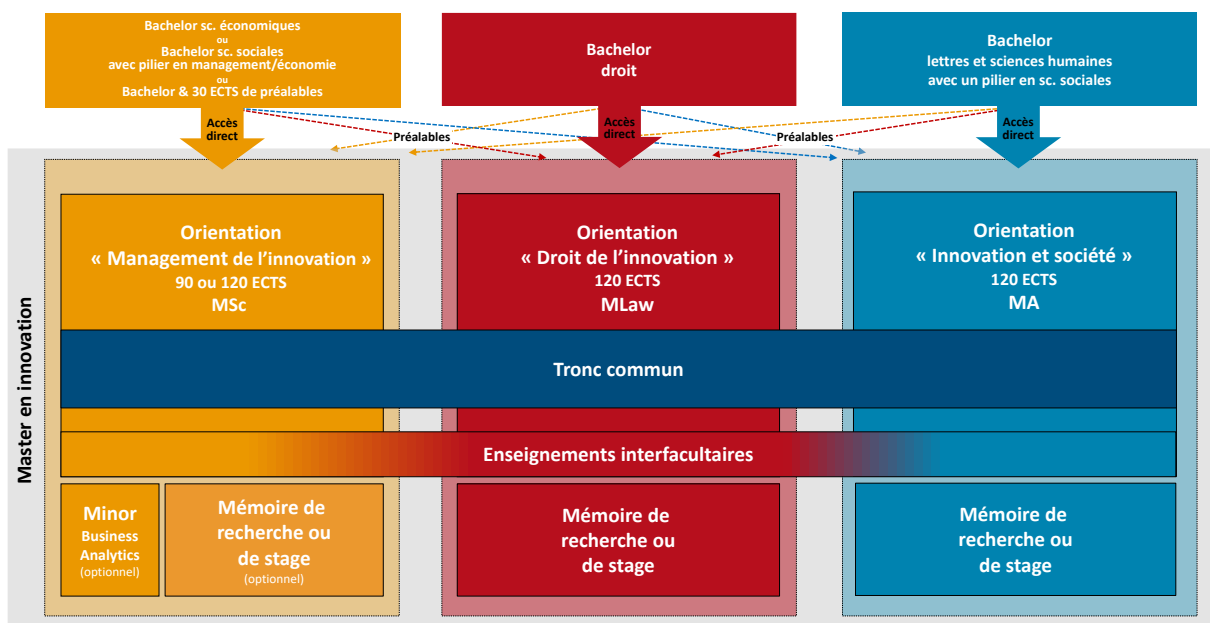


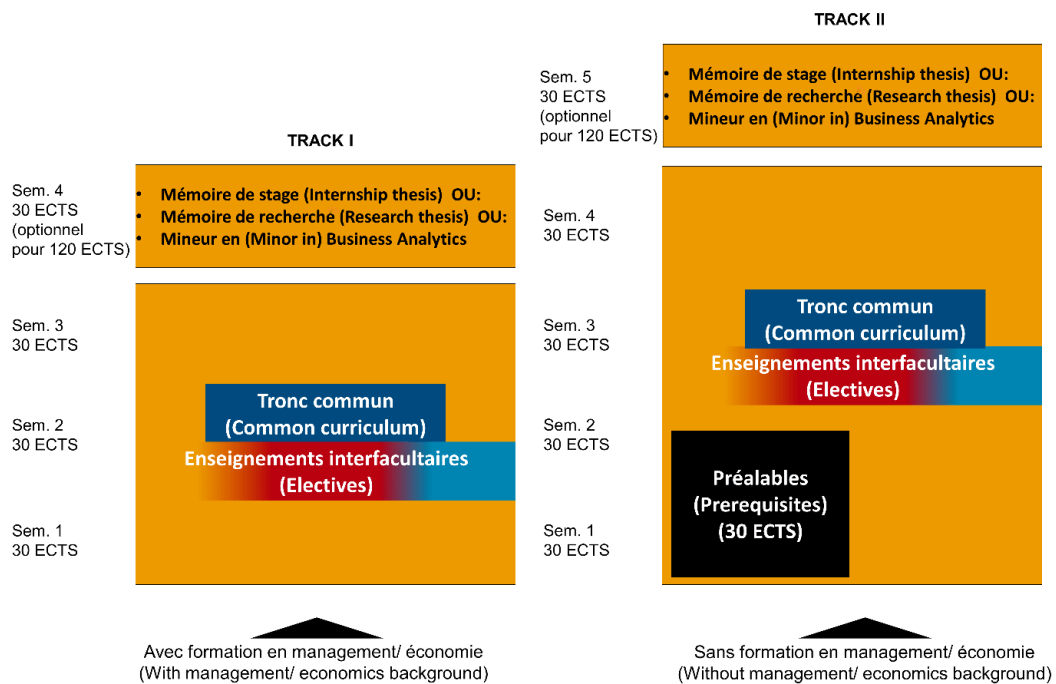
# MASTER EN INNOVATION



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

**ACADEMIC YEAR 2021-2022**

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	Grading Policy (in class)**	Grading Policy (remote)**
<b>Semester 1 Autumn</b>					
<i>Tronc commun</i>					
Cours interdisciplinaires sur les théories de l'innovation	Jeannerat H.	3	2	E	E
Cycles de conférences sur les enjeux contemporains de l'innovation			-		
Cours/Séminaire d'histoire : Histoire de l'innovation	Bernasconi G.	3	2	EI	EI
<i>Orientation «innovation management»</i>					
Principes généraux de la propriété intellectuelle	Kraus D.	3	3	O	O
Quantitative Methods in Management*	Puntiroli M.	6	4	EI+E	EI+E
Corporate Social Responsibility and Governance*	Biedermann D.	3	2	E	E
Elective(s), see LIST OF ELECTIVES		9-15			
<b>Total</b>		<b>27-33</b>			
<b>Semester 2 Spring</b>					
<i>Tronc commun</i>					
Cours interdisciplinaires sur les théories de l'innovation	Jeannerat H.	3	2	E	E
Cycles de conférences sur les enjeux contemporains de l'innovation			-		
Strategic Management of Technology & Innovation*	Reuter E.	3	2	EI	EI
Séminaire interdisciplinaire en innovation contemporaine	Jeannerat H.	2	2	EI	EI
Accompagnement d'un projet d'entreprise	Chappuis F.	2	1	E	E
<i>Orientation «innovation management»</i>					
Innovation and Technology Policies*	Mack A.	3	2	EI+E	EI+E
Le marketing social pour l'innovation sociale	Bezençon V.	6	4	EI	EI
Global Innovation Management* <sup>3</sup>	Reuter E.	6	4	EI+E	EI+E
Operations Management*	Zufferey N.	3	2	EI	EI
Elective(s), see LIST OF ELECTIVES		0-6			
