

At Mons - 120 credits - 2 years - Day schedule - In FrenchDissertation/Graduation Project : **YES** - Internship : **YES**Activities in English: **YES** - Activities in other languages : **NO**Activities on other sites : **optional**Main study domain : **Sciences économiques et de gestion**Organized by: **Louvain School of Management (LSM)**Programme acronym: **INGM2M** - Francophone Certification Framework: 7**Table of contents**

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INGM2M - Introduction

Introduction

Introduction

The Master [120] in Business Engineering (INGM2M) aims to develop the skills and expertise required to ensure communication between management functions and science and technology-related functions in public and private, commercial and non-commercial organisations.

On completion of this Master's degree, you will:

- be able to implement socially responsible management practices in any type of organisation;
- have gained advanced quantitative and methodological skills;
- be able to model and formalise management issues and situations, including in high-tech and innovation-driven sectors, with a view to finding solutions and improvements;
- understand technological processes and competently apply them in the industrial and services sectors;
- be able to grasp, understand and competently handle the complex challenges of innovative sectors.

The Master [120] in Business Engineering offers you:

- the opportunity to improve your language skills thanks to the language courses on offer and several courses that are given in English;
- the opportunity to study for one term at one of the 145 partner universities;
- the only opportunity in Belgium to be selected to combine your programme with the Master's degree in International Management (CEMS);
- access to the inter-faculty Entrepreneurship specialisation (CPME major, based on your academic record) or the Sustainable Management specialisation (Philippe de Woot major in Corporate Sustainable Management);
- the opportunity to specialise in Marketing and obtain a BASF certificate from visiting trainers from BASF Management Consulting (BASF headquarters, Germany) in two courses (the Tactical and Digital Marketing Decisions majors and the Marketing Decisions option);
- a wider choice of options through a joint offering of the areas of expertise of the different LSM campuses;
- the opportunity to apply for the double degree programme organised with one of our seven partner universities;
- the opportunity to take part in the IB selection programme (exchange with a partner university and a six-month internship in a company outside the European Union);
- the opportunity to become a [digital marketing](#) expert;
- the opportunity to do a major and an option in your chosen field with a view to becoming an expert in that field.

Your profile

You

- want to develop your technology management skills;
- are looking to gain hands-on business experience and get involved in the management of complex, innovative projects;
- are seeking high-level training based on solid scientific knowledge in the high-tech industrial and services sectors (information technology, logistics, environment);
- are driven by an entrepreneurial spirit and want to learn to work effectively as part of a team;
- want to become a manager with an international outlook who is aware of companies' social responsibility;
- meet the admission requirements for this programme.

Your future job

A position of responsibility in corporate leadership and management in which you can put into practice your ability to undertake initiatives, transform them into economic realities, organise and ensure the continuity of these activities, seek out the necessary resources and combine them in an appropriate manner.

Our business engineering graduates make a career for themselves in many sectors, including industry (production and operations management), banking and insurance, auditing and large-scale retail, in private companies, public organisations, non-profit organisations, SMEs, multinationals and consultancy firms.

They hold positions of responsibility, such as management controller, company auditor, investment adviser, financial analyst, HR development manager, project manager, IT consultant, sales manager, purchasing manager, logistics manager or environmental manager.

Your programme

The 120-credit Master's programme will comprise:

- professional focus courses in business engineering, as well as seminars;
- one major, comprising six courses to be selected from the main fields of management;
- a one-term exchange (highly recommended but not compulsory) or a term of six courses, including a foreign language and an option comprising three courses;
- an internship;
- a dissertation.

Note that, depending on your previous studies, some course units (= prerequisite courses) may be added to your Master's programme.

Your parcours

[This Master's programme gives access to:](#)

- various advanced Master's degrees
- graduate management school
- teacher training certificate (upper secondary education)

INGM2M - Teaching profile

Learning outcomes

The Master in Business Engineering prepares graduates to take up the challenge of becoming socially responsible experts in management, including the technological, industrial and innovation aspects of the discipline.

The Master in Business Engineering programme develops the skills and expertise required to ensure communication between management functions and science and technology-related functions in public and private, commercial and non-commercial organisations.

By the end of this programme, graduates will have developed (including via a mandatory company internship and an optional foreign exchange) the skills and know-how to competently handle the complex and varied challenges that companies and industries face in managing knowledge, functions, skills and processes at both strategic and operational level. They will also have specialised in one or more fields of management:

- operational: HR, marketing, finance, accounting, operations and logistics, information systems and ICT, strategy and innovation, etc.
- or cross-disciplinary: at operational, tactical or strategic level.

On completion of this programme, graduates will be:

- **Responsible:** able to implement socially responsible management practices in any type of organisation.
- **An expert:**
 - with advanced quantitative and methodological skills;
 - who is able to model and formalise management issues and situations, including in high-tech and innovation-driven sectors, with a view to finding solutions and improvements;
 - who is able to understand technological processes and can competently apply them in the industrial and services sectors.
- **An entrepreneur** who can grasp, understand and competently handle the complex challenges of innovative sectors.

Aware of the responsibility inherent in their profession, graduates must be able to step up to the mark as a key player, demonstrating the ability to make decisions in organisational, technological and innovative environments with a constant concern for **ethical values and socially responsible management**. A continuous development mindset will produce professionals with expertise, adaptability and the ability to progress in their profession.

On successful completion of this programme, each student is able to :

Preamble

The exit profile of Master in Business Engineering graduates is set out in the [LSM competency framework](#) with the following specifics:

- a background in economics and management, quantitative methods, science (physics and chemistry) or technology (energy, electronics and telecommunications, mechanics and processes);
- priority skills:
 - a socially responsible mindset;
 - acquired knowledge;
 - project management;
 - innovation and entrepreneurship;
- the ability to apply a scientific approach;
- the possibility of developing some of these skills in greater depth through their choice of major, options, tracks, dissertation, internship and exchange.

1. Corporate citizenship

Act consciously, aware of their responsibilities, placing human and ethical considerations at the very heart of their thinking and actions.

1.1 Demonstrate independent reasoning, look critically and consciously at acquired knowledge (both academic and common sense) and managerial practices, in light of emerging circumstances and their outcomes.

1.2 Decide and act by incorporating ethical and humanistic values, integrity, respect for the laws and conventions, solidarity and civic action, and sustainable development.

1.3 Decide and act responsibly, while taking into account the social, economic and environmental, sometimes antinomic, outcomes in the short, medium and long term, for the various stakeholders.

2. Knowledge and Reasoning

Master an active and integrated command of a multidisciplinary body of knowledge (content, methods, models, conceptual frameworks) essential to act expertly in the various areas of management.

2.1 Master the core knowledge of each area of management.

2.2 Master highly specific knowledge in one or two areas of management: advanced and current research-based knowledge and methods.

2.3 Articulate the acquired knowledge from different areas of management.

2.4 Activate and apply the acquired knowledge accordingly to solve a problem.

2.5 Contribute to the development and advancement of the management field.

3. A scientific and systematic approach

Analyze and resolve problems in multidisciplinary and complex management situations using a scientific and systematic approach.

3.1 Conduct a clear, structured, analytical reasoning by applying, and eventually adapting, scientifically based conceptual frameworks and models, to define and analyze a problem.

3.2 Collect, select and analyze relevant information using rigorous, advanced and appropriate methods.

3.3 Consider problems using a systemic and holistic approach: recognize the different aspects of the situation and their interactions in a dynamic process.

3.4 Perceptively synthesize the essential elements of a situation, demonstrating a certain conceptual distance, to diagnose and identify pertinent conclusions.

3.5 Produce, through analysis and diagnosis, implementable solutions in context and identify priorities for action.

4. Innovation and Entrepreneurship

Innovate, initiate and lead change.

4.1 Identify new opportunities, propose creative and useful ideas in situations that require new strategic approaches, break with existing models and paradigms, promote progress and change.

4.2 Initiate, develop and implement ideas around a new product, service, process or organizational structure, having evaluated the risks and remain pragmatic.

4.3 Integrate, collaborate and actively drive forward collective actions for change, and diffuse for social awareness.

4.4 Reflect on and improve the content, processes and goals of professional practices.

5. Work effectively in an international and multicultural environment

Work as an interface between stakeholders with different rationales, belief systems, training, nationalities, cultures ...

5.1 Understand the inner workings of an organization: develop a global approach and integrate the internal logic used, within the organization.

5.2 Position and understand the functioning of an organization, in its local and international socio-economic dimensions and identify the associated strategic issues and operational decisions.

5.3 Understand and establish their own role and scope for action, in the overall operation of the organization, while liaising with the various internal and external stakeholders.

6. Teamwork and leadership

Integrate and work in a team, exercise enlightened leadership within the group.

6.1 Work in a team: join in and collaborate with team members. Be open and take into consideration the different points of view and ways of thinking, manage differences and conflicts constructively, accept diversity.

6.2 Work in a team: join in and collaborate with team members. Be open and take into consideration the different points of view and ways of thinking, manage differences and conflicts constructively, accept diversity.

7. Project Management

Define and manage a project to completion, taking into account the objectives, resources and constraints that characterize the project environment.

7.1 Analyse a project within its environment and define the expected outcomes: identify what is at stake, the required outcomes and the environmental constraints; clearly define the project objectives and associate the performance indicators.

7.2 Organize, manage and control the process: structure and schedule the tasks, identify and allocate human and material resources, coordinate, delegate and supervise the tasks; take into account the anticipated constraints and risks.

7.3 Make decisions and take responsibility for them in an uncertain world: take initiatives and act, anticipate and be proactive, show discernment and good judgment and be prepared to make quick decisions, taking into account multiple factors and uncertainties; accept the risks and consequences of decisions.

