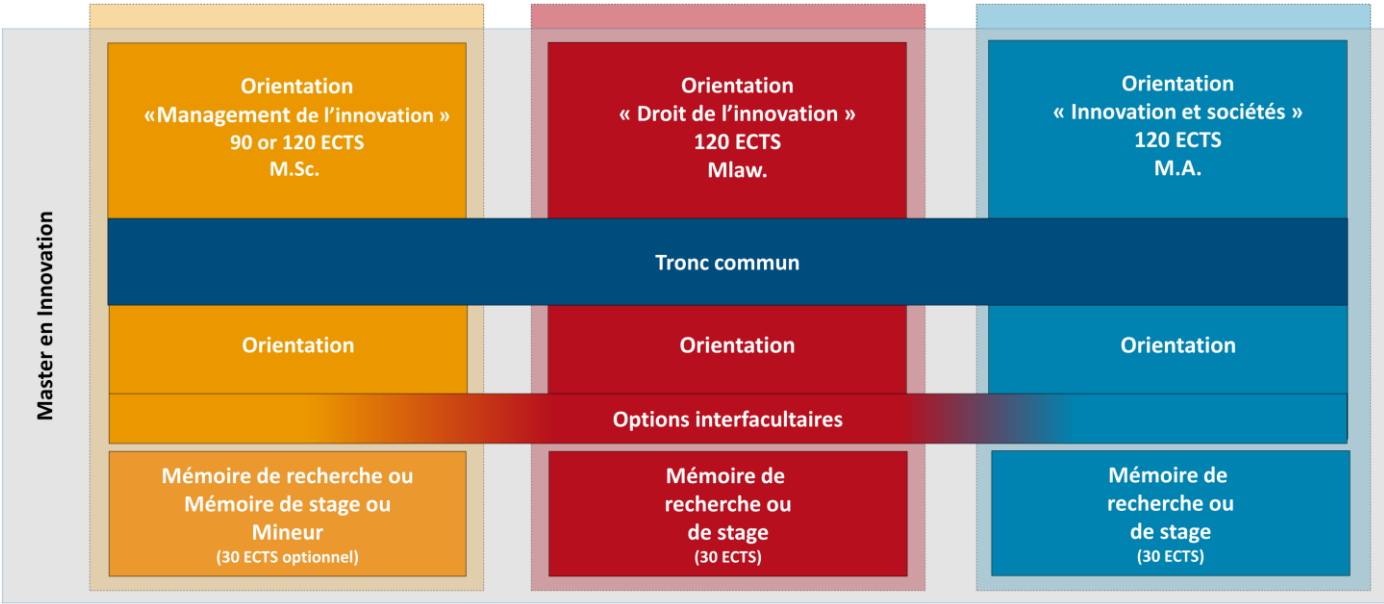


MASTER EN INNOVATION

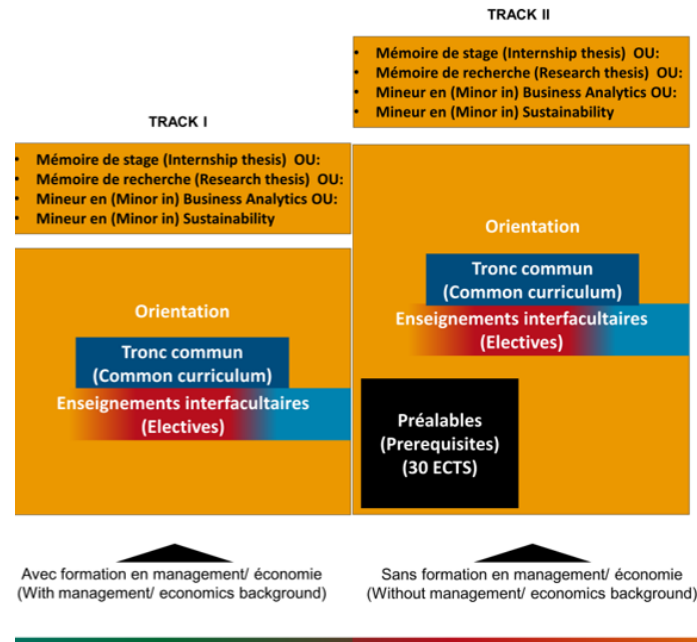


ACADEMIC YEAR 2023-2024

**MASTER OF SCIENCE EN INNOVATION (MSc)
 MASTER OF SCIENCE IN INNOVATION (MSc)
 Orientation
 MANAGEMENT DE L'INNOVATION
 INNOVATION MANAGEMENT**