<b>Total</b>		<b>28-34</b>			
<b>Semester 3 Autumn</b>					
<i>Tronc commun</i>					
Approches critiques de la mondialisation I	Crevoisier O	5	2	E	E
Innovation Process* <sup>3</sup>	Reuter E.	3	2	EI	EI
<i>Orientation «innovation management»</i>					
Business Game* <sup>3</sup>	Jonczyk-Sédès C./ Darouichi O.	12	-	EI	EI
Elective(s), see LIST OF ELECTIVES		3-15			
<b>Total</b>		<b>23-35</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	Grading Policy (in class)**	Grading Policy (remote)**
<b>Semester 1 Autumn</b>					
<b>Prerequisites</b>					
Financial Accounting Fundamentals*	<i>Dinh T./Stenzel</i>	6	4	EI+E	EI+E
Strategic Management*	<i>Jonczyk-Sédès C./ Nassar V..</i>	6	4	EI+E	EI+E
Marketing Management*	<i>Kocher B.</i>	6	4	EI+E	EI+E
Méthodes quantitatives pour managers	<i>Cotofrei P.</i>	6	4	EI+E	EI+E
<i>Tronc commun</i>					
Cours interdisciplinaires sur les théories de l'innovation	<i>Jeannerat H.</i>	3	2	E	E
Cycles de conférences sur les enjeux contemporains de l'innovation			-		
<i>Orientation «innovation management»</i>					
Corporate Social Responsibility and Governance*	<i>Biedermann D.</i>	3	2	E	E
<b>Total</b>		<b>30</b>			
<b>Semester 2 Spring</b>					
<b>Prerequisites</b>					
Managerial Finance*	<i>Wälchli U.</i>	6	4	EI	EI
<i>Tronc commun</i>					
Cours interdisciplinaires sur les théories de l'innovation	<i>Jeannerat H.</i>	3	2	E	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	EI+E
Le marketing social pour l'innovation sociale	<i>Bezençon V.</i>	6	4	EI	EI
Global Innovation Management* <sup>3</sup>	<i>Reuter E.</i>	6	4	EI+E	EI+E
Elective(s), see LIST OF ELECTIVES		6			
<b>Total</b>		<b>30</b>			

