree

- Student must to follow regularly all the coures - He/She had to attend their class work, project; exams required in each course - He/She must to 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