8. Communication and Interpersonal Skills

Communicate, converse effectively and convincingly with the stakeholders.

8.1 Express a clear and structured message, both orally and in writing in their mother tongue, in English and ideally, in a third language, adapted to the audience and using context specific communication standards.

8.2 Interact and discuss effectively and respectfully with diverse stakeholders (supervisors, peers, colleagues, clients...) in face-to-face and group contexts, using both verbal and nonverbal communication skills: demonstrate the ability to listen, empathize, be assertive, provide and accept constructive criticism.

8.3 Persuade and negotiate: understand the needs and viewpoints of others, put forward their reasoning in an appropriate, relevant and persuasive manner, able to bring out points of agreement, even in antagonistic situations.

9. Personal and professional development

Display self-knowledge and independence, able to adapt quickly to new situations and involve positively.

9.1 Independent self-starter: set priorities, anticipate and plan work activities within time constraints, rigorous, structured and thorough, even in changing, uncertain environments or crisis.

9.2 Self-awareness and self-control: be aware of and manage their own emotions, able to be objective about their work and behaviour, and recognize their own strengths and weaknesses, accept them and use them in a professional manner.

9.3 Self-motivation: be capable of creating a project in line with their own values and aspirations, confident and motivated in managing the implementation of the project, and persevere in difficult situations.

9.4 Quick study, lifelong learner: quickly and independently assimilate new information and skills needed to evolve in their professional environment, learn from successes and errors in the spirit of lifelong learning.

Programme structure



LOUVAIN
School of Management



The Master [120] in Business Engineering has four elements :

1. Common core curriculum

This includes the dissertation and its seminar, an internship that can be tied in with the dissertation topic as well as foreign language courses.

2. A professional focus

This involves more in-depth study of different engineering topics. The professional focus courses are held over a six-week period in the first par of each term.

3. A major

This is a two-part course that enables students to specialise in one of the fields engineering. Students will have access to the majors that are offered at both the Mons and the Louvain-la-Neuve campuses of Louvain School of Management.

[> Detailed description \(objectives, career options, etc.\) of the majors offered in the Master in Business Engineering programme](#)

4. Exchange or LSM option and courses

In the second year, students have the opportunity to either take one or more exchange courses at one of the 145 partner universities of Louvain School of Management or continue to specialise with LSM courses and a 15-credit option.

Note that, depending on your previous studies, the examination board may add some course units (= prerequisite courses) to your Master's programme.

LSM also offers Master's [120] students five tracks that pursue specific educational objectives. These are accessed through a selection process, which, for some, takes place in the academic year prior to entry into the first year of the Master's programme.

The CEMS Master in International Management – CEMS MIM

LSM is the exclusive Belgian partner of this network, which has, for some years now, brought together leading European business schools and several partners outside Europe.

Interdisciplinary Programme in Entrepreneurship - CPME (<https://uclouvain.be/en/faculties/lsm/cpme>)

This programme brings together students from several UCLouvain faculties and equips them with the analytical and thinking tools they need to understand entrepreneurial processes, create or take over a business (private limited liability company, non-profit organisation, public limited company, etc.) or progress entrepreneurial projects within existing organisations.

The International Business (IB) programme

This programme is for students who would like to embark on an international career. By combining a preparatory major specific to this programme, exchange courses and a six-month internship in a multinational company abroad, it cultivates the open-mindedness, intercultural skills, adaptability and proactivity required for working in an international environment. The students selected for the IB programme will therefore spend the whole of their second year abroad, successively completing an international exchange and a six-month internship in a company outside Europe.

Double degree - DD & DDD

By accumulating 60 course credits at Louvain School of Management, approximately 40 course credits at the DD partner university and a joint dissertation for both universities (20 credits), students will be awarded two Master's degrees, one from LSM and the other from the partner university:

- Prague University of Economics and Business (Czech Republic)
- University of Cologne (Germany)
- Norwegian School of Economics and Business Administration – NHH (Bergen, Norway)
- Universidade NOVA de Lisboa (Lisbon, Portugal)
- Vytautas Magnus University (Kaunas, Lithuania)
- Aix-Marseille University (Aix-Marseille, France)
- KU Leuven (Leuven, Belgium)
- Instituto Superior Técnico - Technical University of Lisbon (Lisbon, Portugal)

A dedicated double degree (DDD) with a focus on Environmental Issues and Supply Chain Management is offered exclusively by LSM and NHH.

The Digital Marketing programme (in connection with the [IPM Digital Marketing chair](#))

This programme is for students who wish to specialise in digital marketing. By combining marketing options in the first year, primarily the Digital Marketing option, with a work placement option in the second year, the programme offers a combination of in-company experience and university education (two days at university/three days at work) in the second year of the Master's. In addition to the eight-month work placement, there are monthly workshops with industry and academic experts for formative discussions on key digital marketing topics.

INGM2M Programme

Detailed programme by subject

CORE COURSES

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊖ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

				Year	
				1	2
○ MLSMM2200	Final Master's Thesis		(FR) [q1+q2] [] [18 Credits] 🌐		X
○ MLSMM2201	Master's Thesis Seminar	Julie Hermans	(FR) [q1+q2] [30h] [2 Credits] 🌐		X
⊗ MLSMM2202	Internship with Coaching <i>Students engaged in the option Professional Immersion in Digital Marketing do not have to register for this course.</i>	Catherine D'Hondt Isabelle Platten	(FR) [q1+q2] [30h] [10 Credits] 🌐		X

○ Foreign languages - advanced level 1 (5 credits)

English is compulsory. The student then chooses Dutch or Spanish (following his Bachelor / preparatory module choice) until the end of his Master's cycle.

○ MANG2163	Advanced English 1	Céline Gouverneur (coord.) Caroline Lambert Guy Monfort Quentin Zèques	(EN) [q1+q2] [0h+30h] [2 Credits] 🌐		X
⊗ MNEER2164	Advanced Dutch 1	Erika Copriau (coord.) Bruno Michiels	(NL) [q1+q2] [0h+30h] [3 Credits] 🌐		X
⊗ MESPA2165	Advanced Spanish 1	Juan Francisco Hernandez Rodriguez (coord.)	(ES) [q1+q2] [0h+30h] [3 Credits] 🌐		X

⊗ Foreign languages - advanced level 2 (5 credits)

Not to be taken by outgoing exchange students.

○ MANG2236	Advanced English 2 ■	Caroline Lambert Guy Monfort Quentin Zèques (coord.)	(EN) [q1] [30h] [3 Credits] 🌐		X
⊗ MNEER2238	Advanced Dutch 2 ■	Bruno Michiels (coord.)	(NL) [q1] [30h] [2 Credits] 🌐		X
⊗ MESPA2237	Advanced Spanish 2 ■	Juan Francisco Hernandez Rodriguez (coord.)	(ES) [q1] [30h] [2 Credits] 🌐		X

PROFESSIONAL FOCUS [30.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊙ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- ⊕ Open to incoming exchange students
- ⊗ Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year

1 2

o Content:

○ MLSMM2220	Seminar on Current Managerial Issues	Olivier de Wasseige Alain Vas	EN [q1+q2] [30h+0h] [5 Credits]	X
○ MLSMM2116	Data Analytics	François Fouss	FR [q1] [30h] [5 Credits]	X
○ MLSMM2117	Quantitative Project & Project Management	Jean-Sébastien Tancrez	FR [q2] [75h] [10 Credits]	X
○ MLSMM2217	Integrated Information Systems	Bart Jourquin	FR [q1] [30h] [5 Credits]	X
○ MLSMM2219	Strategic Management of the Firm: Translating Strategy into Action	Nadia Sinigaglia	FR [q1] [30h] [5 Credits]	X

OPTIONS

Year 1: compulsory **major** chosen from those on offer at the Mons and Louvain-la-Neuve campuses and **two foreign language courses**

Year 2: compulsory **option**, **elective** and **two foreign language courses** (for students not going on an exchange)

Note:

- Mons students who choose one of the Louvain-la-Neuve campus majors (5 course units (CUs) instead of 6 for Louvain-la-Neuve students) will also have to take the LLSMS2221 Tutoring and In-Depth Study CU.
- Mons students who choose one of the Louvain-la-Neuve campus options will take the LLSMS2221 Tutoring and In-Depth Study CU (the LLSMS2091 Cross-Cultural Competences and Management CU initially intended for Louvain-la-Neuve students with timetable clashes).
- If a Louvain-la-Neuve major and option are combined, the exam board will decide on a case-by-case basis which CU will replace LLSMS2221 as part of the option.
- If your chosen major/option is not available at your main campus, there is travel support on offer.