**TRACK II : STUDENTS WITHOUT MANAGEMENT/ ECONOMICS BACKGROUND (CONT'D):**

<b>Semester 3 Autumn</b>					
<i>Tronc commun</i>					
Approches critiques de la mondialisation I	<i>Crevoisier O.</i>	5	2	E	E
Cours/Séminaire d'histoire : Histoire de l'innovation	<i>Bernasconi G.</i>	3	4	EI	EI
Innovation process* <sup>3</sup>	<i>Reuter E.</i>	3	2	EI	EI
<i>Orientation «innovation management»</i>					
Principes généraux de la propriété intellectuelle	<i>Kraus D.</i>	3	2	O	O
Quantitative Methods in Management*	<i>Puntiroli M.</i>	6	4	EI+E	EI+E
Business Game* <sup>3</sup>	<i>Jonczyk-Sédès C./ Darouichi O.</i>	12	-	EI	EI
<b>Total</b>		<b>32</b>			

<b>Semester 4 Spring</b>					
<i>Tronc commun</i>					
Accompagnement d'un projet d'entreprise	<i>Chappuis F.</i>	2	2	E	E
Séminaire interdisciplinaire en innovation contemporaine	<i>Jeannerat H.</i>	2	2	EI	EI
Strategic Management of Technology & Innovation* <sup>3</sup>	<i>Reuter E.</i>	3	2	EI	EI
<i>Orientation «innovation management»</i>					
Operations Management*	<i>Zufferey N.</i>	3	2	EI	EI
Elective(s), see LIST OF ELECTIVES		18			
<b>Total</b>		<b>28</b>			
<b>Grand total</b>		<b>90</b>			

