Université Paris-Saclay

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Add to Compare

M2 Prospective Modelling: Economics, Environment, Energy

Master's degree

Specialisation Environmental, Energy and Transport Economics

Enrolment type

Formation initiale

Formation en apprentissage

Formation continue

Language(s) of instruction

English

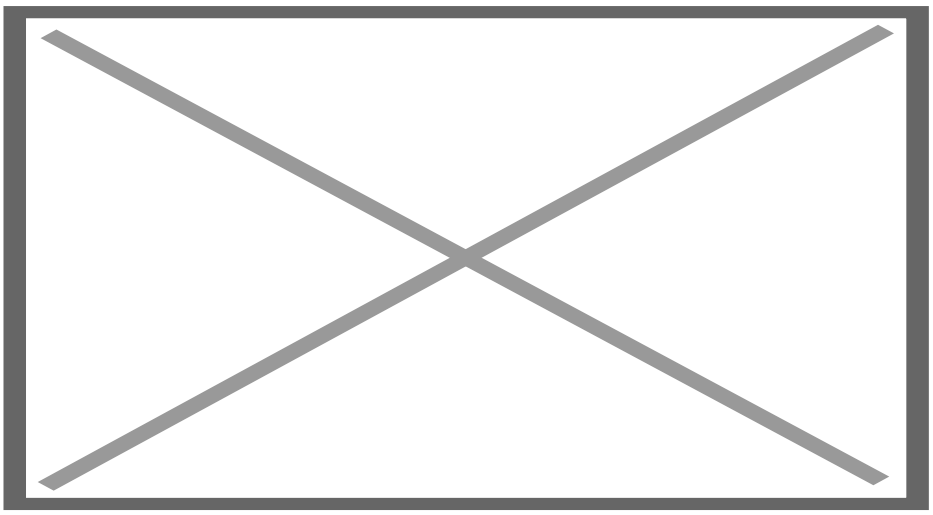
French

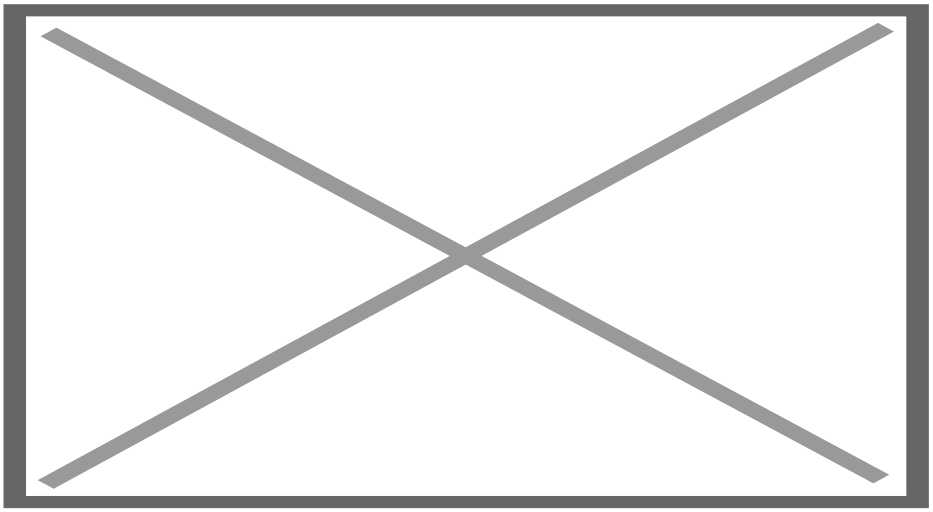
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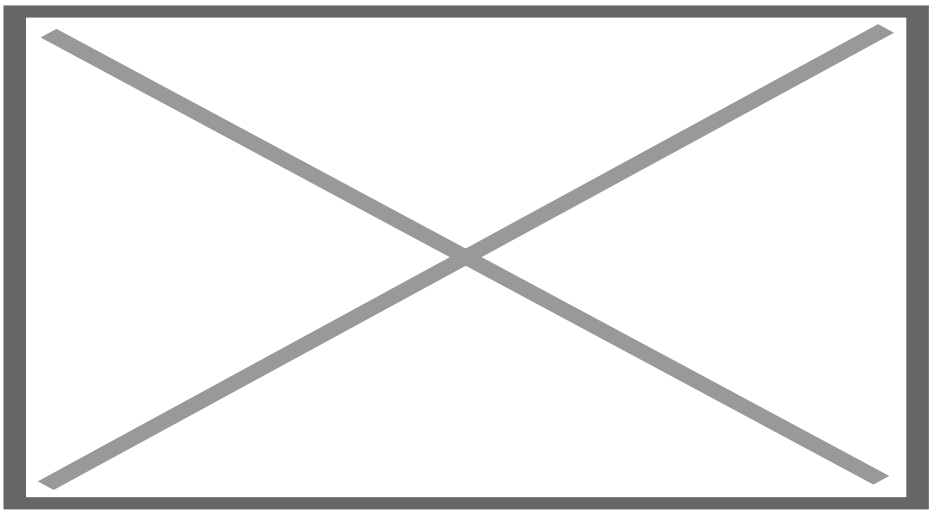
Two semesters