Majors

- > [Major Business Analytics \(Mons\)](#) [en-prog-2022-ingm2m-linge434o]
- > [Major Business Analytics & Digital Marketing \(Mons\)](#) [en-prog-2022-ingm2m-linge438o]
- > [Major Transportation Management \(Mons\) and Supply Chain \(Louvain-la-Neuve\)](#) [en-prog-2022-ingm2m-linge439o]
- > [Major Financial Management \(Mons\)](#) [en-prog-2022-ingm2m-mgesm441o]
- > [Major Tactical & Digital Marketing Decisions \(Mons\)](#) [en-prog-2022-ingm2m-linge437o]
- > [Major "i carré" \(Mons\)](#) [en-prog-2022-ingm2m-mingm230o]
- > [Major Supply Chain Management \(LLN\)](#) [en-prog-2022-ingm2m-lingm430o]
- > [Major Innovation Management \(LLN\)](#) [en-prog-2022-ingm2m-lingm431o]
- > [Major International Finance \(LLN\)](#) [en-prog-2022-ingm2m-lgesm432o]
- > [Major Financial Engineering \(LLN\)](#) [en-prog-2022-ingm2m-lingm433o]
- > [Major Marketing Strategy for Connected Brands \(LLN\)](#) [en-prog-2022-ingm2m-lgesm451o]
- > [Interdisciplinary Program in Entrepreneurship \(LLN\)](#) [en-prog-2022-ingm2m-linge440o]
- > [Major International Business \(LLN\)](#) [en-prog-2022-ingm2m-lgesm425o]
- > [Philippe de Woot Major in Corporate Sustainable Management \(LLN\)](#) [en-prog-2022-ingm2m-lgesm470o]

LSM Mons courses (if no exchange)

- > [Cours au choix](#) [en-prog-2022-ingm2m-mingm221o]

Options (alternative à l'échange)

- > Option Transport & Logistics (Mons) [en-prog-2022-ingm2m-lgest563o]
- > MONS - Entrepreneurship [en-prog-2022-ingm2m-lgest564o]
- > Option Professional Immersion in Digital Marketing (Mons) [en-prog-2022-ingm2m-lgest565o]
- > Option Marketing Decision (Mons) [en-prog-2022-ingm2m-mgesm205o]
- > Option Asset Management (Mons) [en-prog-2022-ingm2m-mingm203o]
- > Option International Finance (LLN) [en-prog-2022-ingm2m-lgesm594o]
- > Option Financial Engineering (LLN) [en-prog-2022-ingm2m-lingm575o]
- > Option Marketing Strategy for Connected Brands (LLN) [en-prog-2022-ingm2m-lgesm561o]
- > Option Corporate Sustainable Management (LLN) [en-prog-2022-ingm2m-lgesm589o]
- > Option Sourcing and Procurement (LLN) [en-prog-2022-ingm2m-linge597o]
- > Option Tax Systems (ICHEC) [en-prog-2022-ingm2m-lgest567o]

MAJORS [30.0]

The student chooses a major amongst the majors offered either on the Mons or on the Louvain-la-Neuve campus.

In case of a Louvain-la-Neuve major (composed of 5 courses instead of 5), the Mons student will have to follow the course LLSMS2221 Tutoring and in-depth study (in French).

MAJOR BUSINESS ANALYTICS (MONS) [30.0]

You can find the major's brochure [here](#).

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊖ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- ⊕ Open to incoming exchange students
- ⊗ Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year

1 2

o Content:**o Term 1**

● MLSMM2152	New Technologies & Emerging Practices	Bart Jourquin	FR [q1] [30h] [5 Credits] ⊕	X	
● MLSMM2151	Data Mining	Abdessamad Ait El Cadi (compensates Nadine Meskens)	FR [q1] [30h] [5 Credits] ⊕	X	
● MLSMM2153	Web Mining	François Fouss Corentin Vande Kerckhove (compensates François Fouss)	FR [q1] [30h] [5 Credits] ⊕	X	

o Term 2

● MLSMM2154	Machine Learning	Marco Saerens	EN [q2] [30h] [5 Credits] ⊕	X	
● MLSMM2155	Quantitative Decision Making	Luciano Porretta (compensates Daniele Catanzaro)	EN [q2] [30h] [5 Credits] ⊕	X	
● MLSMM2156	Recommender Systems	Corentin Vande Kerckhove	EN [q2] [30h] [5 Credits] ⊕	X	

MAJOR BUSINESS ANALYTICS & DIGITAL MARKETING (MONS) [30.0]

You can find the major's brochure [here](#).

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊖ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year

1 2

o Content:**o Term 1**

○ MLSMM2151	Data Mining	Abdessamad Ait El Cadi (compensates Nadine Meskens)	[FR] [q1] [30h] [5 Credits] 🌐	X	
○ MLSMM2152	New Technologies & Emerging Practices	Bart Jourquin	[FR] [q1] [30h] [5 Credits] 🌐	X	
○ MLSMM2153	Web Mining	François Fouss Corentin Vande Kerckhove (compensates François Fouss)	[FR] [q1] [30h] [5 Credits] 🌐	X	

o Term 2

○ MLSMM2134	e-Consumer Behavior	Karine Charry	[FR] [q2] [30h] [5 Credits] 🌐	X	
○ MLSMM2135	Methods & Models in Marketing	Caroline Ducarroz Nadia Sinigaglia	[FR] [q2] [30h] [5 Credits] 🌐	X	
○ MLSMM2136	Trends in Digital Marketing	Ingrid Poncin	[FR] [q2] [30h] [5 Credits] 🌐	X	

MAJOR TRANSPORTATION MANAGEMENT (MONS) AND SUPPLY CHAIN (LOUVAIN-LA-NEUVE) [30.0]

You can find the major's brochure [here](#).

- Mandatory
- ✘ Optional
- △ Not offered in 2022-2023
- ⊖ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year

1 2

o Content:

o Term 1

● MLSMM2251	Modelling of Transport Systems	Bart Jourquin	[FR] [q1] [30h] [5 Credits] 🌐	X	
● MLSMM2252	Supply Chain Management	Jean-Sébastien Tancrez	[EN] [q1] [30h] [5 Credits] 🌐	X	
● MLSMM2253	Transport & Mobility	Bart Jourquin	[FR] [q1] [30h] [5 Credits] 🌐	X	

o Term 2

● LLSMS2032	Advanced Operations Management : Models and Applications	Philippe Chevalier Olivier Corluy (compensates Philippe Chevalier)	[EN] [q2] [30h] [5 Credits] 🌐	X	
● LLSMS2034	Supply Chain Planning	Marc Foret Mathieu Van Vyve	[EN] [q2] [30h] [5 Credits] 🌐	X	
● LLSMS2035	Supply Chain Coordination and Sourcing	Per Joakim Agrell	[EN] [q2] [30h] [5 Credits] 🌐	X	

MAJOR FINANCIAL MANAGEMENT (MONS) [30.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊖ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🌐 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

This major takes place during the 6 last weeks of each term.

Year

1 2

o Content:**o Term 1**

○ MLSMM2121	Derivative Securities	Isabelle Platten	FR [q1] [30h] [5 Credits] 🌐	X	
○ MLSMM2122	Equity Valuation	Mikael Petitjean Xavier Suin	EN [q1] [30h] [5 Credits] 🌐	X	
○ MLSMM2123	Fixed Income Analysis	Anh Nguyen Isabelle Platten	FR [q1] [30h] [5 Credits] 🌐	X	

o Term 2

○ MLSMM2124	Behavioural Finance	Rudy De Winne	FR [q2] [30h] [5 Credits] 🌐	X	
○ MLSMM2125	Portfolio Management	Catherine D'Hondt	FR [q2] [30h] [5 Credits] 🌐	X	
○ MLSMM2126	Risk Management & Financial Institutions	Nathan Lassance	EN [q2] [30h] [5 Credits] 🌐	X	

MAJOR TACTICAL & DIGITAL MARKETING DECISIONS (MONS) [30.0]

You can find the major's brochure [here](#).

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊖ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year

1 2

o Content:**o Term 1**

○ MLSMM2131	Retailing & Distribution Management	Simon Hazée	[FR] [q1] [30h] [5 Credits] 🌐	X	
○ MLSMM2132	Price Management	Caroline Ducarroz Nadia Sinigaglia	[FR] [q1] [30h] [5 Credits] 🌐	X	
○ MLSMM2133	Product & Innovation	Nadia Sinigaglia	[EN] [q1] [30h] [5 Credits] 🌐	X	

o Term 2

○ MLSMM2134	e-Consumer Behavior	Karine Charry	[FR] [q2] [30h] [5 Credits] 🌐	X	
○ MLSMM2135	Methods & Models in Marketing	Caroline Ducarroz Nadia Sinigaglia	[FR] [q2] [30h] [5 Credits] 🌐	X	
○ MLSMM2136	Trends in Digital Marketing	Ingrid Poncin	[FR] [q2] [30h] [5 Credits] 🌐	X	

MAJOR "I CARRÉ" (MONS) [30.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊖ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year

1 2

o Content:**o Quadrimestre 1**

○ MLSMM2263	Doing Entrepreneurship	David Valentiny (compensates Amélie Jacquemin)	FR [q1] [30h] [5 Credits] 🌐	X	
○ MLSMM2262	Entrepreneuriat technologique	David Valentiny (compensates Julie Hermans)	FR [q1] [30h] [5 Credits] 🌐	X	
○ MLSMM2261	Collective Entrepreneurship	Julie Hermans	FR [q1] [30h] [5 Credits] 🌐	X	

o Quadrimestre 2

○ MLSMM2134	e-Consumer Behavior	Karine Charry	FR [q2] [30h] [5 Credits] 🌐	X	
○ MLSMM2135	Methods & Models in Marketing	Caroline Ducarroz Nadia Sinigaglia	FR [q2] [30h] [5 Credits] 🌐	X	
○ MLSMM2136	Trends in Digital Marketing	Ingrid Poncin	FR [q2] [30h] [5 Credits] 🌐	X	

MAJOR SUPPLY CHAIN MANAGEMENT (LLN) [30.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊖ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- ⊕ Open to incoming exchange students
- ⊖ Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

This LLN major only contains 2 courses during the first term. Students from the Mons campus wishing to follow it will have the LLSMS2221 course added in order to guarantee the necessary number of credits for this major (30 credits) in their programme.

