

At Louvain-la-Neuve - 120 credits - 2 years - Day schedule - In englishDissertation/Graduation Project : **YES** - Internship : **optional**Activities in English: **YES** - Activities in other languages : **NO**Activities on other sites : **NO**Main study domain : **Sciences de l'ingénieur et technologie**Organized by: **Ecole Polytechnique de Louvain (EPL)**Programme acronym: **info2m** - Francophone Certification Framework: 7**Table of contents**

Introduction	2
Teaching profile	3
- Learning outcomes	3
- Programme structure	4
- Detailed programme	6
- Programme by subject	6
- Course prerequisites	19
- The programme's courses and learning outcomes	19
Information	20
- Admission	20
- Teaching method	23
- Evaluation	23
- Mobility and/or Internationalisation outlook	23
- Possible trainings at the end of the programme	24
- Contacts	24

INFO2M - Introduction

Introduction

Introduction

This Master's degree programme strikes a balance between "soft skills" and scientific/technical skills as well as between high quality research and practical field work. It offers

- the study of computer science based on fundamental concepts, the value of which goes beyond rapidly evolving technology;
- a programme taught entirely in English to improve students' language skills (technical written and spoken English);
- exchange programs and dual degrees in Belgium, Europe and throughout the world.

As with the Bachelor's degree in civil engineering, this programme seeks to train well-rounded engineers by offering majors in related disciplines such as applied math, or electronics and communication.

Your Profile

You would like to

- **imagine, design and implement** computer systems that will shape the future;
- **focus on computer science and engineering** after having studied science and technology (math, mechanics, electricity, chemistry, etc.) as an undergraduate student;
- improve your **theoretical knowledge** and develop technical skills;
- increase your **interdisciplinary knowledge** in areas such as foreign languages, resource management, teamwork, autonomy and ethics;
- expand your training to include management and small and medium sized business creation;
- take advantage of a programme taught entirely in **English**.

Your Future Job

We train

- **scientists** who know how to investigate a sharp problematic using scientific literature in the field;
- **professionals** who will design information systems that correspond to user needs;
- **innovators** who can master a wide range of technology and record its progress;
- **specialists** capable of implementing software solutions with particular attention to product quality and the development process.

Your Programme

This Master's degree consists of:

- a **compulsory part** providing the knowledge necessary to model and design complex applications
- a major of your choice that allows you to acquire cutting edge knowledge in an area of interest
- at the heart of computer sciences: **artificial intelligence, computer networks, cryptography and information security, software engineering, and system programming;**
- at the frontier with other engineering sciences: **communication networks, applied mathematics and data science, biomedical engineering, and bioinformatics;**
- beyond computer science: **management and small and medium sized business creation;**
- **elective courses** that allow you to focus your training on your areas of interest, whether they be computer science or any other discipline (electricity, management, business creation, languages);
- a **graduation project** (representing half your workload during the last year) offers the possibility to discuss a subject in-depth. Due to its size and scope, this project allows for an initiation into the working life of computer scientists and/or researchers. The project's subject is selected in consultation with the programme heads and possibly a company.

INFO2M - Teaching profile

Learning outcomes

Designers and developers of tomorrow's computer systems are confronted with two major challenges:

- computer systems that are increasingly complex
- areas of application that are increasingly varied

To meet these challenges, the future Master's degree holder in computer science must:

- master current computer science technologies but also manage and ascertain their progress,
- innovate by integrating elements linked to artificial intelligence, software engineering and security networks into computer systems,
- work as a member of a multidisciplinary team and act as an interface between the development team and other participants involved in the scientific or technical issues of the project.

The future computer science engineer will acquire the skills and knowledge necessary to become:

- a professional engineer capable of integrating several scientific and technical disciplines in the area of information technology
- an individual with field experience, capable of putting his/her knowledge into practice and use ever evolving high performance tools (both in research and technology)
- a specialist having acquired cutting edge knowledge in his/her field of study, for example artificial intelligence, security networks, software engineering and programming systems
- a manager who manages team projects

Polytechnic and multidisciplinary, the training offered by the Louvain School of Engineering (EPL) emphasises a combination of theory and practice open to computer science in all its dimensions (analysis, design, development, implementation, maintenance, research and innovation) including those pertaining to ethics.