90 or 120 ECTS

BILINGUAL PROGRAM – PROGRAMME BILINGUE



The «ANNEXE AU PLAN D'ÉTUDES DU MASTER OF SCIENCE (MSc) EN INNOVATION, ORIENTATION MANAGEMENT DE L'INNOVATION» forms integral part of the study plan.

MASTER OF SCIENCE EN INNOVATION (MSc)
MASTER OF SCIENCE IN INNOVATION
90 OR 120 ECTS
PE-TRACK I: DIRECT ACCESS

Course	Instructor/s	ECTS	Semester	H/week	Evaluation	Status
Semester 1						
<i>Tronc commun</i>						
Cours disciplinaire sur les théories de l'innovation	<i>Jeannerat H.</i>	3	Autumn	2	E	Compulsory
Cycles de conférences sur les enjeux contemporains de l'innovation				-		Compulsory
Cours/Séminaire d'histoire : Histoire de l'innovation	<i>Bernasconi G.</i>	3	Autumn	2	EI	Compulsory
<i>Orientation «innovation management»</i>						
Principes généraux de la propriété intellectuelle	<i>Kraus D.</i>	3	Autumn	3	E	Compulsory
Quantitative Methods in Management*	<i>Puntiroli M.</i>	6	Autumn	4	EI+E	Compulsory
Elective(s) (see LIST OF ELECTIVES)		9-15	Autumn			Elective
Total		24-30				
Semester 2						
<i>Tronc commun</i>						
Cours interdisciplinaire sur les théories de l'innovation	<i>Jeannerat H.</i>	3	Spring	2	E	Compulsory
Cycles de conférences sur les enjeux contemporains de l'innovation				-		Compulsory
Strategic Management of Technology & Innovation*	<i>Reuter E.</i>	3	Spring	2	EI	Compulsory
Séminaire interdisciplinaire en innovation contemporaine	<i>Jeannerat H.</i>	2	Spring	2	EI	Compulsory
Accompagnement juridique d'un projet d'entreprise	<i>Chappuis F.</i>	2	Spring	1	E	Compulsory
<i>Orientation «innovation management»</i>						
Global Corporate Governance and Ethics*	<i>Duberry J.</i>	3	Spring	2	EI	Compulsory
Innovation and Technology Policies*	<i>A. Mack</i>	3	Spring	2	EI+E	Compulsory
Le marketing social pour l'innovation sociale	<i>Bezençon V.</i>	6	Spring	4	EI	Compulsory
Global Innovation Management*	<i>Reuter E.</i>	6	Spring	4	EI+E	Compulsory
Operations Management*	<i>Zufferey N.</i>	3	Spring	2	EI	Compulsory
Qualitative Methods in Management*	<i>Khan U.</i>	3	Spring	2	EI	Compulsory
Elective(s) (see LIST OF ELECTIVES)		0-3				Elective
Total		34-37				

Course	Instructor/s	ECTS	Semester	H/week	Evaluation	Status
Semester 3						
<i>Tronc commun</i>						
Approches critiques de la mondialisation I	Crevoisier O.	5	Autumn	2	E	Compulsory
Innovation Process*	Reuter E.	3	Autumn	2	EI	Compulsory
<i>Orientation «innovation management»</i>						
Business Game I*	Jonczyk Sédès C	6	Autumn	-	EI	Compulsory
Business Game II*	Darouichi O./ Fauchart E.	6	Autumn	-	EI	Compulsory
Elective(s) (see LIST OF ELECTIVES)		3-12	Autumn			Elective
Total		23-32				
Total MScINNO - 90 ECTS		90				
Semester 4						
<i>Minor in Sustainability Management (see MINOR IN SUSTAINABILITY MANAGEMENT)</i>		30	Spring			
<i>Internship Thesis (min. 12 weeks with internship thesis)⁵</i>		30	Spring			
<i>Research Thesis</i>		30	Spring			
<i>Minor in Business Analytics (see MINOR IN BUSINESS ANALYTICS)</i>		30	Spring			
Total MScINNO - 120 ECTS		120	Spring			

⁵The duration of the internship is a minimum of 12 weeks full-time (3 months) and a maximum of 12 months (full-time or part-time).