Year

1 2

o Content:**o Term 1**

○ LLSMS2221	Tutorat et approfondissement		FR [q1] [] [5 Credits] ⊕	X	
○ LLSMS2030	Supply Chain Management	Pierre Semal	EN [q1] [30h] [5 Credits] ⊕	X	
○ LLSMS2031	Tools for Supply Chain Management Decisions	Mathieu Van Vyve	EN [q1] [30h] [5 Credits] ⊕	X	

o Term 2

○ LLSMS2032	Advanced Operations Management : Models and Applications	Philippe Chevalier Olivier Corluy (compensates Philippe Chevalier)	EN [q2] [30h] [5 Credits] ⊕	X	
○ LLSMS2034	Supply Chain Planning	Marc Foret Mathieu Van Vyve	EN [q2] [30h] [5 Credits] ⊕	X	
○ LLSMS2035	Supply Chain Coordination and Sourcing	Per Joakim Agrell	EN [q2] [30h] [5 Credits] ⊕	X	

MAJOR INNOVATION MANAGEMENT (LLN) [30.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊖ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

This LLN major only contains 2 courses during the first term. Students from the Mons campus wishing to follow it will have the LLSMS2221 course added in order to guarantee the necessary number of credits for this major (30 credits) in their programme.

Year

1 2

o Content:**o Term 1**

○ LLSMS2221	Tutorat et approfondissement		(FR) [q1] [] [5 Credits] 🌐	X	
○ LLSMS2040	Innovation Management I	Benoît Gailly	EN [q1] [30h] [5 Credits] 🌐	X	
○ LLSMS2042	Innovation Management II	Benoît Gailly	EN [q1] [30h] [5 Credits] 🌐	X	

o Term 2

○ LLSMF2011	Knowledge Management	Julie Hermans Manuel Kolp	EN [q2] [30h] [5 Credits] 🌐	X	
○ LLSMS2041	Economics of Innovation	Paul Belleflamme	EN [q2] [30h] [5 Credits] 🌐	X	
○ LLSMS2043	Innovation Policy and Ecosystems	Benoît Gailly	EN [q2] [30h] [5 Credits] 🌐	X	
⊗ LLSMS2080	International Entrepreneurship <i>Bonus course. It is possible to take this extra course in addition to the 6 courses of the innovation major.</i>	Frank Janssen	EN [q2] [30h+30h] [5 Credits] 🌐	X	

MAJOR INTERNATIONAL FINANCE (LLN) [30.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊖ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

This LLN major only contains 2 courses during the first term. Students from the Mons campus wishing to follow it will have the LLSMS2221 course added in order to guarantee the necessary number of credits for this major (30 credits) in their programme.

Year

1 2**o Content:****o Term 1**

○ LLSMS2221	Tutorat et approfondissement		FR [q1] [] [5 Credits] 🌐	X	
○ LLSMS2054	International Finance and crisis management	Bertrand Candelon	EN [q1] [30h] [5 Credits] 🌐	X	
○ LLSMS2027	Capital markets and innovations	Leonardo Iania	EN [q1] [30h] [5 Credits] 🌐	X	

o Term 2

○ LLSMS2140	Financial Risk	Anh Nguyen James Thewissen	EN [q2] [30h] [5 Credits] 🌐	X	
○ LLSMS2029	International financial management	Denis Knaepen	EN [q2] [30h] [5 Credits] 🌐	X	
○ LLSMS2223	Principles of banking regulation and supervision	Bertrand Candelon	EN [q2] [30h] [5 Credits] 🌐	X	

MAJOR FINANCIAL ENGINEERING (LLN) [30.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊙ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

This LLN major only contains 2 courses during the first term. Students from the Mons campus wishing to follow it will have the LLSMS2221 course added in order to guarantee the necessary number of credits for this major (30 credits) in their programme.

Year

1 2

o Content:**o Term 1**

○ LLSMS2221	Tutorat et approfondissement		(FR) [q1] [] [5 Credits] 🌐	X	
○ LLSMS2224	Forecasting	Bertrand Cadelon	EN [q1] [30h] [5 Credits] 🌐	X	
○ LLSMS2054	International Finance and crisis management	Bertrand Cadelon	EN [q1] [30h] [5 Credits] 🌐	X	

o Term 2

○ LLSMS2012	Macro Finance	Leonardo Iania	EN [q2] [30h] [5 Credits] 🌐	X	
○ LLSMS2138	Big data in finance	Nathan Lassance	EN [q2] [30h] [5 Credits] 🌐	X	
○ LLSMS2225	Derivatives pricing	Frédéric Vrins	EN [q2] [30h] [5 Credits] 🌐	X	

MAJOR MARKETING STRATEGY FOR CONNECTED BRANDS (LLN) [30.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊖ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

This LLN major only contains 2 courses during the first term. Students from the Mons campus wishing to follow it will have the LLSMS2221 course added in order to guarantee the necessary number of credits for this major (30 credits) in their programme.

Year

1 2

Content:

Term 1

● LLSMS2221	Tutorat et approfondissement		FR [q1] [] [5 Credits] 🌐	X	
● LLSMS2000	Marketing Research	Gordy Pleyers	EN [q1] [30h] [5 Credits] 🌐	X	
● LLSMS2008	Digital Marketing	Isabelle Schuiling	EN [q1] [30h] [5 Credits] 🌐	X	

Term 2

● LLSMS2003	Brand Management	Isabelle Schuiling	EN [q2] [30h] [5 Credits] 🌐	X	
● LLSMS2004	Big Data/Data Mining Applied to Marketing	Ludovic Chevalier	EN [q2] [30h] [5 Credits] 🌐	X	
● LLSMS2006	On-line and Off-line Communication Strategies	Doriane Magnus (compensates Nicolas Kervyn de Meerendré) Gordy Pleyers Gordy Pleyers (compensates Nicolas Kervyn de Meerendré)	EN [q2] [30h] [5 Credits] 🌐	X	

INTERDISCIPLINARY PROGRAM IN ENTREPRENEURSHIP (LLN) [30.0]

The interdisciplinary program in Entrepreneurship (CPME) lasts 2 years and is integrated into more than 30 Masters in 9 faculties/schools of the UCL. The choice of this CPME course implies the completion of an interfaculty master's thesis (in teams) on a business creation project. Access to this program is limited to students selected on application file. [All information on the program CPME.](#)

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊖ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year

1 2

o Content:**o Term 1**

● LCPME2001	Théorie de l'entrepreneuriat	Frank Janssen	EN [q1] [30h+20h] [5 Credits] 🌐	X	
● LCPME2002	Aspects juridiques, économiques et managériaux de la création d'entreprise	Yves De Cordt Marine Falize	EN [q1] [30h+15h] [5 Credits] 🌐	X	

o CPME Elective courses (5 credits)

Un cours parmi :

⊗ LLSMS2014	Entrepreneurial Finance	Raphaël Betti (compensates James Thewissen) Quentin Colmant	EN [q1] [30h] [5 Credits] 🌐	X	
⊗ LFS2212	Innovation classes <i>Attention: selection of students on the basis of application</i>	Benoît Macq Jean-Pierre Raskin Benoît Raucent	EN [q1] [30h+15h] [5 Credits] 🌐 > French-friendly	X	

o Term 2

● LCPME2003	Plan d'affaires et étapes-clefs de la création d'entreprise <i>The LCPME2003 courses are spread over the two annual blocks of the Master. The CPME student has to follow them already in the first year block, but will only be able to register the course in the second year block programme.</i>	Frank Janssen	EN [q2] [30h+15h] [5 Credits] 🌐		X
● LCPME2004	Séminaire d'approfondissement en entrepreneuriat	Frank Janssen	EN [q2] [30h+15h] [5 Credits] 🌐	X	

o CPME Elective courses (5 credits)

1 cours parmi :

⊗ LLSMS2080	International Entrepreneurship <i>Attention: selection of students on the basis of application</i>	Frank Janssen	EN [q2] [30h+30h] [5 Credits] 🌐	X	
⊗ LLSMS2081	Strategic Management of Start ups	Bartholomeus Kamp	EN [q2] [30h+30h] [5 Credits] 🌐	X	
⊗ LCPME2005	Social and Sustainable Entrepreneurship	Julie Hermans	EN [q2] [30h] [5 Credits] 🌐	X	
⊗ LSST1001	IngénieursSud	Stéphanie Merle Jean-Pierre Raskin (coord.)	EN [q1+q2] [15h+45h] [5 Credits] 🌐	X	

MAJOR INTERNATIONAL BUSINESS (LLN) [30.0]

Access to this major is limited to students selected on the basis of an application file. [More informations about the selection.](https://uclouvain.be/en/faculties/lsm/ib.html) (https://uclouvain.be/en/faculties/lsm/ib.html) You can find the major's brochure [here](#).

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊖ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🌐 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

This LLN major only contains 2 courses during the first term. Students from the Mons campus wishing to follow it will have the LLSMS2221 course added in order to guarantee the necessary number of credits for this major (30 credits) in their programme.

Year

1 2

Content:**Term 1**

○ LLSMS2221	Tutorat et approfondissement		FR [q1] [] [5 Credits] 🌐	X
○ LLSMS2014	Entrepreneurial Finance	Raphaël Betti (compensates James Thewissen) Quentin Colmant	EN [q1] [30h] [5 Credits] 🌐	X
○ LLSMS2030	Supply Chain Management	Pierre Semal	EN [q1] [30h] [5 Credits] 🌐	X

Term 2

○ LLSMS2065	Cross Cultural Competences and Management	Ina Aust-Gronarz	EN [q2] [30h] [5 Credits] 🌐	X
○ LLSMS2114	Entrepreneurship: topical and international aspects	Frank Janssen	EN [q2] [30h] [5 Credits] 🌐	X
○ LLSMS2007	Platform Strategies	Paul Belleflamme	EN [q2] [30h] [5 Credits] 🌐	X

PHILIPPE DE WOOT MAJOR IN CORPORATE SUSTAINABLE MANAGEMENT (LLN) [30.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊖ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

This LLN major only contains 2 courses during the first term. Students from the Mons campus wishing to follow it will have the LLSMS2221 course added in order to guarantee the necessary number of credits for this major (30 credits) in their programme.