<b>Semester 5 Autumn (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>			

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

	Instructor/s	ECTS	H/week	Grading Policy (in class)**	Grading Policy (remote)**
<b>List of Electives in Spring</b>					
Qualitative Methods in Management* (FSE)	<i>Khan U.</i>	3	2	EI	EI
International Negotiation* (FSE)	<i>Jagodzinska K.</i>	3	2	EI	EI
Culture, Human Resources and International Firms* (FSE)	<i>Dal Zotto C.</i>	3	2	EI	EI
Human Resource Management and Leadership* (FSE)	<i>Dal Zotto C.</i>	6	4	EI	EI
Marketing Analytics and Customer Management* (FSE)	<i>Christen M./ Puntiroli M.</i>	6	4	EI+E	EI+E
Financial Analysis* (FSE)	<i>Fiechter P.</i>	3	2	EI	EI
Corporate Finance* (FSE)	<i>Salva C.</i>	6	4	EI+E	EI+E
Valuation* (FSE)	<i>Salva C.</i>	3	2	EI+E	EI+E
Management Accounting and Control* (FSE)	<i>Burkert M.</i>	3	2	E	E
Business Analytics* (FSE)	<i>Cotofrei P.</i>	6	4	EI	EI
Enjeux des systèmes d'information (FSE)	<i>Holzer A.</i>	6	4	EI	EI
Economics of Regulation* (FSE)	<i>Rime B.</i>	3	2	E	O
Energy Economics* (FSE)	<i>Farsi M.</i>	3	2	EI	EI
European Intellectual Property Law* (FD)	<i>Kraus D.</i>	4	2	O	O
Nom de domaine, droit d'auteur et Internet (FD)	<i>Salvadé V.</i>	4	2	O	O
Transferts de technologies et nouveaux modèles d'innovation (FD)	<i>Tissot N.</i>	4	2	O	O
Approche critique de la mondialisation II (FLSH)	<i>Crevoisier O.</i>	5	2	E	E
Anthropological approaches to agro-environmental governance in Switzerland (FLSH)	<i>Forney J.</i>	5	2	EI	EI
Morale et marchés (Sociologie des marchés) (FLSH) (cours ayant lieu tous les deux ans)	<i>Balsiger P.</i>	5	2	EI	EI
<b>List of Electives in Autumn</b>					
Equity Research Contest* (FSE) <sup>3</sup>	<i>Salva C.</i>	6	4	EI	EI
Analyse économique pour managers (FSE)	<i>Mack A.</i>	6	4	EI+E	EI+E
Data Science for Business* (FSE)	<i>Cotofrei I.</i>	6	4	EI	EI
Economic Statistics* (FSE)	<i>Zarin M.</i>	3	2	E	E
Data Management* (FSE)	<i>Ciorascu I.</i>	6	4	EI+E	EI+E
Global Supply Chain Management* (FSE)	<i>Nieto Y.</i>	6	4	EI	EI
International Strategy* (FSE) <sup>3</sup>	<i>Jonczyk-Sédès C</i>	6	4	EI	EI
Marketing and Globalization (FSE) <sup>3</sup>	<i>Kocher B.</i>	6	4	E+EI	E+EI
Informations et médias numériques (FSE)	<i>Pignard-Cheynel N.</i>	3	2	EI	EI
Changements sociaux et sociétés contemporaines (FLSH)	<i>Balsiger P.</i>	3	2	E	E
Protection des données et transparence	<i>Posse S.</i>	2	1	O	O
Propriété intellectuelle (sans procédure) (FD)	<i>Tissot N.</i>	6	4	O	O
Droit approfondi de l'insolvabilité des entreprises (FD)	<i>DuPasquier U.</i>	4	2	O	O
Séminaire thématique en innovation I : module 5 : La propriété intellectuelle en pratique (FD)	<i>Kraus D.</i>	4	-	Attestation	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>					

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

**MASTER OF SCIENCE IN INNOVATION**

**MINOR IN BUSINESS ANALYTICS**

**(30 ECTS optional)**

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

<sup>1</sup>**Prerequisites:** The student needs to have fulfilled 15 ECTS in statistics, mathematics or information technology in previous studies. They must provide proof of these previous credits at the time of registration to the secretariat of the Institute of Management.

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.

<sup>3</sup> Ce cours fonctionne sur la base des principes régissant le fonctionnement des cours FSE impliquant des entreprises / institutions externes à la Faculté / This course operates based on Principles governing the running of FSE courses involving companies/institutions outside the Faculty.

\* Course taught in English

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E: 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.

\*\*In the case of a re-take exam, the evaluation is repeated in the form of a written examination (E) for all 1<sup>st</sup> attempts of type E, EI +E, O or EI+O.

\*\*In the case of a re-take exam, the evaluation repeated in the form of an individual written assignment (EI) for all 1<sup>st</sup> attempts of type EI.

*The detailed terms of evaluation and duration of exams are specified in the course description.*