



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;
 -

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



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 part 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.

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 Euro5eng5ai1e th tote withsee 1er xclusiv

Detailed programme by subject

CORE COURSES

- Mandatory
- ✘ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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	
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PROFESSIONAL FOCUS [30.0]

- Mandatory
- ✂ Optional
- △ Not offered in 2024-2025
- ⊙ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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

Options (alternative à l'échange)

- > Option Transport & Logistics (Mons) [en-prog-2024-ingm2m-lgest563o]
- > Option Entrepreneurship (Mons) [en-prog-2024-ingm2m-lgest564o]
- > Option Professional Immersion in Digital Marketing (Mons) [en-prog-2024-ingm2m-lgest565o]
- > Option Marketing Decision (Mons) [en-prog-2024-ingm2m-mgesm205o]
- > Option Finance and Transition I (Mons) [en-prog-2024-ingm2m-mingm203o]
- > Option International Finance (LLN) [en-prog-2024-ingm2m-lgesm594o]
- > Option Financial Engineering (LLN) [en-prog-2024-ingm2m-lingm575o]
- > Option Marketing Strategy for Connected Brands (LLN) [en-prog-2024-ingm2m-lgesm561o]
- > Option Corporate Sustainable Management (LLN) [en-prog-2024-ingm2m-lgesm589o]
- > Option Sourcing and Procurement (LLN) [en-prog-2024-ingm2m-linge597o]
- > Option Finance (ICHEC) [en-prog-2024-ingm2m-mingm226o]
- > Option Tax Systems (ICHEC) [en-prog-2024-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-depht study (in French).

MAJOR BUSINESS ANALYTICS (MONS) [30.0]

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

- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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	FR [q1] [30h] [5 Credits] 🌐	X	
○ MLSMM2153	Web Mining	François Fouss Corentin Vande Kerckhove	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 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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	[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	[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 TACTICAL & DIGITAL MARKETING DECISIONS (MONS) [30.0]

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

- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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] 🌐 > English-friendly	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 2024-2025
 - ⊖ Not offered in 2024-2025 but offered the following year
 - ⊕ Offered in 2024-2025 but not the following year
 - △ ⊕ Not offered in 2024-2025 or the following year
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MAJOR SUPPLY CHAIN MANAGEMENT [30.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the previous year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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, D)

Click on the course code to access more information (objectives, methods, evaluation...)

This LLN major only contains 2 courses during the first year. Students from the Mons campus wishing to follow it will have the LLSMS2221 course added in order to guarantee the 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
● LLSMS2030							

● LLMS2030

MAJOR INNOVATION MANAGEMENT (LLN) [30.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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
● LLSMS2040	Innovation Management I	Benoît Gailly	(FR) [q1] [30h] [5 Credits]	X
● LLSMS2042	Innovation Management II	Benoît Gailly	(EN) [q1] [30h] [5 Credits]	X
● LLSMS2041	Economics of Innovation	Paul Belleflamme		

Term 2

● LLSMF2011	Knowledge Management	Julie Hermans Manuel Kolp	(EN) [q2] [30h] [5 Credits]	X
● LLSMS2041	Economics of Innovation	Paul Belleflamme	(FR) [q2] [30h] [5 Credits]	X

MAJOR INTERNATIONAL FINANCE (LLN) [30.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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

MAJOR FINANCIAL ENGINEERING (LLN) [30.0]

- Mandatory
 - ✘ Optional
 - △ Not offered in 2024-2025
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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](#). You can find the major's brochure [here](#).

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

- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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		

MAJOR ENERGY MANAGEMENT (LLN) [30.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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

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o Content:

o Term 1

● LLSMS2221

Tutorat et approfondissement

(FR) [q1] [] [5 Credits] 1y S Q 1 0.7529 0.760 0 1 -1995 7

LSM MONS COURSES (IF NO EXCHANGE) [5.0]

COURS AU CHOIX [5.0]

- Activity with requisites
- Mandatory
- Open to incoming exchange students
- △ Not offered in 2024-2025
- Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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	Marie Lamensch	(EN) [q1] [30h] [5 Credits] > French-friendly		x

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

OPTION MARKETING DECISION (MONS) [15.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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 Marketactical & Digital Mark. & Digital Marketacticts

OPTION FINANCE (ICHEC) [15.0]

- Mandatory
- ✘ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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 accessible under conditions to Master's [120] Business Engineer students.