Year

1 2

o Content:

o Term 1

○ LLSMS2221	Tutorat et approfondissement		(FR) [q1] [] [5 Credits] 🌐	X
○ LLSMS2280	Business Ethics and Compliance Management	Carlos Desmet	EN [q1] [30h] [5 Credits] 🌐	X
○ LLSMS2282	Finance and Responsible Investment Practices	Leonardo Iania Claudio Vescovo	EN [q1] [30h] [5 Credits] 🌐	X

o Term 2

○ LLSMS2283	Sustainable Human Resource Management and Leadership	Ina Aust-Gronarz	EN [q2] [30h] [5 Credits] 🌐	X
○ LLSMS2284	Corporate Sustainability Reporting and Marketing Strategy	Yves De Rongé Valérie Swaen	EN [q2] [30h] [5 Credits] 🌐	X
○ LCPME2005	Social and Sustainable Entrepreneurship	Julie Hermans	EN [q2] [30h] [5 Credits] 🌐	X

LSM MONS COURSES (IF NO EXCHANGE) [5.0]**COURS AU CHOIX [5.0]**

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊗ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🌐 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year

1 2

o Content:

⊗ MLSMM2114	People & Organization Management	Gaëtan Bonny Laurent Taskin	[FR] [q1] [30h] [5 Credits] 🌐		x
⊗ MLSMM2212	Taxation	Kim Van de Velden	[FR] [q1] [30h] [5 Credits] 🌐		x

OPTIONS (ALTERNATIVE À L'ÉCHANGE) [15.0]**OPTION TRANSPORT & LOGISTICS (MONS) [15.0]**

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊗ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🌐 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

This option is not available to students who have followed the major Transportation Management and Supply Chain.

Year

1 2

o Content:

○ MLSMM2251	Modelling of Transport Systems	Bart Jourquin	[FR] [q1] [30h] [5 Credits] 🌐		x
○ MLSMM2252	Supply Chain Management	Jean-Sébastien Tancrez	[EN] [q1] [30h] [5 Credits] 🌐		x
○ MLSMM2253	Transport & Mobility	Bart Jourquin	[FR] [q1] [30h] [5 Credits] 🌐		x

MONS - ENTREPRENEURSHIP [15.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊙ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🌐 Not open to incoming exchange students
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

This option is co-organised with the Haute Ecole Louvain en Hainaut (HELHa)

Year

1 2

Content:

○ MLSMM2261	Collective Entrepreneurship	Julie Hermans	FR [q1] [30h] [5 Credits] 🌐		X
○ MLSMM2262	Entrepreneuriat technologique	David Valentiny (compensates Julie Hermans)	FR [q1] [30h] [5 Credits] 🌐		X
○ MLSMM2263	Doing Entrepreneurship	David Valentiny (compensates Amélie Jacquemin)	FR [q1] [30h] [5 Credits] 🌐		X

OPTION PROFESSIONAL IMMERSION IN DIGITAL MARKETING (MONS) [25.0]

This option is for students who wish to specialize in Digital Marketing. It is given during the two terms of the annual block 2. It must be combined with a major in marketing (followed in annual block 1) and is only accessible on file.

Students engaged in this option do not have to register the classic internship in their program.

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊙ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🌐 Not open to incoming exchange students
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year

1 2

Content:

○ MLSMM2231	Digital Data Analysis <i>This teaching unit takes place in the second semester in parallel with MLSMM2233 Digital Marketing Seminar - Part 2.</i>	Marco Ongaro	FR [q2] [30h] [5 Credits] 🌐		X
○ MLSMM2232	Digital Marketing Seminar - Part 1	Karine Charry Ingrid Poncin	FR [q1] [30h] [10 Credits] 🌐		X
○ MLSMM2233	Digital Marketing Seminar - Part 2 <i>This teaching unit replaces the mandatory Master's internship for students enrolled in this option.</i>	Karine Charry Ingrid Poncin	FR [q2] [30h] [10 Credits] 🌐		X

OPTION MARKETING DECISION (MONS) [15.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊖ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🌐 Not open to incoming exchange students
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

In partnership with BASF.

This option is not available to students who have followed the major Tactical & Digital Marketing Decisions.

Year

1 2

o Content:

○ MLSMM2131	Retailing & Distribution Management	Simon Hazée	FR [q1] [30h] [5 Credits] 🌐		x
○ MLSMM2132	Price Management	Caroline Ducarroz Nadia Sinigaglia	FR [q1] [30h] [5 Credits] 🌐		x
○ MLSMM2133	Product & Innovation	Nadia Sinigaglia	EN [q1] [30h] [5 Credits] 🌐		x

OPTION ASSET MANAGEMENT (MONS) [15.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊖ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🌐 Not open to incoming exchange students
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

This option is not available to students who have followed the Major in Financial Management

Year

1 2

o Content:

○ MLSMM2121	Derivative Securities	Isabelle Platten	FR [q1] [30h] [5 Credits] 🌐		x
○ MLSMM2122	Equity Valuation	Mikael Petitjean Xavier Suin	EN [q1] [30h] [5 Credits] 🌐		x
○ MLSMM2123	Fixed Income Analysis	Anh Nguyen Isabelle Platten	FR [q1] [30h] [5 Credits] 🌐		x

OPTION INTERNATIONAL FINANCE (LLN) [15.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊖ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🌐 Not open to incoming exchange students
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year

1 2

o Content:

○ LLSMS2054	International Finance and crisis management	Bertrand Candelon	EN [q1] [30h] [5 Credits] 🌐		x
○ LLSMS2027	Capital markets and innovations	Leonardo Iania	EN [q1] [30h] [5 Credits] 🌐		x
○ LLSMS2221	Tutorat et approfondissement		FR [q1] [] [5 Credits] 🌐		x

OPTION FINANCIAL ENGINEERING (LLN) [15.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊖ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🌐 Not open to incoming exchange students
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

This option is neither available to students who have followed the Major in Financial Engineering and exceptionally nor available to those who have followed the Major in International Finance.

Year

1 2

o Content:

○ LLSMS2224	Forecasting	Bertrand Candelon	EN [q1] [30h] [5 Credits] 🌐		x
○ LLSMS2221	Tutorat et approfondissement		FR [q1] [] [5 Credits] 🌐		x
○ LLSMS2054	International Finance and crisis management	Bertrand Candelon	EN [q1] [30h] [5 Credits] 🌐		x

OPTION MARKETING STRATEGY FOR CONNECTED BRANDS (LLN)**[15.0]**

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊙ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🌐 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

[Click on the course title to see detailed informations \(objectives, methods, evaluation...\)](#)

This option is not available to students who have followed the major Marketing Strategy for Connected Brands.

Year

1 2**o Content:**

○ LLSMS2000	Marketing Research	Gordy Pleyers	EN [q1] [30h] [5 Credits] 🌐		X
○ LLSMS2008	Digital Marketing	Isabelle Schuiling	EN [q1] [30h] [5 Credits] 🌐		X
○ LLSMS2221	Tutorat et approfondissement		FR [q1] [] [5 Credits] 🌐		X

OPTION CORPORATE SUSTAINABLE MANAGEMENT (LLN) [15.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊙ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🌐 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

[Click on the course title to see detailed informations \(objectives, methods, evaluation...\)](#)

Year

1 2**o Content:**

○ LLSMS2280	Business Ethics and Compliance Management	Carlos Desmet	EN [q1] [30h] [5 Credits] 🌐		X
○ LLSMS2282	Finance and Responsible Investment Practices	Leonardo Iania Claudio Vescovo	EN [q1] [30h] [5 Credits] 🌐		X
○ LLSMS2221	Tutorat et approfondissement		FR [q1] [] [5 Credits] 🌐		X

OPTION SOURCING AND PROCUREMENT (LLN) [15.0]

The Kronos Group Chair "Strategic Sourcing and Procurement" is the fruit of a collaboration between Kronos Group and Louvain School of Management.

The objective of the Chair is to promote research and education in the sourcing and procurement domain, contributing to fostering the profession to continue its transformation into a value creating and strategic profession.

The research in the Chair aims at empirical, economic and strategic studies of procurement under transformation, in particular the innovative, ethical and environmental dimensions of the area.

For more information : <https://uclouvain.be/en/research-institutes/lidam/core/kronos-chair-in-sourcing-and-procurement.html> (<https://uclouvain.be/en/research-institutes/lidam/core/kronos-chair-in-sourcing-and-procurement.html>)

- Mandatory
- ✘ Optional
- △ Not offered in 2022-2023
- ⊖ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year

1 2

o Content:

● LLSMS2036	Supply Chain Procurement	Constantin Blome Antony Paulraj (compensates Per Joakim Agrell)	EN [q1] [30h] [5 Credits] 🌐		x
● LLSMS2037	Sourcing Strategy	Constantin Blome Michael Henke	EN [q1] [30h] [5 Credits] 🌐		x
● LLSMS2038	Procurement Organisation and Scope	Constantin Blome	EN [q1] [30h] [5 Credits] 🌐		x

OPTION TAX SYSTEMS (ICHEC) [15.0]

For more information, please visit <https://www.ichec.be/fr/master-en-gestion-de-lentreprise>

- Mandatory
- ✘ Optional
- △ Not offered in 2022-2023
- ⊖ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🌐 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Courses are organised during the whole term in the evening.