MASTER OF SCIENCE EN INNOVATION (MSc)

MASTER OF SCIENCE IN INNOVATION

90 OR 120 ECTS

PE-TRACK II: WITH PREREQUISITES

Note: This study plan shows exemplary “prerequisites” (“passerelle supplémentaire”). The prerequisites do not form part of the Master-level study plan and are adapted to the student’s background. They constitute prerequisites that need to be fulfilled prior to accessing the Master. For instance, students with a bachelor from an Haute École Spécialisée (HES) have to fulfill 30 ECTS of prerequisites. As the study plan shows, some Master-level courses may be started already in parallel.

	Instructor/s	ECTS	Semester	H/week	Evaluation	Status
Semester 1						
Prerequisites						
Financial Accounting Fundamentals*	Euguster F./Stenzel A.	6	Autumn	4	EI+E	Compulsory
Strategic Management I*	Khan U.	3	Autumn	2	EI	Compulsory
Managerial Finance I*	Wälchli U.	3	Autumn	2	EI+E	Compulsory
Marketing Management*	Kocher B.	6	Autumn	4	EI+E	Compulsory
Quantitative Methods for Managers*	Cotofrei P.	6	Autumn	4	EI+E	Compulsory
Total Prerequisites		24				
<i>Tronc commun</i>						
Cours interdisciplinaire sur les théories de l'innovation	Jeannerat H.	3	Autumn	2	E	Compulsory
Cycles de conférences sur les enjeux contemporains de l'innovation			Autumn	-		Compulsory
Total		3				
Semester 2						
Prerequisites						
Managerial Finance II*	Wälchli U.	3	Spring	4	EI+E	Compulsory
Strategic Management II*	Jonczyk Sédès C	3	Spring	2	EI+E	Compulsory
Total Prerequisites		6				
<i>Tronc commun</i>						
Cours interdisciplinaire sur les théories de l'innovation	Jeannerat H.	3	Spring	2	E	Compulsory
Cycles de conférences sur les enjeux contemporains de l'innovation			Spring	-		Compulsory
Séminaire interdisciplinaire en innovation contemporaine	Jeannerat H.	2	Spring	2	EI	Compulsory
<i>Orientation «innovation management»</i>						
Global Corporate Governance and Ethics*	Duberry J.	3	Spring	2	EI	Compulsory
Innovation and Technology Policies*	A. Mack	3	Spring	2	EI+E	Compulsory
Le marketing social pour l'innovation sociale	Bezençon V.	6	Spring	4	EI	Compulsory
Global Innovation Management*	Reuter E.	6	Spring	4	EI+E	Compulsory
Qualitative Methods in Management*	Khan U.	3	Spring	2	EI	Compulsory
Elective(s) (see LIST OF ELECTIVES)		6	Spring			Elective
Total		32				

	Instructor/s	ECTS	Semester	H/week	Evaluation	Status
Semester 3						
<i>Tronc commun</i>						
Approches critiques de la mondialisation I	<i>Crevoisier O.</i>	5	Autumn	2	E	Compulsory
Cours/Séminaire d'histoire : Histoire de l'innovation	<i>Bernasconi G.</i>	3	Autumn	4	EI	Compulsory
Innovation process*	<i>Reuter E.</i>	3	Autumn	2	EI	Compulsory
<i>Orientation «innovation management»</i>						
Principes généraux de la propriété intellectuelle	<i>Kraus D.</i>	3	Autumn	2	E	Compulsory
Quantitative Methods in Management*	<i>Puntiroli M.</i>	6	Autumn	4	EI+E	Compulsory
Business Game I*	<i>Jonczyk Sédès C</i>	6	Autumn	-	EI	Compulsory
Business Game II*	<i>Darouichi O./ Fauchart E.</i>	6	Autumn	-	EI	Compulsory
Elective(s) (see LIST OF ELECTIVES)		0-3	Autumn			Elective
Total		32-35				
Semester 4						
<i>Tronc commun</i>						
Accompagnement juridique d'un projet d'entreprise	<i>Chappuis F.</i>	2	Spring	2	E	Compulsory
Strategic Management of Technology & Innovation*	<i>Reuter E.</i>	3	Spring	2	EI	Compulsory
<i>Orientation «innovation management»</i>						
Operations Management*	<i>Zufferey N.</i>	3	Spring	2	EI	Compulsory
Elective(s) (see LIST OF ELECTIVES)		12-15	Spring			Elective
Total		20-23				
Total Prerequisites		30				
Total MScINNO - 90 ECTS		90				
Semester 5						
<i>Minor in Sustainability Management (see MINOR IN SUSTAINABILITY MANAGEMENT)</i>		30	Autumn			
<i>Internship Thesis (min. 12 weeks with internship thesis)⁵</i>		30	Autumn			
<i>Research Thesis</i>		30	Autumn			
<i>Minor in Business Analytics (see MINOR IN BUSINESS ANALYTICS)</i>		30	Autumn			
Total MScINNO - 120 ECTS		120				

