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## Master of Sciences – Climat Change and Carbon Management (3CM)

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The planet is becoming hotter and much of the observed warming is attributed to increases in greenhouse gases in the atmosphere, the most significant of which is carbon dioxide. Regardless of our efforts to reduce greenhouse gas emissions over the next few decades some level of climate change is now thought inevitable. However the extent and severity of the changes are still uncertain. This multi-disciplinary coursework program explores the science of carbon change, anticipated climate change trends and their impacts, and drivers for the development of a low carbon economy.

The Master of Climate Change and Carbon Management graduates can expect to:

- gain both a high level of knowledge in particular aspects of climate change, a broad knowledge of the current issues in and approaches to climate change vulnerability, adaptation and mitigation and carbon management
- develop their independent learning, analytical and research, teamwork, and oral and written communication skills;
- develop networks relevant to their academic and professional interests; and

This program is designed for economics, business, social and physical science graduates wanting an advanced academic qualification as a launch pad for careers in carbon and climate change management by business, industry and government.

As a graduate of the programme, you will:

- be able to demonstrate an understanding of the conceptual and methodological bases for conducting high-quality investigations in the context of carbon management;
- be able to analyse the ethical considerations relevant to carbon management in an occupational or professional context;
- be able to apply the tools employed for tackling greenhouse gas emissions;
- be able to evaluate the effectiveness of different strategies employed to tackle greenhouse gas emissions;
- have the knowledge and technical ability to assess and advise on carbon management;

### **Organisation**

**Duration : 2 years - ECTS : 120 credits**

**Bilingual Program (French and English) or Only in English**

1 <sup>st</sup> YEAR	1 <sup>st</sup> Semestre	Ects	2 <sup>nd</sup> Semestre	Ects
	3CM 311 - Climate Change Science	4	3CM 321 - Methods for Environmental Decision-Making	4
	3CM 312 - Climatology	4	3CM 322 - Resource & Environmental Economics	4
	3CM 313 - Group Development Workshop	4	3CM 323 - Carbon Auditing & Management	4
	3CM 314 - Climate Change Policy Economics	4	3CM 324 - Dissertation Methods	4
	3CM 315 - Theory and Principles of Sustainability	4	Choose 1 major course	9
	3CM 316 - Environmental Policy	4		
	3CM 317 - Sustainability and Corporate Social Responsibility,	4		
	LAN 318 - Language	2	Internship of 3 Months	5
60 ECTS				

2 <sup>nd</sup> YEAR	3 <sup>rd</sup> Semestre	Ects	4 <sup>th</sup> Semestre	Ects
	3CM 411 - World Energy Resources and Renewable Technologies	4	Internsip of 6 Months	30
	3CM 412 - Government, Markets and Global Change	4		
	3CM 413 - Management of Sustainable Development	4		
	Choose 1 major course	12		
	LAN 414 - Language	2		
	60 ECTS			

Choose 1 major course from the following topics:

- Carbon Storage and Monitoring
- Carbon Markets and Carbon Finance
- Climate Change Impacts and Adaptation
- Climate Change Management
- Environment & Climate Change Law

### 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**