Year

1 2

o Content:

● LFISC2210	Taxation of mergers and acquisitions (in French)		[FR] [q1] [60h] [3 Credits] 🌐		x
● LFISC2220	Corporate tax and reporting practice (in French)		[FR] [q1] [60h] [8 Credits] 🌐		x
● LFISC2230	Introduction to International and European Taxation (in French)		[FR] [q1] [60h] [4 Credits] 🌐		x

Alternatives

- > [Master \[120\] : Business Engineering \[CEMS Programme\]](https://uclouvain.be/en-prog-2022-ingm2m-programme) [<https://uclouvain.be/en-prog-2022-ingm2m-programme>]
 > [Master \[120\] : Business Engineering \[i square\]](https://uclouvain.be/en-prog-2022-ingm2m-programme) [<https://uclouvain.be/en-prog-2022-ingm2m-programme>]

MASTER [120] : BUSINESS ENGINEERING [CEMS PROGRAMME]

- Mandatory
- ✘ Optional
- △ Not offered in 2022-2023
- ⊙ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🌐 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year

1 2

o Tronc commun

o CEMS Annual Block 1

Students who choose the CEMS programme will have a Master's degree of more than 120 credits. Students who do not wish to exceed 120 Master's credits are invited to choose another programme.

○ LLSMF2901	Technological Project	Olivier de Broqueville Tatiana Hendrix Manuel Kolp Bernard Paque (compensates Manuel Kolp) Marco Saerens Pierre Semal Mathieu Van Vyve Jean Vanderdonck	EN [q1] [60h+15h] [10 Credits] 🌐	X
○ LLSMS2220	Seminar on Current Managerial Issues	Per Joakim Agrell	EN [q1+q2] [22.5h+7.5h] [2 Credits] 🌐	X

o Corporate Social Responsibility (5 credits)

1 course between :

✘ LLSMS2397	Corporate Social Responsibility (in dutch)	Sabine Denis	NL [q1] [30h] [5 Credits] 🌐	X
✘ LLSMF2905	Corporate Social Responsibility	Carlos Desmet Corentin Hericher Corentin Hericher (compensates Valérie Swaen)	EN [q1] [22.5h+7.5h] [5 Credits] 🌐	X

o CEMS Option (15 credits)

All three courses have to be taken.

○ LLSMS2111	International Business	Sunita Malhotra Frédéric Pouchain	EN [q1] [30h] [5 Credits] 🌐	X
○ LCEMS2108	International Financial Management for CEMS	Denis Knaepen	EN [q1] [30h] [5 Credits] 🌐	X
○ LLSMS2109	International Marketing Management	Isabelle Schuiling	EN [q1] [30h] [5 Credits] 🌐	X

o Seminar (3 credits)

○ LLSMD2090	Seminar on Relational and Managerial Competences	Patrice Gobert Pierre Meurens	EN [q1+q2] [45h+7.5h] [3 Credits] 🌐	X
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o Cems Activities (25 credits)

All 4 courses/activities have to be taken.

○ LLSMF2902	Resource and Energy Management	Paul Belleflamme Yves De Rongé Emmanuel Mossay	EN [q2] [22.5h+15h] [5 Credits] 🌐	X
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				Year	
				1	2
○ LLSMF2904	Managing Complexity	Régis Coeurderoy Loïc Decaux Leonardo Iania	EN [q2] [22.5h+15h] [5 Credits] 🌐	x	
○ LCEMS2114	Business Analytics	Simon Hazée	EN [q2] [30h] [5 Credits] 🌐	x	
○ LCEMS2915	Internship and Career development	Patrice Gobert Pierre Meurens	EN [q1+q2] [15h] [10 Credits] 🌐	x	

o CEMS Annual Block 2

○ LLSMD2901	Mémoire		FR [q1+q2] [] [18 Credits] 🌐		x
○ LLSMD2094	Séminaire d'accompagnement du mémoire	Chantal de Moerloose	FR [q1+q2] [30h] [2 Credits] 🌐	x	x

o CEMS LSM Q3 Courses (18 credits)

CEMS Students who will be at LSM during Q3 need to take the CEMS LSM Q3 courses (18 ECTS credits) as well as 1 full option (15 ECTS credits) among those here below.

○ LLSMS2116	Global Strategy	Benoît Gailly	EN [q1] [30h] [5 Credits] 🌐		x
○ LCEMS2341	Block Seminar (CEMS) : Supply Chain Management	Per Joakim Agrell Constantin Blome	EN [q1] [30h] [3 Credits] 🌐		x
○ LLSMS2112	Supply Chain and sourcing	Per Joakim Agrell Constantin Blome	EN [q1] [30h] [5 Credits] 🌐		x
○ LLSMF2903	Digital Business Systems	Paul Belleflamme Jérôme Coenraets Manuel Kolp	EN [q1] [22.5h+15h] [5 Credits] 🌐		x

o List of electives (15 credits)

1 option among :

✂ Option International Finance (LLN) (15 credits)

○ LLSMS2054	International Finance and crisis management <i>To be replaced by a course from another option</i>	Bertrand Candelon	EN [q1] [30h] [5 Credits] 🌐		x
○ LLSMS2027	Capital markets and innovations	Leonardo Iania	EN [q1] [30h] [5 Credits] 🌐		x
○ LLSMS2091	Cross Cultural Competences and Management	Marc Hellemans (compensates Ina Aust-Gronarz)	EN [q1] [22.5h+7.5h] [5 Credits] 🌐		x

✂ Option Financial Engineering (LLN) (15 credits)

○ LLSMS2224	Forecasting	Bertrand Candelon	EN [q1] [30h] [5 Credits] 🌐		x
○ LLSMS2225	Derivatives pricing	Frédéric Vrins	EN [q2] [30h] [5 Credits] 🌐		x
○ LLSMS2091	Cross Cultural Competences and Management	Marc Hellemans (compensates Ina Aust-Gronarz)	EN [q1] [22.5h+7.5h] [5 Credits] 🌐		x

✂ Option Corporate sustainable Management (LLN) (15 credits)

○ LLSMS2280	Business Ethics and Compliance Management	Carlos Desmet	EN [q1] [30h] [5 Credits] 🌐		x
○ LLSMS2282	Finance and Responsible Investment Practices	Leonardo Iania Claudio Vescovo	EN [q1] [30h] [5 Credits] 🌐		x
○ LLSMS2091	Cross Cultural Competences and Management	Marc Hellemans (compensates Ina Aust-Gronarz)	EN [q1] [22.5h+7.5h] [5 Credits] 🌐		x

✂ Option Marketing Strategy for Connected Brands (LLN) (15 credits)

○ LLSMS2000	Marketing Research	Gordy Pleyers	EN [q1] [30h] [5 Credits] 🌐		x
○ LLSMS2008	Digital Marketing	Isabelle Schuiling	EN [q1] [30h] [5 Credits] 🌐		x
○ LLSMS2091	Cross Cultural Competences and Management	Marc Hellemans (compensates Ina Aust-Gronarz)	EN [q1] [22.5h+7.5h] [5 Credits] 🌐		x

✂ Option Sourcing and Procurement (15 credits)

○ LLSMS2036	Supply Chain Procurement	Constantin Blome Antony Paulraj (compensates Per Joakim Agrell)	EN [q1] [30h] [5 Credits] 🌐		x
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				Year	
				1	2
○ LLSMS2037	Sourcing Strategy	Constantin Blome Michael Henke	EN [q1] [30h] [5 Credits]		x
○ LLSMS2038	Procurement Organisation and Scope	Constantin Blome	EN [q1] [30h] [5 Credits]		x

○ CEMS LSM Q4 Courses (27 credits)

CEMS Students who will be at LSM during Q4 have to take CEMS LSM Q4 compulsory courses (22 ECTS credits) + one course from the list of elective courses CEMS LSM Q4 (5 ECTS credits)

○ LCEMS2343	Global Citizenship	Isabelle Schuiling Valérie Swaen (compensates Isabelle Schuiling)	EN [q2] [30h] [2 Credits]		x
○ LLSMS2117	Business Project (CEMS)	Christophe Lejeune	EN [q2] [30h] [15 Credits]		x
○ LLSMS2066	Global Leadership	Sunita Malhotra	EN [q2] [30h] [5 Credits]		x

○ List of elective courses CEMS LSM Q4 (5 credits)

One course to select among the list of elective courses CEMS LSM Q4 (5 ECTS credits)

⊗ LLSMS2032	Advanced Operations Management : Models and Applications	Philippe Chevalier Olivier Corluy (compensates Philippe Chevalier)	EN [q2] [30h] [5 Credits]		x
⊗ LLSMS2034	Supply Chain Planning	Marc Foret Mathieu Van Vyve	EN [q2] [30h] [5 Credits]		x
⊗ LLSMF2011	Knowledge Management	Julie Hermans Manuel Kolp	EN [q2] [30h] [5 Credits]		x
⊗ LLSMS2043	Innovation Policy and Ecosystems	Benoît Gailly	EN [q2] [30h] [5 Credits]		x
⊗ LLSMS2374	Economics of the Internet	Paul Belleflamme	EN [q2] [30h] [5 Credits]		x
⊗ LLSMS2140	Financial Risk	Anh Nguyen James Thewissen	EN [q2] [30h] [5 Credits]		x
⊗ LLSMS2012	Macro Finance	Leonardo Iania	EN [q2] [30h] [5 Credits]		x
⊗ LLSMS2226	Credit and interest rate risk	Frédéric Vrins	EN [q2] [30h] [5 Credits]		x
⊗ LLSMS2138	Big data in finance	Nathan Lassance	EN [q2] [30h] [5 Credits]		x
⊗ LLSMS2003	Brand Management	Isabelle Schuiling	EN [q2] [30h] [5 Credits]		x
⊗ LLSMS2283	Sustainable Human Resource Management and Leadership	Ina Aust-Gronarz	EN [q2] [30h] [5 Credits]		x
⊗ LLSMS2284	Corporate Sustainability Reporting and Marketing Strategy	Yves De Rongé Valérie Swaen	EN [q2] [30h] [5 Credits]		x
⊗ LCPME2005	Social and Sustainable Entrepreneurship	Julie Hermans	EN [q2] [30h] [5 Credits]		x
⊗ LLSMS2114	Entrepreneurship: topical and international aspects	Frank Janssen	EN [q2] [30h] [5 Credits]		x
⊗ LLSMS2223	Principles of banking regulation and supervision	Bertrand Candelon	EN [q2] [30h] [5 Credits]		x

○ CEMS Seminars

Cems Students need to attend Soft Skills Seminars during both annual blocks.

