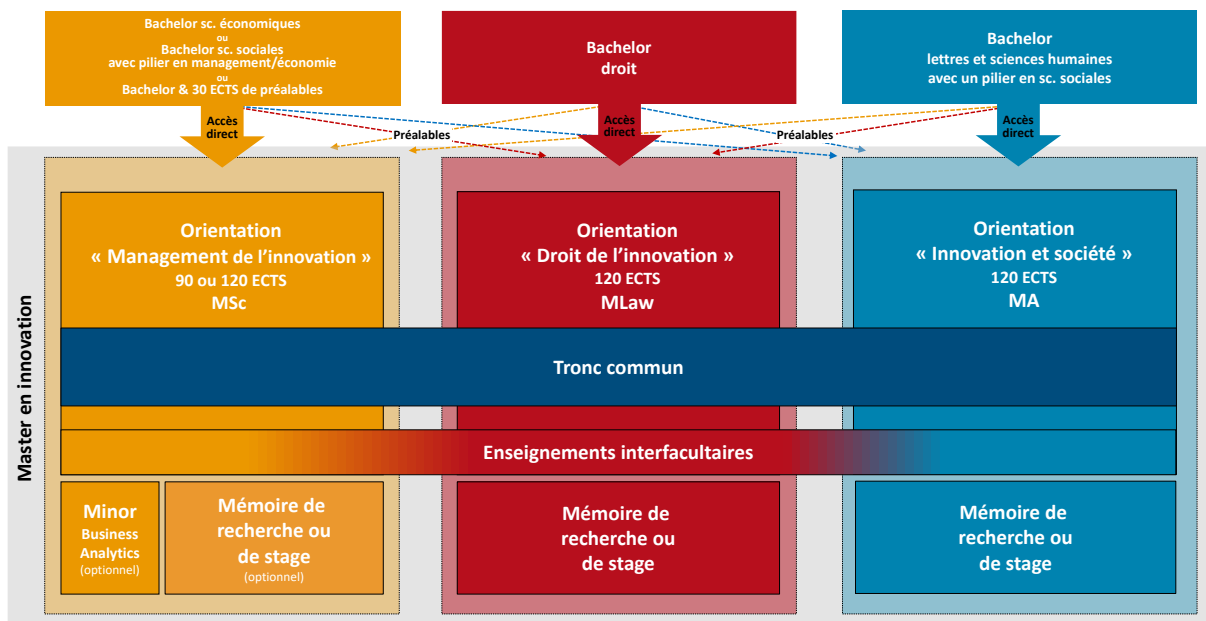
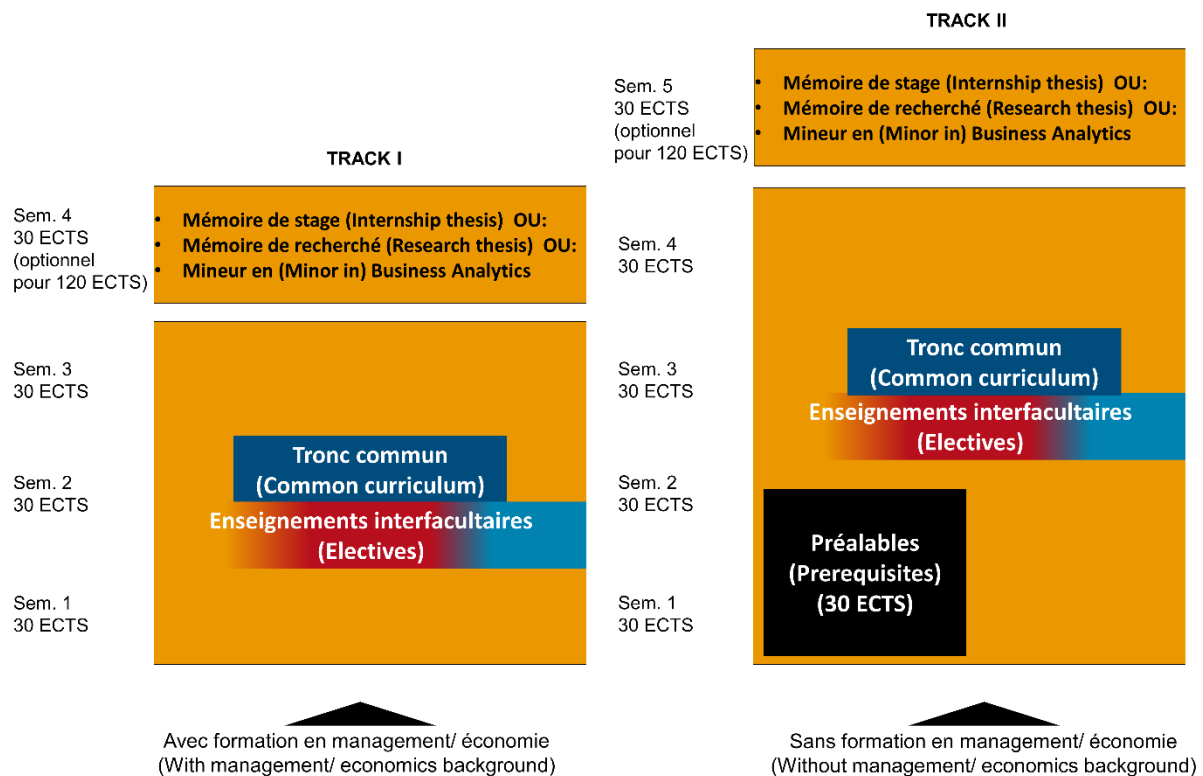