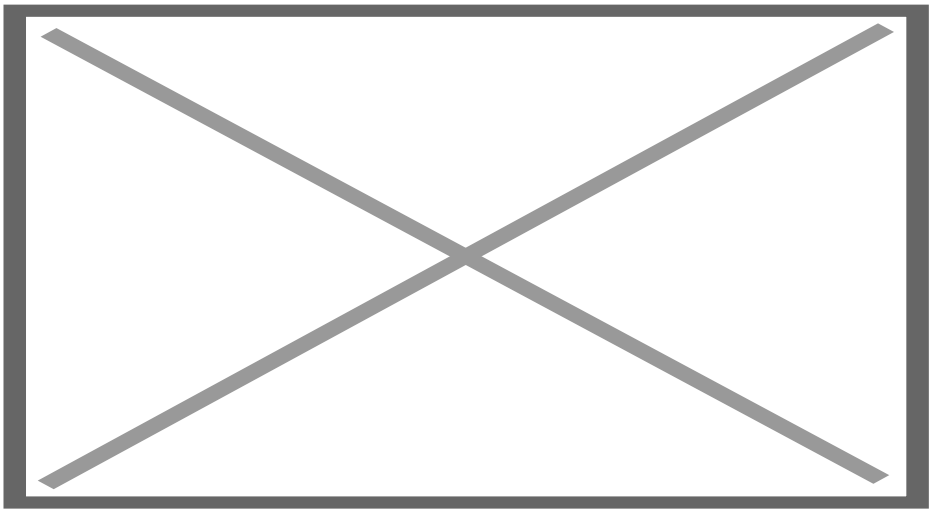
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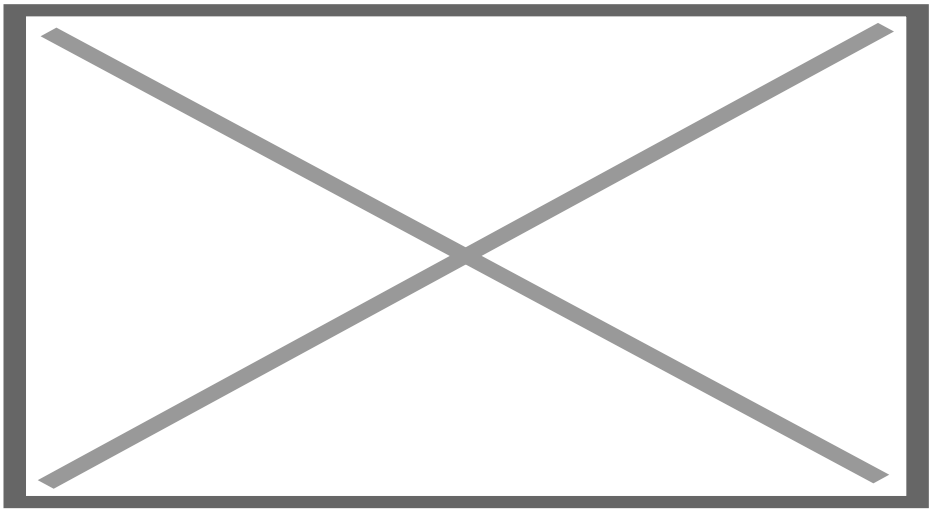
Apply Now











Information

- Overview
- Application requirements
- Schedule

Présentation

Skills

Students must be able to carry out prospective modelling and impact studies using integrated energy-environment-economy models.

