

Master Science de la durabilité

Niveau de diplôme
Bac +5

ECTS
120 crédits

Durée
2 ans

Composante
**Université
de Poitiers**

Langue(s)
d'enseignement
Anglais

Parcours proposés

- # Parcours Sustainable cities and communities / Villes et communautés durables

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 European Union's policy plans and targets for Sustainable Development together with the United Nations' Sustainable Development Goals (SDG) are creating a demand for an ever larger number of experts in Sustainability areas.

Focused on the SDG 11, the EC2U Joint Master's Degree "Sustainable Cities and Communities" is a 2-year Master's Programme (4 semesters, 30 ECTS each, 120 ECTS in total) that aims to train future national and international professionals with diverse backgrounds in the fields of environment, energy, urban planning and natural resources. This degree is aligned with professional practice and will ensure that students develop instrumental skills in analysis and synthesis, solving and planning. Graduates will launch their career with **advanced knowledge in the field of sustainable cities and communities.**

Savoir-faire et compétences

This Master's Degree is offered jointly by three European universities which are rooted in the tradition of excellence:

- # University of Coimbra (Portugal)
- # University of Poitiers (France)
- # University of Turku (Finland)

In partnership with:

- # University of Pavia (Italy)
- # University of Jena (Germany)



– # University of Salamanca (Spain)

– # Alexandru Ioan Cuza University of Iasi (Romania)

These universities provide students with personalised attention throughout their studies and a unique campus and student life.

This Joint Master's Degree is tailored to students' needs and offers them the opportunity to personalise their learning path in an international environment.

Formation internationale : Doubles diplômes, diplômes conjoints, Erasmus Mundus

Dimension internationale

A new university to discover each semester!

The EC2U Campus provides students with the opportunity to study abroad, develop multicultural experiences, and expand their professional network. **Over the course of their learning journey, students will have the opportunity to study in up to 4 of the 7 EC2U universities.**

A degree tailored to students' needs

Students will be able to personalise their curriculum: they will choose their study plan in accordance with the course catalogue provided by the universities they'll be studying at.

Organisation

Contrôle des connaissances

Les modalités de contrôles des connaissances des semestres réalisés dans un des établissements partenaires dépendent des règlements spécifiques de chaque partenaire. Les semestres 1, 2 et 4 se font dans les Universités partenaires.

Stages

Stage : Obligatoire

Durée du stage : 6 months for the Master thesis

Stage à l'étranger : Possible

Durée du stage à l'étranger : 6 months for the Master thesis

Admission

Conditions d'admission

Students may apply via # **this platform** (hosted by the University of Coimbra)

	Application periods	Rankings/ Admission	Registration
For EU & non-EU students	March 1st – March 31st	May 4th	May 5th – May 12th
	June 1st – July 15th	September 1st	September 2nd – September 9th



The Global Academic Board might consider the opportunity to open a late call in the event that seats are still available.

Policy or decision-maker at the urban level

Pour qui ?

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.

Capacité maximum

20

Et après

Poursuite d'études

PhD

Insertion professionnelle

The learning outcomes are valued by employers, and this programme equips students for a wide range of careers:

Eco-consultant,

Manager in sustainable development,

Teacher-researcher,

Urban planner,

Architecture and/or engineering practitioner,

Infos pratiques

Contacts

Responsable de la mention

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Lieu(x)

Poitiers-Campus

Programme

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

Parcours Sustainable cities and communities / Villes et communautés durables

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