# MASTER EN INNOVATION



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

**ACADEMIC YEAR 2020-2021  
90 or 120 ECTS  
BILINGUAL PROGRAM – PROGRAMME BILINGUE**



L'«ANNEXE AU PLAN D'ÉTUDES DU MASTER OF SCIENCE (MSc) EN INNOVATION, ORIENTATION MANAGEMENT DE L'INNOVATION» fait partie intégrante du plan d'études.

**MASTER OF SCIENCE EN INNOVATION (MSc)**

**MASTER OF SCIENCE IN INNOVATION**

**90 OR 120 ECTS**

**TRACK I: STUDENTS WITH MANAGEMENT/ ECONOMICS BACKGROUND**

	Instructor/s	ECTS	H/week	Evaluation
<b>Semester 1 Autumn</b>				
<i>Tronc commun</i>				
Cours interdisciplinaires sur les théories de l'innovation	<i>Jeannerat H.</i>	3	2	E
Cycles de conférences sur les enjeux contemporains			-	
Cours/Séminaire d'histoire: Histoire de l'innovation	<i>Bernasconi G.</i>	5	2	EI
<i>Orientation «innovation management»</i>				
Principes généraux de la propriété intellectuelle	<i>Kraus D.</i>	3	3	E
Quantitative Methods in Management*	<i>Puntiroli M./ NN</i>	6	4	EI+E
Corporate Social Responsibility and Governance*	<i>Biedermann D.</i>	3	2	E
Elective(s) (see LIST OF ELECTIVES)		6-12		
<b>Total</b>		<b>26-32</b>		
<b>Semester 2 Spring</b>				
<i>Tronc commun</i>				
Cours interdisciplinaires sur les théories de l'innovation	<i>Jeannerat H.</i>	3	2	E
Cycles de conférences sur les enjeux contemporains de l'innovation			-	
Strategic Management of Technology & Innovation*	<i>Reuter E.</i>	3	2	EI
Séminaire interdisciplinaire en innovation contemporaine	<i>Jeannerat H.</i>	2	2	EI
Accompagnement d'un projet d'entreprise	<i>Chappuis F.</i>	2	1	E
<i>Orientation «innovation management»</i>				
Innovation and Technology Policies*	<i>Mack A.</i>	3	2	EI+E
Le marketing social pour l'innovation sociale	<i>Bezençon V.</i>	6	4	EI
Global Innovation Management*	<i>Reuter E.</i>	6	4	EI+E
Elective(s) (see LIST OF ELECTIVES)		6		
Operations Management*	<i>Zufferey N.</i>	3	2	EI
<b>Total</b>		<b>34</b>		
<b>Semester 3 Autumn</b>				
<i>Tronc commun</i>				
Approches critiques de la mondialisation I	<i>Crevoisier O</i>	5+1	2	E
Innovation Process*	<i>Reuter E.</i>	3	2	EI
<i>Orientation «innovation management»</i>				
Business Game*	<i>Jonczyk-Sédès C./ Darouichi O./ NN</i>	12	-	EI
Elective(s) (see LIST OF ELECTIVES)		3-9		
<b>Total</b>		<b>24-30</b>		
<b>Grand total</b>		<b>90</b>		
<b>Semester 4 Spring (Optional for 120 ECTS)</b>				
Internship (min. 12 weeks with report & Seminar: Qualitative Methods in Management) <b>OR</b> Research thesis (& Seminar: Qualitative Methods in Management) <b>OR</b> Minor in Business Analytics (see MINOR IN BUSINESS ANALYTICS)		<b>30</b>		

**MASTER OF SCIENCE EN INNOVATION (MSc)**

**MASTER OF SCIENCE IN INNOVATION**

**90 OR 120 ECTS**

**TRACK II: STUDENTS WITHOUT MANAGEMENT/ ECONOMICS BACKGROUND**

**Note:**

For reasons of the study plan's lisibility, the "prerequisites" ("passerelle supplémentaire") is shown on the study plan. The prerequisites do not form part of the Master-level study plan. They constitute prerequisites that need to be fulfilled to be able to access the Master. However, as the study plan shows, some Master-level courses can already be started in parallel.