○ Exchange

Cems Students who will be on exchange need to register for courses on Mob-i.

⊗ CEMS Language Courses

Cems students can take 1 CEMS language course at UCLouvain (ILV) to fulfill the CEMS language requirements. List available on uclouvain.be/en/faculties/lsm/cems-curriculum.html

○ Liste au choix de finalités INGM2M

○ Professional Focus (30 credits)

○ Content:

MASTER [120] : BUSINESS ENGINEERING [1 SQUARE]

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊖ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫🌐 Not open to incoming exchange students
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year

1 2

o Tronc commun

● MLSMM2200	Final Master's Thesis		(FR) [q1+q2] [] [18 Credits] 🌐		X
● MLSMM2201	Master's Thesis Seminar	Julie Hermans	(FR) [q1+q2] [30h] [2 Credits] 🌐		X
● MLSMM2202	Internship with Coaching	Catherine D'Hondt Isabelle Platten	(FR) [q1+q2] [30h] [10 Credits] 🌐		X

o Foreign languages - advanced level 1 (5 credits)

English is compulsory. The student then chooses Dutch or Spanish (following his Bachelor / preparatory module choice) until the end of his Master's cycle.

● MANG2163	Advanced English 1	Céline Gouverneur (coord.) Caroline Lambert Guy Monfort Quentin Zèques	(EN) [q1+q2] [0h+30h] [2 Credits] 🌐		X
⊗ MNEER2164	Advanced Dutch 1	Erika Copriau (coord.) Bruno Michiels	(NL) [q1+q2] [0h+30h] [3 Credits] 🌐		X
⊗ MESPA2165	Advanced Spanish 1	Juan Francisco Hernandez Rodriguez (coord.)	(ES) [q1+q2] [0h+30h] [3 Credits] 🌐		X

o Foreign languages - advanced level 2 (5 credits)

● MANG2236	Advanced English 2	Caroline Lambert Guy Monfort Quentin Zèques (coord.)	(EN) [q1] [30h] [3 Credits] 🌐		X
⊗ MNEER2238	Advanced Dutch 2	Bruno Michiels (coord.)	(NL) [q1] [30h] [2 Credits] 🌐		X
⊗ MESPA2237	Advanced Spanish 2	Juan Francisco Hernandez Rodriguez (coord.)	(ES) [q1] [30h] [2 Credits] 🌐		X

⊗ Bloc annuel 1 du parcours i² en électromécanique (15 credits)

Cours à suivre "hors programme" qui complètent les cours déjà suivis à la HELHa en cycle de bachelier. L'ensemble constitue 45 ECTS de "module complémentaire" pour l'accès au Master Ingénieur Industriel HELHa.

● MHELH2111	Électrotechnique 1		(FR) [q1] [24h] [2 Credits] 🌐		X
● MHELH2112	Introduction à la conception mécanique		(FR) [q2] [30h+30h] [5 Credits] 🌐		X
● MHELH2113	Électrotechnique 2		(FR) [q2] [48h] [4 Credits] 🌐		X
● MHELH2114	Introduction Energie et Techniques Spéciales		(FR) [q2] [36h] [4 Credits] 🌐		X

⊗ Bloc annuel 2 du parcours i² en électromécanique (30 credits)

Cours à prendre en remplacement de l'option et du cours au choix du bloc annuel 2.

● MHELH2211	Electricité industrielle		(FR) [q1] [36h+12h] [5 Credits] 🌐		X
● MHELH2212	Automatique		(FR) [q1] [10h+30h] [4 Credits] 🌐		X
● MHELH2214	Réseaux industriels		(FR) [q1] [24h] [2 Credits] 🌐		X
● MHELH2215	Cours à option		(FR) [q1] [120h] [10 Credits] 🌐		X
● MHELH2216	Hydraulique et pneumatique		(FR) [q2] [24h+12h] [3 Credits] 🌐		X
● MHELH2217	Electronique et électrotechnique appliquées		(FR) [q2] [36h+32h] [6 Credits] 🌐		X

⌘ Bloc annuel 1 du parcours i² en biochimie (15 credits)

Cours à suivre "hors programme" qui complètent les cours déjà suivis à la HELHa en cycle de bachelier. L'ensemble constitue 45 ECTS de "module complémentaire" pour l'accès au Master Ingénieur Industriel HELHa.

○ MHELH2101	Sciences des polymères		FR [q2] [30h] [3 Credits] 🌐	X	
○ MHELH2102	Biochimie		FR [q2] [36h] [3 Credits] 🌐	X	
○ MHELH2103	Chimie industrielle		FR [q1] [30h] [4 Credits] 🌐	X	
○ MHELH2104	Chimie organique		FR [q1+q2] [64h] [5 Credits] 🌐	X	

⌘ Bloc annuel 2 du parcours i² en biochimie (30 credits)

Cours à prendre en remplacement de l'option et du cours au choix du bloc annuel 2.

○ MHELH2201	Analyse approfondie de la matière		FR [q1] [58h+48h] [10 Credits] 🌐		X
○ MHELH2202	Biotechnologie industrielle		FR [q1] [30h] [3 Credits] 🌐		X
○ MHELH2203	Biochimie et biotechnologie		FR [q1] [72h+16h] [8 Credits] 🌐		X
○ MHELH2204	Biopharmacie		FR [q1] [44h] [5 Credits] 🌐		X
○ MHELH2205	Chimie de l'eau		FR [q1] [30h+16h] [4 Credits] 🌐		X

○ Liste au choix de finalités INGM2M

○ Professional Focus (30 credits)

○ Content:

○ MLSMM2220	Seminar on Current Managerial Issues	Olivier de Wasseige Alain Vas	EN [q1+q2] [30h+0h] [5 Credits] 🌐	X	
○ MLSMM2116	Data Analytics	François Fouss	FR [q1] [30h] [5 Credits] 🌐	X	
○ MLSMM2117	Quantitative Project & Project Management	Jean-Sébastien Tancrez	FR [q2] [75h] [10 Credits] 🌐	X	
○ MLSMM2217	Integrated Information Systems	Bart Jourquin	FR [q1] [30h] [5 Credits] 🌐		X
○ MLSMM2219	Strategic Management of the Firm: Translating Strategy into Action	Nadia Sinigaglia	FR [q1] [30h] [5 Credits] 🌐	X	

○ List of electives

The LSM student engaged in the "i²" course must choose one of the following majors :

⌘ Major "i carré" (Mons) (30 credits)

Cette majeure n'est accessible qu'aux étudiants (UCLouvain et HELHa) engagés dans le programme spécifique "i carré".

○ Content:

○ Quadrimestre 1

○ MLSMM2263	Doing Entrepreneurship	David Valentiny (compensates Amélie Jacquemin)	FR [q1] [30h] [5 Credits] 🌐	X	
○ MLSMM2262	Entrepreneuriat technologique	David Valentiny (compensates Julie Hermans)	FR [q1] [30h] [5 Credits] 🌐		X
○ MLSMM2261	Collective Entrepreneurship	Julie Hermans	FR [q1] [30h] [5 Credits] 🌐		X

○ Quadrimestre 2

○ MLSMM2134	e-Consumer Behavior	Karine Charry	FR [q2] [30h] [5 Credits] 🌐		X
○ MLSMM2135	Methods & Models in Marketing	Caroline Ducarroz Nadia Sinigaglia	FR [q2] [30h] [5 Credits] 🌐		X
○ MLSMM2136	Trends in Digital Marketing	Ingrid Poncin	FR [q2] [30h] [5 Credits] 🌐		X

⌘ Major Business Analytics (Mons) (30 credits)

○ Content:

○ Term 1

○ MLSMM2152	New Technologies & Emerging Practices	Bart Jourquin	EN [q1] [30h] [5 Credits]	X
○ MLSMM2151	Data Mining	Abdessamad Ait El Cadi (compensates Nadine Meskens)	EN [q1] [30h] [5 Credits]	X
○ MLSMM2153	Web Mining	François Fouss Corentin Vande Kerckhove (compensates François Fouss)	EN [q1] [30h] [5 Credits]	X

○ Term 2

○ MLSMM2154	Machine Learning	Marco Saerens	EN [q2] [30h] [5 Credits]	X
○ MLSMM2155	Quantitative Decision Making	Luciano Porretta (compensates Daniele Catanzaro)	EN [q2] [30h] [5 Credits]	X
○ MLSMM2156	Recommender Systems	Corentin Vande Kerckhove	EN [q2] [30h] [5 Credits]	X

⌘ Major Business Analytics & Digital Marketing (Mons) (30 credits)

○ Content:

○ Term 1

○ MLSMM2151	Data Mining	Abdessamad Ait El Cadi (compensates Nadine Meskens)	EN [q1] [30h] [5 Credits]	X
○ MLSMM2152	New Technologies & Emerging Practices	Bart Jourquin	EN [q1] [30h] [5 Credits]	X
○ MLSMM2153	Web Mining	François Fouss Corentin Vande Kerckhove (compensates François Fouss)	EN [q1] [30h] [5 Credits]	X

○ Term 2

○ MLSMM2134	e-Consumer Behavior	Karine Charry	EN [q2] [30h] [5 Credits]	X
○ MLSMM2135	Methods & Models in Marketing	Caroline Ducarroz Nadia Sinigaglia	EN [q2] [30h] [5 Credits]	X
○ MLSMM2136	Trends in Digital Marketing	Ingrid Poncin	EN [q2] [30h] [5 Credits]	X

Course prerequisites

The **table** below lists the activities (course units, or CUs) for which there are one or more prerequisites within the programme, i.e. the programme CU for which the learning outcomes must be certified and the corresponding credits awarded by the jury before registering for that CU.