International possibilities:

English is the most widely used language in companies particularly those in the technical sector. This Master's degree programme is thus taught in English and provides its participants with the opportunity to acquire solid oral and written English language skills. Offering a Master's degree in English, is proof of our international status. The use of English allows us to welcome international students all the while allowing these students to be immersed in a francophone environment. It also includes exchange programs and dual diplomas with foreign universities.

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

1. demonstrate their mastery of a **solid body of knowledge and skills** in computer science allowing them to solve problems associated with their field of study

- Confronted with a computer science problem, diploma holders **can identify concepts, algorithms, and applicable data structures** to find a solution and can break the problem down into its component parts in order to formulate computer-based problem solving methods.
- Confronted with a problem in their field of study, diploma holders can **choose the proper problem solving tools** (for example, development environment, programming language, software and software packages) that will allow them to find the correct software solution to the problem in question.
- Confronted with the results obtained through reasoning as well as the use of tools and concepts, diploma holders are able to step back and ascertain the relevance and the quality of their results. To do so, diploma holders develop tests and relevant checks to **ensure they have developed quality solutions**.

2. organise and **develop a computer system** that meets the complex needs of a client

- Before working on a solution, **graduates explore and analyse all aspects of a problem** using the documentation at their disposal and consult with future system users. Graduates then will produce a specifications note that describes not only the system requirements but also its time constraints and ease of use for future users.
- In the design phase, graduates will **imagine and model the computer system under development** in terms of functional components (subsystems) in such a way as to facilitate and optimise development. They will capitalise on the available technology and programme verification methods to ensure the quality of the software system from the very beginning of the design stage.
- In the analysis phase, graduates will itemise, **evaluate and compare different technologies** (material, languages, algorithms, routing) with the goal of prioritising those that best correspond to different performance and quality criteria specified in the specifications note.
- In the implementation stage, graduates will demonstrate *their mastery of the principles, techniques and development tools* at their disposal. They will create a software prototype in order to verify that the software corresponds to the clients' needs and will run a battery of tests to ensure that the proposed solution corresponds to the specifications note. By applying validation techniques and programme verifications, graduates can identify and locate bugs as well as their fixes.

- On the basis of a prototype, **graduates design and ensure follow up through a quality control plan**: monitoring, optimisation, maintenance, detection of break downs, communication protocols and intervention in the case of failure. They can use metrics and tools to evaluate and validate the structural quality of a software system in terms of its security and maintainability.
3. organise and carry out a research project to **understand a new problem** in their area of study
- confronted with a new computer problem, graduates will **explore** the area in question and obtain the necessary information to **complete a situational analysis** using the various resources at their disposal (library, Internet, researchers, industry experts)
 - In the graduation project (possibly paired with a company internship) on a new problem, graduates **construct a model** of the underlying phenomenon from a computer science perspective
 - On the basis of this model, **graduates formulate and test different computer devices capable of solving the problem in question** (for example, computerised processing of an image by a scanner to facilitate medical diagnosis)
 - Once in possession of the experimental results, graduates summarise their conclusions in a report, where they also discuss **how key variables influenced the behaviour of the phenomenon being studied**. Based on their results, graduates will make recommendations about how to **develop and implement innovative technical solutions** for the problems in question.
4. Participate in a group project
- As a member of a team project, graduates will collaborate to study a problem and its context with the goal of itemising its different parts, issues and constraints. They will then collaborate **to draft a specifications note reiterating the key elements of the project framework**: problem and solution, objectives and performance indicators, risks, deadlines, resource limits, etc.
 - Once the project framework is defined, graduates **collaborate on a plan of action**. The team agrees to work collectively on a work schedule, the intermediary steps, the division of labour and project deadlines.
 - Team members share their knowledge and skills **to solve problems collectively** that are raised over the course of the project whether they are technical or not. Graduates are able to step back when necessary to overcome team difficulties or conflicts:
 - Mindful of the commitments made during the course of the project, graduates alert their teammates about decisions that need to be made in the event of a problem. Through steering committee meetings, graduates **make the necessary decisions** to organise or reorganise project objectives.
5. Communicate effectively orally and in writing with the goal of carrying out projects (in particular in English)
- Faced with a computer development project, graduates are able to identify and question the relevant actors. **Through their exchanges with those involved in the project, graduates assess the project environment and relevant issues**, which requires them to specify their needs, expectations and limits in a specifications note while keeping in mind system functionalities as well as the conditions for use (interfaces with other applications, maintenance, progress, etc.)
 - By communicating, **graduates take into account the fact that their interlocutors have not necessarily mastered the language of computers** and do not have the same idea of the issues and solutions envisaged by computer science.
 - In certain critical phases of a project, there are collective choices to be made. To facilitate decision making, the graduate must **be capable of providing his/her interlocutors with a summary of the situation and its issues**. To this end, he/she is capable of communicating necessary information by using schemas or graphs of the computer system.
 - Graduates know how to use reference materials or computer language or software manuals in both English and French. They **understand technical reports written in English**.
 - During the development of a computer application, graduates **can ensure the tracking and documentation in a concise and precise language**: specifications note, software structures and their related data, operating modes. Graduates are also capable of drafting summary reports that describe their design and technology choices.
6. Demonstrate autonomy, rigor, openness, critical thinking as well as a sense of ethics when doing your job
- In their fields of study, students **master the technical vocabulary and usage standards** that allow them to easily understand a scientific article or technical document or to communicate with specialists in their field.
 - Graduates will take into account the socio-economic aspects of a project in the specifications note, in particular the compatibility between technological progress and ethical standards
 - Regarding the development of an application that meets an industrial challenge or provides an important service (for example ambulance management), **graduates will ensure the robustness and feasibility** of the application for its users.
 - Confronted with a new problem, **graduates autonomously acquire and use information and computer tools that they need to solve the problem** even if they have not explicitly learned about them during their coursework.