Objectives

The objective of the "Foresight Modeling: Economy, Environment, Energy" course in the "Environmental, Energy and Transport Economics" major is to offer training dealing with all the questions of modeling questions. energy, climate and natural resources, in particular from the perspective of foresight on climate, energy and the environment.

Calendar

Start of programme (indicative date)
01/09/2026
Admission

Capacity

Available Places

12

Target Audience and Entry Requirements

Bac + 4 economics, Engeneering Business School, etc.

Période(s) de candidature

Inception Platform

From 15/03/2026 to 01/06/2026

Supporting documents

Compulsory supporting documents

Motivation letter.

All transcripts of the years / semesters validated since the high school diploma at the date of application.

Certificate of English level.

Curriculum Vitae.

Detailed description and hourly volume of courses taken since the beginning of the university program.

Additional supporting documents

Rank of previous year and size of the promotion.

Certificate of French (compulsory for non-French speakers).

Level B2 : Non native french speakers, a knowledge certificate issued by the French Embassy or a French language center. Students holding a French diploma or a diploma instructed in French are exempt from that obligation

VAP file (obligatory for all persons requesting a valuation of the assets to enter the diploma).

Document indicating the list of local M2 choices available here : https://urlz.fr/i3Lo.

Supporting documents :
- Residence permit stating the country of residence of the first country

- Or receipt of request stating the country of first asylum
- Or document from the UNHCR granting refugee status
- Or receipt of refugee status request delivered in France
- Or residence permit stating the refugee status delivered in France
- Or document stating subsidiary protection in France or abroad
- Or document stating temporary protection in France or abroad.

Programme

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
Refresher in Statistics and Probability	0	Semester 1	24					
Charger le détail								
Refreshers course in microeconomics	0	Semester 1						
Charger le détail								
Macroeconomics	0	Semester 1						
Charger le détail								
Sciences de l'environnement et de l'énergie (MP)	0	Annualisé	6					
Charger le détail								

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
Economic Models, Environmental Issues, and Innovation	3	Semester 1	20					
Charger le détail								
Non-market valuation methods	3	Semester 1	20					
Charger le détail								
Advanced natural resource economics	3	Semester 1	20					
Charger le détail								

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
Economie de la transition écologique	3	Semestre 1	20					
Charger le détail								
Econometrics	3	Semester 1						
Charger le détail								
Sustainable growth and degrowth	3	Semester 1	20					
Charger le détail								
UE libre "Fondamentaux" dans le cursus Ingénieur CentraleSupélec, ENSAE, Mines, ENPC, ENSAE	3	Semestre 1	20					
Charger le détail								
Environmental policy instruments	3	Semester 1	20					
Charger le détail								
Econometrics: Concepts and Applications (MP)	3	Semester 1	13	8				
Charger le détail								

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	di le c
Modelling project	2	Semester 1							
Charger le détail									
Practice of integrated assessment modelling	2	Semester 1			20				
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	di le c
Energy-Environment-Economy modelling : fundamentals	3	Semester 1	20						
Charger le détail									
Elements of Integrated modelling	3	Semester 1	20						
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
UE libre "Méthodes" dans le cursus ingénieur CentraleSupélec, ENSAE, ENPC, Mines	2	Semestre 1	20					
Charger le détail								
Ecological Accounting	2	Semester 1	20					
Charger le détail								
Computable general equilibrium modeling	2	Semester 1						
Charger le détail								
Investing in an uncertain environment	2	Semester 1	20					
Charger le détail								
Economics of risk and uncertainty	2	Semester 1	20					
Charger le détail								

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class

UE libre "Thématiques" dans le cursus ingénieur CentraleSupélec, ENPC, ENSAE, Mines	2	Semestre 1	20		
Charger le détail					
Economics of agriculture and bioenergy	2	Semester 2	20		
Charger le détail					
Economics and water policies	2	Semester 1	20		
Charger le détail					
Forest economics	2	Semester 1	20		
Charger le détail					
Economics and management of biodiversity and ecosystem services	2	Semester 1	10	10	
Charger le détail					
Applied environmental economics and policy: Case studies	2	Semester 1	20		
Charger le détail					
Climate economics	2	Semester 1			
Charger le détail					

