

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

**MASTER OF SCIENCE EN ÉCONOMIE APPLIQUÉE**

MAJOR IN: PUBLIC FINANCE AND REGULATION / ENERGY AND ENVIRONMENTAL POLICY / TRADE AND MIGRATION 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	Strimbu O.	6	4	E
Economic Statistics	Zarin M.	3	2	E
Econometrics	Starica C.	6	4	EI
Empirical Research I	Kandul S.	3	2	E
<b>Major courses<sup>1</sup></b>				
Public Finance <sup>a) b)</sup>	Schoenenberger A.	3	2	E
Political Economy <sup>a) c)</sup>	Fortunato P.	3	2	E
Global Public Goods <sup>b) c)</sup>	Leuba J.	3	2	E
Data Management <sup>d)</sup>	Ciorascu I.	6	4	EI
<b>Elective courses<sup>1</sup></b>				
<b>Total for the semester</b>		<b>24-39</b>	<b>16-26</b>	
<b>Spring semester (S)</b>				
<b>Compulsory courses</b>				
Applied Econometrics	Lanz B.	6	4	EI + E
Empirical Research II	Grether J.-M., Gasparini L. & Marchionni M.	3	2	EI + E
<b>Major courses<sup>1</sup></b>				
Trade Policy <sup>c)</sup>	Bacchetta M. & Monteiro J.-A.	3	2	E
Energy Economics <sup>b)</sup>	Weber S.	3	2	EI
Economics of Taxation <sup>a) b)</sup>	Zarin M.	3	2	E
Environmental and Resource Economics <sup>b)</sup>	Mathys N.	3	2	E
Economics of Regulation and Antitrust Policy <sup>a)</sup>	Rime B.	3	2	E
Social Policy <sup>a) c)</sup>	Pacheco D.	3	2	EI
Economics of Migration <sup>c)</sup>	Pecoraro M.	3	2	EI
Computational Thinking <sup>d)</sup>	Simon E.	3	1 week <sup>2</sup>	EI
Machine Learning <sup>d)</sup>	Ciorascu I.	6	4	EI
<b>Elective courses<sup>1</sup></b>				
Innovation and Technology Policies	Carraz R.	3	2	EI + E
International Monetary System	Siviero A./Zhang H.	3	2	EI
<b>Total for the semester</b>		<b>21-36</b>	<b>14-24</b>	
<b>Total</b>		<b>60</b>		
<b>Master thesis or internship thesis</b>		<b>30</b>		
<b>GRAND TOTAL</b>		<b>90</b>		

<sup>a)</sup> Required to obtain a major in "Public Finance and Regulation".

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

<sup>c)</sup> Required to obtain a major in "Trade and Migration Policy".

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

<sup>1</sup> Students select major courses and 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 27 mai 2008, état au 18 septembre 2018.

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