Programme structure

The Master's degree programme consists of four parts:

- Core curriculum, focused on the graduation project (38 credits)
- Required final specialisation (30 credits)
- One or more majors (20 to 52 credits)
- Elective courses (0 to 52 credits)

The graduation project is normally completed during the 2nd year. Regarding required and elective courses, students may (depending on their major) take these courses in the 1st or 2nd year as long as they have completed the course prerequisites. This is particularly

the case for students who completed part of their education abroad. The yearly distribution of activities as outlined in the detailed programme is subject to change.

Furthermore, students have the opportunity to broaden their education by enrolling in non-technical elective courses if they have a clear objective in mind.

For a programme-type, and regardless of the focus, options/or elective courses selected, this master will carry a minimum of 120 credits divided over two annual units, corresponding to 60 credits each.

> [Core courses for the Master in computer science and engineering](#) [en-prog-2017-info2m-linfo220t.html]

> [Professional focus](#) [en-prog-2017-info2m-linfo220s]

Options courses

- > [Majors for the Master's degree in computer science and engineering](#) [en-prog-2017-info2m-linfo300r.html]
 - > [Major in Artificial Intelligence: big data, optimization and algorithms](#) [en-prog-2017-info2m-linfo301o.html]
 - > [Major in software engineering and programming systems](#) [en-prog-2017-info2m-linfo302o.html]
 - > [Major in Security and Networking](#) [en-prog-2017-info2m-linfo303o.html]
 - > [Major in Data science and Applied Mathematics](#) [en-prog-2017-info2m-linfo304o.html]
 - > [Option en Cryptography and information security](#) [en-prog-2017-info2m-linfo305o.html]
 - > [Major in biomedical engineering](#) [en-prog-2017-info2m-linfo307o.html]
- > [Major in business creation and management](#) [en-prog-2017-info2m-linfo310r.html]
 - > [Major in small and medium sized business creation](#) [en-prog-2017-info2m-linfo311o.html]
 - > [Major Business risks and opportunities](#) [en-prog-2017-info2m-lfsa220o.html]
- > [Elective courses](#) [en-prog-2017-info2m-linfo320r.html]
 - > [Elective courses](#) [en-prog-2017-info2m-linfo957o.html]
 - > [Elective courses](#) [en-prog-2017-info2m-linfo958o.html]

INFO2M Detailed programme

Programme by subject

CORE COURSES

- Mandatory
△ Courses not taught during 2017-2018
⊕ Periodic courses taught during 2017-2018
⊗ Optional
⊖ Periodic courses not taught during 2017-2018
■ Activity with requisites

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

The student shall select

						Year	
						1	2
● LINGI2990	Graduation project/End of studies project	Charles Pecheur (coord.)		28 Credits			x
● LELEC2531	Design and Architecture of digital electronic systems	Jean-Didier Legat	30h+30h	5 Credits	1q	x	x

● Religion courses for students in natural sciences (2 credits)