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practi class
UE libre "Formation par la recherche" dans le cursus ingénieur CentraleSupélec, ENSAE, ENPC, Mines	2	Semestre 1	20					

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practi class
Charger le détail Régulations Environnementales	2	Semestre 2	20					
Charger le détail Quantitative methods in economics: Applications to agriculture and climate change	2	Semester 2	20					
Charger le détail The environment and international trade	2	Semester 2	20					
Charger le détail Applied econometrics for behavioral and experimental economics	2	Semester 2	20					
Charger le détail Théorie des contrats et incitations	2	Semestre 2	20					
Charger le détail Green Finance (MP)	2	Semester 2	20					
Charger le détail Econometric evaluation of public policies: recent extensions of difference-in-difference methods (MP)	2	Semester 2	20					
Charger le détail								

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class

Cycle de vie des produits et économie circulaire	1.5	Semestre 2	20						
Charger le détail									
Economics and nature: interdisciplinary approaches	1.5	Semester 2	15						
Charger le détail									
Law of renewable energy	1.5	Semester 2	15						
Charger le détail									
UE libre d'ouverture dans le cursus ingénieur CentraleSupélec, ENSAE, ENPC ou Mines.	1.5	Semestre 2	20						
Charger le détail									
Negociation seminar	1.5	Semester 2		12					
Charger le détail									
Subjects	**ECTS**	**Semester**	**Lecture**	**directed study**	**practical class**	**Lecture/directed study**	**Lecture/practical class**	**directed study/practical class**	**distar learn cou**
Validation TOEIC, TOEFL ou équivalent	1	Semestre 2							
Charger le détail									
Anglais (cursus classique)	1	Semestre 2		17					
Charger le détail									
English	1	Semester 2		17					
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distan learni cours
Mémoire de master	20	Semestre 2							

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practica class
Refresher in Statistics and Probability	1	Semester 1	24					

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practica class
Sciences de l'environnement et de l'énergie (MP apprentissage)	1	Semestre 1	6					

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practica class
Macroeconomics	1	Semester 1	24					

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practica class
Refreshers course in microeconomics	1	Semester 1	18					

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	d l
Econometrics	3	Semester 1	13	7					

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
Non-market valuation methods	3	Semester 1	20					

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
Advanced natural resource economics	3	Semester 1	20					

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	d l
Economie de la transition écologique	3	Semestre 1	20						
Charger le détail									
Sustainable growth and degrowth	3	Semester 1	20						
Charger le détail									
Environmental policy instruments	3	Semester 1	20						
Charger le détail									
Econometrics: Concepts and Applications (MP Appr)	3	Semester 1	13	8					
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dis lea c
Economics of agriculture and bioenergy	2	Semester 2	20						
Charger le détail									
Economics and water policies	2	Semester 1	20						
Charger le détail									
Forest economics	2	Semester 1	20						
Charger le détail									
Economics of risk and uncertainty	2	Semester 1	20						
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dis lea c
Applied econometrics for behavioral and experimental economics	2	Semester 2	20						

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	di le c
Practice of integrated assessment modelling	2	Semester 1			20				

Charger le détail

Energy-Environment-Economy modelling : fundamentals	3	Semester 1	20						

Charger le détail

Elements of Integrated modelling	3	Semester 1	20						

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
Negociation seminar	1.5	Semester 2	9					

Charger le détail

Law of renewable energy	1.5	Semester 2	24					

Charger le détail

System life cycle and circular economy	1.5	Semester 2	20					

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
Economics and nature: interdisciplinary approaches	1.5	Semester 2	15					

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	d l
Période en entreprise (cursus apprentis)	10	Semestre 2							

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
Mémoire de master et soutenance orale devant jury (cursus apprentissage)	20	Semestre 2						

Charger le détail

Teaching Location(s)

NOGENT SUR MARNE
PALAISEAU

Contact

- **Jean-Christophe BUREAU**
- **Julien Lefevre**

http://www.universite-paris-saclay.fr/formation/master/economie-de-lenvironnement-de-lenergie-et-des-transports/m2-modelisation-prospective-economie-environnement-energie