⁵The duration of the internship is a minimum of 12 weeks full-time (3 months) and a maximum of 12 months (full-time or part-time).

LISTE D'ENSEIGNEMENTS INTERFACULTAIRES¹
(LIST OF ELECTIVES)

	Instructor/s	ECTS	Semester	H/week	Evaluation
International Negotiation* (FSE)	Jagodzinska K.	3	Spring	2	EI
Culture, Human Resources and International Firms* (FSE)	Dal Zotto C.	3	Spring	2	EI
Human Resource Management and Leadership* ** (FSE)	Dal Zotto C.	6	Spring	4	EI
Marketing Analytics and Consumer Management * (FSE)	Puntiroli M. Christen M.	6	Spring	4	EI+E
ESG Disclosure* ³ (FSE)	Fiechter P.	3	Spring	2	EI
Corporate Finance* (FSE)	Salva C.	6	Spring	4	EI+E
Financial Analysis and Valuation* (FSE)	Salva C.	3	Spring	2	EI+E
Management Accounting and Control* ** (FSE)	Burkert M.	3	Spring	2	E
Business Analytics* (FSE)	Cotofrei I.	6	Spring	4	EI+E
Information System Design* ** (FSE)	Holzer A.	6	Spring	4	EI
Economics of Regulation* (FSE)	Rime B.	3	Spring	2	E
Energy Economics* (FSE)	Farsi M.	3	Spring	2	E
European Intellectual Property Law* (FD)	Kraus D.	4	Spring	2	E
Nom de domaine, droit d'auteur et Internet (FD)	Salvadé V.	4	Spring	2	E
Transferts de technologies et nouveaux modèles d'innovation (FD)	Jaccard M.	4	Spring	2	O
Séminaire thématique en innovation I: Module 09 (2223) La propriété intellectuelle dans la vraie vie - de l'idée au rayonnement (FD)	Kraus D.	4	Spring	-	Attestation
Approche critique de la mondialisation II (FLSH)	Crevoisier O.	5	Spring	2	E
Anthropological approaches to agro-environmental governance* (FLSH)	Forney J.	5	Spring	2	EI
Morale et marché (FLSH) (class taking place every two years)	Balsiger P.	5	Spring	2	EI
Qualitative and mixed methods in social work & social sciences*	B. Waldis	3	Spring	2	EI
Informations et médias numériques (FSE)	Pignard-Cheynel N.	3	Autumn	2	EI
Economic Analysis for Managers* ** (FSE)	Mack A.	6	Autumn	4	EI+E
Data Science for Business* (FSE)	Cotofrei I.	6	Autumn	4	EI+E
Data Management* (FSE)	Ciorascu I.	6	Autumn	4	EI+E
Global Supply Chain Management* (FSE)	Nieto Y.	6	Autumn	4	EI
International Strategy* (FSE)	Jonczyk Sédès C	6	Autumn	4	EI
Marketing and Globalization* (FSE)	Kocher B.	6	Autumn	4	E+EI
Changements sociaux et sociétés contemporaines (FLSH)	Balsiger P.	3	Autumn	2	E
Protection des données et transparence (FD)	Posse V.	2	Autumn	1	O
Propriété intellectuelle (sans procédure) (FD)	Alberini A./ Bauer Y.	6	Autumn	4	O
Fusions, acquisitions et restructurations d'entreprise (FD) (taught every two years, this course takes place in 2024-2025)	Hari O.	4	Autumn	2	O
Challenge Microcity***	Jeannerat H.	3	Autumn	-	
Psychologie des organisations	Bangerter A.	6	Autumn	4	E
Statistique appliquée à la psychologie et aux sciences sociales ** (TBC)	Tillé Y.	3	Autumn	2	E
Further elective courses can be chosen in other master programs at the Faculty of Economics and Business and/or comparable programs in other Swiss universities with approval of the program Director					
Please note that the optional courses may have different prerequisites.					

