

**MASTER OF SCIENCE IN APPLIED ECONOMICS (MSCAPEC)**  
**MASTER OF SCIENCE EN ÉCONOMIE APPLIQUÉE**  
**90 ECTS**

From the academic year 2022-2023

OPTIONAL MAJOR IN : ENERGY AND ENVIRONMENTAL POLICY / DATA SCIENCE

Code	MSCAPEC	Instructor	ECTS	Semester	H/week	Grading policy	Status
<b>Module : Economic tools in practice</b>							
5ER2028	Microeconomic Policy	<i>M. Farsi</i>	6	Autumn	4	E	Compulsory
5ER2050	Behavioral Economics	<i>S. Kandul</i>	3	Autumn	2	EI+E	Compulsory
5EN2022	Social Policy	<i>D. Ilić ; T. Brändle</i>	3	Autumn	2	EI+E	Compulsory
5ER2041	Empirical Research	<i>M. Pecoraro</i>	3	Autumn	2	EI+E	Compulsory
5ER2043	International Economics and Trade Policy	<i>M. Bacchetta ; J.-A. Monteiro</i>	3	Spring	2	E	Compulsory
5ER2010	Economics of Regulation	<i>B. Rime</i>	3	Spring	2	E	Compulsory
5ER2019	Political Economy	<i>P. Fortunato</i>	3	Spring	2	E	Compulsory
5ER2042	Topics in Development Economics	<i>J.-M. Grether ; M.-L. Alzua</i>	3	Spring	2	EI+E	Compulsory
<b>Module : Quantitative methods (min. 12 ECTS)</b>							
5ST2001	Econometrics	<i>C. Starica</i>	6	Autumn	4	EI+E	Compulsory <sup>1</sup>
5AF2017	Applied Macroeconometrics	<i>D. Kaufmann</i>	6	Autumn	4	EI+E	Compulsory <sup>1</sup>
5ER2020	Applied Microeconometrics	<i>B. Lanz</i>	6	Spring	4	EI+E	Compulsory <sup>1</sup>
<b>Electives<sup>2</sup></b>							
5ER2017	Global Public Goods <sup>a)</sup>	<i>J.-M. Solleder</i>	3	Autumn	2	E	Elective
5ER2016	Public Policy Evaluation <sup>a)</sup>	<i>A. Rom ; D. Kistler</i>	3	Autumn	2	EI+E	Elective
5MI2017	Data Management <sup>b)</sup>	<i>I. Ciorascu</i>	6	Autumn	4	EI+E	Elective
5ER2051	Health Economics and Policy	<i>J. Marti ; A. Meier</i>	3	Autumn	2	EI	Elective
5MI2012	Computational Thinking <sup>b)</sup>	<i>A. Holzer</i>	3	-	1 week	EI	Elective
5ER2032	Energy Economics <sup>a)</sup>	<i>M. Farsi</i>	3	Spring	2	EI	Elective
5ER2023	Environmental Economics <sup>a)</sup>	<i>N. Mathys</i>	3	Spring	2	E	Elective
5ZZ2011	Innovation and Technology Policies <sup>a)</sup>	<i>A. Mack</i>	3	Spring	2	EI+E	Elective
5MI2018	Machine Learning <sup>b)</sup>	<i>I. Ciorascu</i>	6	Spring	4	EI+E	Elective
5ER2048	Monetary Policy in a New Era	<i>F. Canetg</i>	3	Spring	2	EI	Elective
<b>Total</b>			<b>60</b>				
	Master thesis or internship thesis <sup>c)</sup>		30				
<b>GRAND TOTAL</b>			<b>90</b>				

<sup>a)</sup> Required to obtain a major in "Energy and Environmental Policy".

<sup>b)</sup> Required to obtain a major in "Data Science".

<sup>c)</sup> To obtain a major, the thesis must be written on a topic that is relevant for the targeted major.

<sup>1</sup> Minimum 12 ECTS among these three courses.

<sup>2</sup> Students select elective courses in order to complete the required total of 60 ECTS. Elective courses that are not listed above require the program director's prior approval.

Retake exam after 1 failure: unless otherwise specified in the course description, 2h written exam during the exam session at the end of the semester or the September session.

**The detailed terms of evaluation are specified in the course descriptions**

E: written exam during the exam session at the end of the semester

EI: evaluation organized during the semester

**Modalités d'inscription et conditions de réussite :**

Règlement d'études et d'exams des Masters of Science en sciences économiques, du 6 mai 2019, état au 1<sup>er</sup> septembre 2019.

<http://www.unine.ch/mscapec>