These activities are also identified **in the detailed programme**: their title is followed by a yellow square.

Prerequisites and student's annual programme

As the prerequisite is for CU registration purposes only, there are no prerequisites within a programme year. Prerequisites are defined between CUs of different years and therefore influence the order in which the student will be able to register for the programme's CUs.

In addition, when the jury validates a student's individual programme at the beginning of the year, it ensures its coherence, meaning that it may:

- require the student to combine registration in two separate CUs which it considers necessary from a pedagogical point of view.
- transform a prerequisite into a corequisite if the student is in the final year of a degree course.

For more information, please consult the [Academic Regulations and Procedures](https://uclouvain.be/fr/decouvrir/rgee.html) (<https://uclouvain.be/fr/decouvrir/rgee.html>).

Prerequisites list

MANGL2236 "[Advanced English 2](#)" has prerequisite(s) MANGL2163

- MANGL2163 - [Advanced English 1](#)

MESPA2237 "[Español avanzado 2](#)" has prerequisite(s) MESPA2165

- MESPA2165 - [Advanced Spanish 1](#)

MNEER2238 "[Nederlands voor gevorderden 2](#)" has prerequisite(s) MNEER2164

- MNEER2164 - [Advanced Dutch 1](#)

The programme's courses and learning outcomes

For each UCLouvain training programme, a [reference framework of learning outcomes](#) specifies the the skills expected of every graduate on completion of the programme. Course unit descriptions specify targeted learning outcomes, as well as the unit's contribution to reference framework of learning outcomes.

INGM2M - Information

Access Requirements

Master course admission requirements are defined by the French Community of Belgium Decree of 7 November 2013 defining the higher education landscape and the academic organisation of courses.

General and specific admission requirements for this programme must be satisfied at the time of enrolling at the university.

Unless explicitly mentioned, the bachelor's, master's and licentiate degrees listed in this table or on this page are to be understood as those issued by an institution of the French, Flemish or German-speaking Community, or by the Royal Military Academy.

In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail.

SUMMARY

- > [General access requirements](#)
- > [Specific access requirements](#)
- > [University Bachelors](#)
- > [Non university Bachelors](#)
- > [Holders of a 2nd cycle University degree](#)
- > [Holders of a non-University 2nd cycle degree](#)
- > [Access based on validation of professional experience](#)
- > [Access based on application](#)
- > [Admission and Enrolment Procedures for general registration](#)

University Bachelors

Diploma	Special Requirements	Access	Remarks
UCLouvain Bachelors			
		Direct access	
		Access based on application	
		Access based on application	
Others Bachelors of the French speaking Community of Belgium			
		Direct access	
		Access based on application	
Bachelors of the Dutch speaking Community of Belgium			
		Direct access	
		Access based on application	
Foreign Bachelors			
		Access based on application	

Non university Bachelors

> Find out more about [links](#) to the university

Holders of a 2nd cycle University degree

Diploma	Special Requirements	Access	Remarks
"Licenciés"			
		Access based on application	
		Access based on application	
Masters			
		Access based on application	

Access based on application

Access based on application

Holders of a non-University 2nd cycle degree

Access based on validation of professional experience

> It is possible, under certain conditions, to use one's personal and professional experience to enter a university course without having the required qualifications. However, validation of prior experience does not automatically apply to all courses. Find out more about [Validation of priori experience](#).

Accès selon la procédure de validation des acquis de l'expérience

Consultez le site www.uclouvain.be/vae

Access based on application

Access based on application : access may be granted either directly or on the condition of completing additional courses of a maximum of 60 ECTS credits, or refused.

Admission and Enrolment Procedures for general registration

Teaching method

This programme, the quality of which has been recognised by external auditors of the international EQUIS accreditation programme, offers four key advantages:

A particularly wide range of specialisation majors and options

With access to over 30 majors/options, students can specialise in the most advanced fields of management. It is general practice for them to further develop their specialist skills and knowledge by selecting the same field for their dissertation and internship. These majors and options are available at both LSM campuses (Mons and Louvain-la-Neuve) and, in most cases, the courses are held over two (maximum three) weekdays to facilitate travel between campuses.

Combination of academic knowledge and workplace experience

The programme is taught by an equal balance of teachers who are also practising researchers in their field and professionals selected for their widely acknowledged experience and expertise. Students must also complete an internship in a company and their dissertation can take the form of an individual final project by addressing an issue or assignment identified during their internship. Links with the business world are a constant of both classroom teaching and the extra-academic activities organised by the School's Corporate unit.

Teaching methods focused on learning and developing transferable skills

In concrete terms, this means that the teaching methods virtually always focus on problem-solving, collaborative learning (case studies, project, problems, simulations) and self-guided work. This approach is supported by compulsory reading, theory classes and lectures, with an equal balance between continuous and final assessment, and between individual and group assessment.

A strong international focus

The international aspect of this programme is supported by a particularly extensive network of exchange partners (over 140 partner business schools), access to the CEMS Master in International Management (we are the only university in Belgium offering this) and the opportunity to obtain a [double degree](#) with one of seven prestigious partner universities.

Evaluation

The evaluation methods comply with the [regulations concerning studies and exams](https://uclouvain.be/fr/decouvrir/rgee.html) (<https://uclouvain.be/fr/decouvrir/rgee.html>). More detailed explanation of the modalities specific to each learning unit are available on their description sheets under the heading "Learning outcomes evaluation method".

Several [assessment methods](#) are used in this programme, with a particular focus on what are known as "active" teaching methods, which encourage students to take an active role in the learning process:

- **continuous assessment** of each student's output/acquired knowledge, individually or in groups: presentations, moderation of debates, written reports;
- **ad hoc assessment** of acquired knowledge via written and oral exams after the six-week course block or during the examination sessions.

To find out more about assessment, click on the title of the course to see the course description.

Mobility and/or Internationalisation outlook

Internationalisation

This Master's programme has the added benefit of offering various mobility and internationalisation options:

- Many LSM courses are taught in English.
- **One term abroad** (30 credits) ([exchange programme](https://uclouvain.be/en/faculties/lsm/erasmus-other-exchanges.html) (<https://uclouvain.be/en/faculties/lsm/erasmus-other-exchanges.html>)) at one of the 145 partner universities that are renowned worldwide for their management courses.
- **One term in Flanders** (30 credits) (Erasmus Belgica) at one of the three partner universities renowned for their management courses.
- A unique opportunity, exclusive in Belgium to LSM, to take the **CEMS Master in International Management** run by the [CEMS](#) Global Alliance in Management Education network, plus exclusive access to the [PIM](#) (Partnership in International Management) network.
- The opportunity to spend the **second year abroad** as part of the **International Business (IB)** programme, which offers an exchange at a partner university and a six-month internship at a company outside the European Union.
- The possibility of obtaining **two Master's degrees** by combining a full year at LSM (UCLouvain) and another full year at a partner university. Several [DDs \(double degrees\)](#) (<https://uclouvain.be/en/faculties/lsm/double-degree.html>) and a [DDD \(dedicated double degree\)](#) are offered in partnership with seven prestigious European universities.

Internships and contact with the business world

The second term of Year 2 of the Master's programme is given over to an internship (minimum three months) at a company or organisation. Completing this work placement and a dissertation (which may or may not be tied in with the internship) offers greater contact with the business world at the end of the programme. With many options for internships or stays abroad, in Europe or elsewhere in the world, students will be better prepared to enter the workplace.

Courses are also given in foreign languages by visiting professors.

Possible trainings at the end of the programme

- [PhD in Management](https://uclouvain.be/en/study-programme/phds-2022-ti.html) (https://uclouvain.be/en/study-programme/phds-2022-ti.html) (Louvain-la-Neuve & Mons)
- [Master \[120\] in Environmental Science and Management](#) (Louvain-la-Neuve)
- [Master \[60\] in Information and Communication](#) (Mons)
- [Master \[60\] in Information and Communication](#) (Louvain-la-Neuve)
- [Teacher Training Certificate \(upper secondary education\) - Management \(shift schedule\)](#)
- ...

Contacts

Curriculum Management

Faculty

Structure entity

SSH/LSM

Denomination

Louvain School of Management ([LSM](#))

Sector

Human Sciences ([SSH](#))

Acronym

LSM

Postal address

Place des Doyens 1 - bte L2.01.01

1348 Louvain-la-Neuve

Website

<http://www.uclouvain.be/lsm>

Mandate(s)

- Dean : Matthieu de Nanteuil
- Administrative director : Helena Torres

Commission(s) of programme

- Commission d'enseignement de la Louvain School of management ([CLSM](#))

Academic supervisor: Julie Hermans

Other academic Supervisor(s)

- François Fouss

Jury

- Patrick Scarmure
- Jean-Sébastien Tancrez

Useful Contact(s)

- Information for future students (Nicolas Hurtado de Jesus - tel. +32 (0)65 323 327): info-mons@uclouvain.be
- Magaly Duquesne
- François Fouss

