

Parcours Sustainable cities and communities / Villes et communautés durables

Niveau de diplôme
Bac +5

ECTS
120 crédits

Durée
2 ans

Composante
**Université
de Poitiers**

Langue(s)
d'enseignement
Anglais

Présentation

Are you interested in growing your expertise in the domains of environment, energy and urban planning?

This Master's programme is launched in the framework of the EC2U Erasmus+ Project. As a joint program between the Universities of Coimbra, Poitiers and Turku focused on the challenges of the Sustainable Development Goal 11 « Sustainable Cities and Communities », it aims at training future national and international professionals in the fields of environment, energy, urban planning and natural resources.

The Master in Sustainable Cities and Communities provides students with the opportunity to study abroad and gain multicultural experiences, since each participating University will host one curricular semester.

Visit this page for more information:
<https://ec2u.eu/for-students/ec2u-master-programmes/sustainable-cities-and-communities/>

Objectifs

The EU's existing and planned policy plans and targets in the area of Sustainable Development (for example, the "Green Deal", launched by the President of the European

Commission, Ursula von der Leyen) will imply the need for many experts with expertise in Sustainability area. The transition to a Green Economy will mean a huge change in the way of thinking, planning and living in cities, communities, companies and other institutions. MSC&C is expected to enable people, with diverse initial backgrounds, to respond to new challenges. These will be placed in the areas of environmental threats, the scarcity of energy resources, ecological degradation, climate change, the circular economy and will require professionals and researchers who master matters and interrelations between essential themes for the analysis of systems with great importance in the use of energy and in the relationship with the environment.

Formation internationale : Doubles diplômes, diplômes conjoints, Erasmus Mundus

Organisation

Stages

Stage : Obligatoire

Durée du stage : 6 months

Stage à l'étranger : Possible

Durée du stage à l'étranger : 6 months

Master thesis

Admission

Conditions d'admission

To enter the master program, candidates must have a Bachelor degree in one of the following areas: exact and natural sciences, life sciences, earth sciences, engineering, architecture, economics and management, and other social sciences relevant for the sustainable cities theme, or have a scientific technical curriculum that can be assessed equivalent to the bachelor's degree in areas similar to those previously listed.

The recognition of training obtained in higher education institutions, domestic or foreign, as well as professional experience is possible, provided they are considered appropriate and consistent with the scientific content of the study cycle. The training previously obtained must be properly proven and can be reflected in the allocation of equivalencies for curricular units of the study cycle. The process of recognition and its limits in terms of ECTS are laid out in the Regulation for Recognition of Prior Studies and Professional Experience of the University of Coimbra.

Et après

Poursuite d'études

PhD

Infos pratiques

Contacts

Responsable pédagogique

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Lieu(x)

Poitiers-Campus

Programme

Mode full (title / type / CM / TD / TP / credits)

M1 Master Sustainable cities and communities / Villes et communautés durables

Semestre 1

	Nature	CM	TD	TP	Crédits
First semester in Coimbra	BLOC				30 crédits

Semestre 2

	Nature	CM	TD	TP	Crédits
Second semester in Turku	BLOC				30 crédits

M2 Master Sustainable cities and communities / Villes et communautés durables

Semestre 3

	Nature	CM	TD	TP	Crédits
Scientific writing and communication	UE				6 crédits
Scientific communication	EC	8h			
Practicum - EC	EC		10h		
Dissertation project	UE				6 crédits
Elective course	BLOC				18 crédits
Societal and Environmental transitions	UE				6 crédits
Transitions environnementales et dynamiques paysagères	EC	15h			
Expérimentation des transitions	EC	14h	6h		
Fondamentaux des transitions (approfondissement)	EC	14h	6h		
Enhancement of natural spaces	UE				6 crédits
Energy assessment and diagnostics	UE				6 crédits
Systems	UE				6 crédits
Systèmes	EC		33h	15h	
Transfert de chaleur - Conduction	EC		22,5h		
Heat exchange	UE				6 crédits
Transfert de chaleur - Convection	EC		13,5h		
Estimation	EC		18h		
Transfert de chaleur - Echangeurs	EC		12h	15h	
Mathematics and automatic control	UE				6 crédits
Estimation et séries temporelles	EC	10,5h	24h		

Méthodes numériques 2 (EAT)	EC	9h	6h	15h	
Public spaces and Urban landscape in Sustainable cities	UE	30h			6 crédits
Public spaces and Urban landscape in Sustainable cities	EC				3 crédits
Participation to an autumn school / open lecture	EC				3 crédits

Semestre 4

	Nature	CM	TD	TP	Crédits
Master thesis	UE				30 crédits

UE = Unité d'enseignement

EC = Élément Constitutif