Year

1 2

o Content:

● EICHE1018	Advanced Financial Analysis and Reporting <i>UE ICHEC donnée sur leur campus de Bruxelles (site</i>
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Alternatives

> [Master \[120\] : Business Engineering \[i square\]](https://uclouvain.be/en-prog-2024-ingm2m-programme) [<https://uclouvain.be/en-prog-2024-ingm2m-programme>]

MASTER [120] : BUSINESS ENGINEERING [I SQUARE]

- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊕ Not offered in 2024-2025 but offered the following year
- ⊖ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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

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○ MLSMM2200	Final Master's Thesis		EN [q1+q2] [] [18 Credits] 🌐		X
○ MLSMM2201	Master's Thesis Seminar	Caroline Demeyere (compensates) Julie Hermans Julie Hermans	FR [q1+q2] [30h+30h] [2 Credits] 🌐		X
○ MLSMM2202	Internship with Coaching	Catherine D'Hondt Isabelle Platten	FR [q1+q2] [30h+22.5h] [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.

○ MANGL2163	Advanced English 1	Jessica Degroote (coord.) Caroline Lambert Guy Monfort	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)

○ MANGL2236	Advanced English 2	Céline Gouverneur (compensates)			
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				Year	
				1	2
<input type="radio"/>	EHELH2115	Electronique appliquée		PR [q1] [30h] [3 Credits]	x

0 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 du programme "classique".

<input type="radio"/>	MHELH2211	Electricité industrielle		PR [q1] [36h+12h] [5 Credits]	x
<input type="radio"/>	MHELH2212	Automatique		PR [q1] [10h+30h] [4 Credits]	x
<input type="radio"/>	MHELH2214	Informatique Avant 2024-2025 : Réseaux industriels		PR [q1] [24h] [2 Credits]	x
<input type="radio"/>	MHELH2215	Cours à option		PR [q1] [120h] [10 Credits]	x
<input type="radio"/>	MHELH2216	Hydraulique et pneumatique		PR [q1] [36h] [3 Credits]	x
<input type="radio"/>	MHELH2217	Electronique		PR [q1] [54h] [6 Credits]	x

⊗ I² track in biochemistry

0 Bloc annuel 1 du parcours i² en biochimie (9 credits)

Cours à suivre "hors programme" qui complètent les cours déjà suivis à la HELHa en cycle de bachelier.

<input type="radio"/>	MHELH2103	Chimie industrielle		PR [q1] [30h] [4 Credits]	x
<input type="radio"/>	MHELH2104	Chimie organique		PR [q1+q2] [64h] [5 Credits]	x

0 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 du programme "classique".

<input type="radio"/>	MHELH2205				
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○ **Quadrimestre 1**

○ MLSMM2263	Entrepreneurial Change Making	Amélie Jacquemin	EN [q1] [30h] [5 Credits]  > French-friendly	
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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](#).

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 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.

Bachelor Management Engineer		Direct access	> Online enrolment
Other Bachelor degrees	Meet the conditions générales et spécifiques d'accès .	Access based on application	If the conditions spécifiques et générales are met, application-based enrolment is possible with a maximum of 60 crédits supplementary classes > Online enrolment
Bachelors of the Dutch speaking Community of Belgium			
Bachelor handelsingenieur		Direct access	> Online enrolment
Other Bachelor degrees			

Non-Belgian Master's university degree issued by a recognized institution	Meet the general and specific access requirements .	Access based on application	credits into the master's programme > Submit a UCLouvain online access request
			If general and specific requirements are met > Submit a UCLouvain online access request

Holders of a non-University 2nd cycle degree

Degrees and titles corresponding to 2nd cycle non-university degrees do not allow access to the programme.

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](#).

For professionals who wish to acquire basic training in management sciences, consult Master [60] in Management (shift schedule) (Mons site) or Master [60] in Management (shift schedule) (Charleroi site).

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.

In the event of access on file, and depending on the diploma you hold, please refer to the "general and specific conditions of access" which can be downloaded in PDF format by simply clicking on the hyperlinks given in the tables above.

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

