

**MASTER OF SCIENCE IN APPLIED ECONOMICS (MScAPEC)**

**MASTER OF SCIENCE EN ÉCONOMIE APPLIQUÉE**

OPTIONAL MAJOR IN : ENERGY AND ENVIRONMENTAL POLICY / DATA SCIENCE

**90 ECTS**

MScAPEC	Instructor	ECTS	H/week	Grading policy
<b>Autumn semester (A)</b>				
<b>Compulsory courses</b>				
Macroeconomic Policy	Kaufmann D.	6	4	EI+E
Microeconomic Policy	Farsi M.	6	4	E
Economic Statistics	Zarin M.	3	2	E
Econometrics	Starica C.	6	4	EI+E
Empirical Research I	Kandul S.	3	2	EI+E
<b>Elective courses I<sup>1</sup></b>				
Public Policy Evaluation <sup>a)</sup>	Weber S.	3	2	EI+E
Global Public Goods <sup>a)</sup>	Masood Dechevrens M.	3	2	E
Data Management <sup>b)</sup>	Simon E.	6	4	EI+E
<b>Elective courses II<sup>1</sup></b>				
<b>Total for the semester</b>		<b>24-36</b>	<b>16-24</b>	
<b>Spring semester (S)</b>				
<b>Compulsory courses</b>				
Applied Econometrics	Lanz B.	6	4	EI+E
International Economics and Trade Policy	Bacchetta M. and Monteiro J.-A.	3	2	E
Economics of Regulation	Rime B.	3	2	E
Political Economy	Fortunato P.	3	2	E
Empirical Research II	Grether J.-M., Alzúa M.-L. and Cicowiez M.	3	2	EI+E
<b>Elective courses I<sup>1</sup></b>				
Energy Economics <sup>a)</sup>	Farsi M.	3	2	EI
Public Finance <sup>a)</sup>	Zarin M.	3	2	E
Environmental and Resource Economics <sup>a)</sup>	Mathys N.	3	2	E
Computational Thinking <sup>b)</sup>	Holzer A.	3	1 week <sup>2</sup>	EI
Machine Learning <sup>b)</sup>	Ciorascu I.	6	4	EI+E
<b>Elective courses II<sup>1</sup></b>				
Innovation and Technology Policies	Mack A.	3	2	EI+E
Monetary Policy in a New Era	Canetg F.	3	2	EI
Social Policy	Pacheco D.	3	2	EI+E
International Monetary System	Siviero A. and Stuart R.	3	2	E
<b>Total for the semester</b>		<b>18-36</b>	<b>12-24</b>	
<b>Total</b>		<b>60</b>		
<b>Master thesis or internship thesis<sup>c)</sup></b>		<b>30</b>		
<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> 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.

<sup>2</sup> One-week workshop organised the week before the beginning of spring semester.

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

EI: evaluation organized during the semester

Retake exam after 1 failure or a justified absence: written exam during the September session or the exam session at the end of the next semester the course is offered. *The detailed terms of evaluation and duration of exams are specified in the course description.*

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

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

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