	Instructor/s	ECTS	H/week	Evaluation
<b>Semester 1 Autumn</b>				
<b>Prerequisites</b>				
Financial Accounting Fundamentals*	<i>Dinh T./Stenzel A.</i>	6	4	EI+E
Strategic Management*	<i>Jonczyk-Sédès C./ Darouichi O.</i>	6	4	EI
Marketing Management*	<i>Kocher B.</i>	6	4	EI+E
Méthodes quantitatives pour managers	<i>Cotofrei P.</i>	6	4	EI+E
<i>Tronc commun</i>				
Cours interdisciplinaires sur les théories de l'innovation	<i>Jeannerat H.</i>	3	2	E
Cycles de conférences sur les enjeux contemporains			-	
<i>Orientation «innovation management»</i>				
Corporate Social Responsibility and Governance*	<i>Biedermann D.</i>	3	2	E
<b>Total</b>		<b>30</b>		

<b>Semester 2 Spring</b>				
<b>Prerequisites</b>				
Managerial Finance*	<i>Wälchli U.</i>	6	4	EI
<i>Tronc commun</i>				
Cours interdisciplinaires sur les théories de l'innovation	<i>Jeannerat H.</i>	3	2	E
Cycles de conférences sur les enjeux contemporains de l'innovation			-	
<i>Orientation «innovation management»</i>				
Innovation and Technology Policies*	<i>Mack A.</i>	3	2	EI+E
Le marketing social pour l'innovation sociale	<i>Bezençon V.</i>	6	4	EI
Global Innovation Management*	<i>Reuter E.</i>	6	4	EI+E
Elective(s) (see LIST OF ELECTIVES)		6		
<b>Total</b>		<b>30</b>		

<b>Semester 3 Autumn</b>				
<i>Tronc commun</i>				
Approches critiques de la mondialisation I	<i>Crevoisier O.</i>	5+1	2	E
Cours/Séminaire d'histoire: Histoire de l'innovation	<i>Bernasconi G.</i>	5	4	EI
Innovation process*	<i>Reuter E.</i>	3	2	EI
<i>Orientation «innovation management»</i>				
Principes généraux de la propriété intellectuelle	<i>Kraus D.</i>	3	2	E
Quantitative Methods in Management*	<i>Puntiroli M./ NN</i>	6	4	EI+E
Business Game*	<i>Jonczyk-Sédès C./ Darouichi O./ NN</i>	12	-	EI
<b>Total</b>		<b>35</b>		

<b>Semester 4 Spring</b>				
<i>Tronc commun</i>				
Accompagnement d'un projet d'entreprise	<i>Chappuis F.</i>	2	2	E
Séminaire interdisciplinaire en innovation contemporaine	<i>Jeannerat H.</i>	2	2	EI
Strategic Management of Technology & Innovation*	<i>Reuter E.</i>	3	2	EI
<i>Orientation «innovation management»</i>				
Operations Management*	<i>Zufferey N.</i>	3	2	EI
Elective(s) (see LIST OF ELECTIVES)		15		
<b>Total</b>		<b>25</b>		

<b>Grand total</b>	<b>90</b>
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<b>Semester 5 Autumn (Optional for 120 ECTS)</b>				
Internship (min. 12 weeks with report & Seminar: Qualitative Methods in Management) <b>OR</b>		<b>30</b>		
Research thesis (& Seminar: Qualitative Methods in Management) <b>OR</b>				
Minor in Business Analytics (see MINOR IN BUSINESS ANALYTICS)				