¹ The Minor courses are part of the elective courses for students who are not enrolled in the Minor."

Minor in Business Analytics¹ (30 ECTS from the below list)					
Course	Instructor/s	Semester	ECTS	H/week	Evaluation
Data Science for Business*	Cotofrei I.	Autumn	6	4	EI+E
Data Management*	Ciorascu I.	Autumn	6	4	EI+E
Programming*	Simon E.	Autumn	3	2	EI
Computational Thinking*	Holzer A.	Spring	3	1 week ²	EI
Business Analytics*	Cotofrei I.	Spring	6	4	EI+E
Machine Learning*	Ciorascu I.	Spring	6	4	EI+E
Elective(s) (see LIST OF ELECTIVES)			6		
Total			30		

¹To obtain the Minor in Business Analytics, minimum 30 ECTS need to be validated in the Minor in Business Analytics module. The Minor in Business Analytics validates the Master in innovation at 120 ECTS.

Prerequisites to the minor: The student attests to have fulfilled 15 ECTS in statistics, mathematics or information technology in the Master or Bachelor.

Minor in Sustainability Management² Mineur en Management de la Durabilité (30 ECTS from the below list)					
Course	Instructor/s	Semester	ECTS	H/week	Evaluation
Changements climatiques	M. Rebetez	Autumn	3	2	EI+E
Changements sociaux et sociétés contemporaines	Balsiger P.	Autumn	3	2	E
Global Public Goods ^{*3}	Solleder J.M.	Autumn	3	2	E
Public Policy Evaluation ^{*3}	Rom A.; Kistler D.	Autumn	3		EI+E
ESG Disclosure ^{*3}	Fiechter P.	Spring	3	2	EI
Environmental economics ^{*3}	Mathys N.	Spring	3	2	E
Finance Ethics ^{*3}	Fiole E.	Spring	3	2	E
Energy Economics ^{*3}	Farsi M.	Spring	3	2	E
Anthropological approaches to agro-environmental governance*	Forney J.	Spring	5	2	EI
Morale et marché	Balsiger P.	Spring (every 2 years)	5	2	EI
Changements climatiques et sociétés ⁴	Rebetez M, Grether J.-M., Lanz B., Fenley M., Kessler F., Rassman S., Turlings T., Hertz E., Piguët E., Bernasconi G., Défago V., di Stefano G., Bezençon V.	Spring	3	2	EI
Elective(s) (see LIST OF ELECTIVES)			6-11		

²To obtain the Minor in Sustainability Management, minimum 30 ECTS need to be validated in the Minor in Sustainability Management module. The Minor in Sustainability Management validates the Master in innovation at 120 ECTS.

³**Prerequisites to the course in the minor in Sustainability Management:** These courses can only be chosen by students who are registered in track I or by students who attest to have acquired a basic knowledge in micro- and macroeconomics.

⁴**Prerequisites to the course in the minor in Sustainability Management:** This course can only be chosen by students who have not yet validated the course in their bachelor studies at the University of Neuchâtel.

* Course taught in English

** These courses can only be chosen by students who are registered in track II as an elective (and not by students who are registered in track I).

*** This Challenge Microcité takes place before the start of the autumn semester: In 2023, it takes place from September 11th to 14th with a kick-off meeting in June. Registrations to the Challenge are possible in April/May via the following website: www.challenge-microcite.ch.

It is not possible to cumulate the Master in International Business Development or Master in General Management and the Master of Science in innovation.

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.