**LIST OF ELECTIVES  
 (LISTE D'ENSEIGNEMENTS INTERFACULTAIRES)**

	Instructor/s	ECTS	H/week	Evaluation
<b>List of Electives in Spring</b>				
Seminar: Qualitative Methods in Management* (FSE)	<i>Miedtank T.</i>	3	2	EI
International Negotiation* (FSE)	<i>Jagodzinska K.</i>	3	2	EI
Culture, Human Resources and International Firms* (FSE)	<i>Dal Zotto C.</i>	3	2	EI
Human Resource Management and Leadership* (FSE)	<i>Dal Zotto C.</i>	6	4	EI
Marketing Analytics* (FSE)	<i>Christen M.</i>	3	2	EI
Financial Analysis* (FSE)	<i>Fiechter P.</i>	3	2	EI
Corporate Finance* (FSE)	<i>Salva C.</i>	6	4	EI
Valuation* (FSE)	<i>Salva C.</i>	3	2	EI
Management Accounting and Control* (FSE)	<i>Burkert M.</i>	3	2	EI
Business Analytics* (FSE)	<i>Cotofrei I.</i>	6	4	EI
Enjeux des systèmes d'information (FSE)	<i>Holzer A.</i>	6	4	EI
Economics of Regulation* (FSE)	<i>Rime B.</i>	3	2	E
Energy Economics* (FSE)	<i>Farsi M.</i>	3	2	EI
Informations et médias numériques (FSE)	<i>Pignard-Cheynel N.</i>	3	2	EI
European Intellectual Property Law* (FD)	<i>Schurtz-Taylor J.</i>	4	2	E
Nom de domaine, droit d'auteur et Internet (FD)	<i>Salvadé V.</i>	4	2	E
Protection des données et transparence (FD)	<i>Ivanov D.</i>	2	1	E
Transferts de technologies et nouveaux modèles d'innovation (FD)	<i>Tissot N.</i>	4	2	E
Approche critique de la mondialisation II (FLSH)	<i>Crevoisier O.</i>	5	2	E
Anthropologie thématique : Environment and agri-food systems (FLSH)	<i>Forney J.</i>	5	2	EI
Sociologie des marchés : Marchés, Morale, Mouvements sociaux (FLSH) (class taking place every two years)	<i>Balsiger P.</i>	5	2	EI
<b>List of Electives in Autumn</b>				
Equity Research Contest* (FSE)	<i>Salva C.</i>	6	4	EI
Analyse économique pour managers (FSE)	<i>Mack A.</i>	6	4	EI+E
Data Science for Business* (FSE)	<i>Cotofrei I.</i>	6	4	EI
Economic Statistics* (FSE)	<i>Zarin M.</i>	3	2	E
Data Management* (FSE)	<i>Ciorascu I.</i>	6	4	EI+E
Global Supply Chain Management* (FSE)	<i>Nieto Y.</i>	6	4	EI
International Strategy* (FSE)	<i>Jonczyk-Sédès C.</i>	6	4	EI
Marketing et Globalisation (FSE)	<i>Kocher B.</i>	6	4	E+EI
Changements sociaux et sociétés contemporaines (FLSH)	<i>Balsiger P.</i>	4	2	E
Propriété intellectuelle (sans procédure) (FD)	<i>Tissot N.</i>	6	4	E
Fusions, acquisitions et restructurations d'entreprise (FD)	<i>Hari O.</i>	4	2	E
Séminaire thématique en innovation I : module 4 : La propriété intellectuelle en pratique (FD)	<i>Kraus D.</i>	4	-	Attestation
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.				
<b>Please note that the optional courses may have different prerequisites.</b>				

**MINOR IN BUSINESS ANALYTICS**

**(30 ECTS optional)**

	Instructor/s	Semester	ECTS	H/week	Evaluation
<b>Minor in Business Analytics<sup>1</sup></b> <b>(24 ECTS from the below list)</b>					
Data Science for Business*	<i>Cotofrei I.</i>	Autumn	6	4	EI
Data Management*	<i>Ciorascu I.</i>	Autumn	6	4	EI+E
Computational Thinking*	<i>Holzer A.</i>	Spring	3	1 week <sup>2</sup>	EI
Business Analytics*	<i>Cotofrei I.</i>	Spring	6	4	EI
Machine Learning*	<i>Ciorascu I.</i>	Spring	6	4	EI+E
Programming*	<i>Simon E.</i>	Spring	3	2	EI
<b>Total</b>			<b>24</b>		

<sup>1</sup>**Prerequisites:** The student needs to have fulfilled 12 ECTS in statistics, mathematics or information technology in the Master or Bachelor. To obtain the Minor in Business Analytics, 24 ECTS need to be validated in the Business Analytics module. The Minor in Business Analytics and 6 ECTS of electives (see List of Electives) validate the Master in innovation at 120 ECTS.

<sup>2</sup> Bloc course organized in the week before the start of the Spring semester.

\* Course taught in English

\*\* One-week workshop organised the week before the beginning of the spring semester