For students who did their bachelor at UCL

The student shall select

⊗ LTECO2100	Questions of religious sciences: Biblical readings	Hans Ausloos	15h	2 Credits	1q	x	x
⊗ LTECO2200	Questions of religious sciences: reflections about Christian faith	Dominique Martens	15h	2 Credits	2q	x	x
⊗ LTECO2300	Questions of religious sciences: questions about ethics	Marcela Lobo Bustamante	15h	2 Credits	1q	x	x

● Computer science seminars

Students may choose 3 credits among

The student shall select 3 credits from amongst

⊗ LINGI2349	Networking and security seminar	Etienne Riviere Ramin Sadre (coord.)	30h+0h	3 Credits	1q		x
⊗ LINGI2359	Software engineering and programming systems seminar	Kim Mens	30h+0h	3 Credits	1q		x
⊗ LINGI2369	Artificial intelligence and machine learning seminar	Pierre Dupont Siegfried Nijssen (compensates Pierre Schaus) Pierre Schaus	30h+0h	3 Credits	1q		x

● Transversal skills and professional contacts

If the student takes the internship LFSA2995 the maximum authorized credits are 26

De 3 à 21 CREDITS parmi

PROFESSIONAL FOCUS [30.0]

● Mandatory

△ Courses not taught during 2017-2018

⊕ Periodic courses taught during 2017-2018

⊗ Optional

⊖ Periodic courses not taught during 2017-2018

■ Activity with requisites

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

The student may take all the specialisation courses

Year

1 2

○ Computer science courses

○ LINGI2132	Languages and translators	Pierre Schaus	30h+30h	6 Credits	2q	x	x
○ LINGI2172	Databases	Siegfried Nijssen	30h+30h	6 Credits	2q	x	x
○ LINGI2241	Architecture and performance of computer systems	Ramin Sadre	30h+30h	6 Credits	1q	x	x
○ LINGI2255	Software engineering project	Kim Mens	30h+30h	6 Credits	1q	x	x
○ LINGI2261	Artificial intelligence: representation and reasoning	Yves Deville	30h+30h	6 Credits	1q	x	x

OPTIONS [52.0]

Students must complete their programme with a combination of major and/or elective courses. They may select:

Majors for the Master's degree in computer science and engineering

- > Major in Artificial Intelligence: big data, optimization and algorithms [en-prog-2017-info2m-linfo301o]
- > Major in software engineering and programming systems [en-prog-2017-info2m-linfo302o]
- > Major in Security and Networking [en-prog-2017-info2m-linfo303o]
- > Major in Data science and Applied Mathematics [en-prog-2017-info2m-linfo304o]
- > Option en Cryptography and information security [en-prog-2017-info2m-linfo305o]
- > Major in biomedical engineering [en-prog-2017-info2m-linfo307o]

Major in business creation and management

- > Major in small and medium sized business creation [en-prog-2017-info2m-linfo311o]
- > Major Business risks and opportunities [en-prog-2017-info2m-lfisa220o]

Elective courses

- > Elective courses [en-prog-2017-info2m-linfo957o]
- > Elective courses [en-prog-2017-info2m-linfo958o]

MAJORS FOR THE MASTER'S DEGREE IN COMPUTER SCIENCE AND ENGINEERING

Students have to choose one or several options among:

MAJOR IN ARTIFICIAL INTELLIGENCE: BIG DATA, OPTIMIZATION AND ALGORITHMS

Students completing the major in artificial intelligence: big data, optimization and algorithms will be able to: Identify and use methods and techniques that create software-based solutions to complex problems, Understand and put to good use the methods and techniques pertaining to artificial intelligence such as automated reasoning, heuristic research, knowledge acquisition, automated learning, problems related to constraint satisfaction, Identify a category of applications and how to use its methods and tools; understand specific categories of applications and their specific techniques-for example computer vision, scheduling, data mining, natural language processing, bioinformatics, big data processing; Formalise and structure a body of complex knowledge by using a systematic and rigorous approach to develop quality "intelligent" systems.

● Mandatory

△ Courses not taught during 2017-2018

⊕ Periodic courses taught during 2017-2018

⊗ Optional

⊙ Periodic courses not taught during 2017-2018

■ Activity with requisites

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

Students shall select 20 to 30 credits among

Year

1 2

Required courses in Artificial Intelligence: big data, optimization and algorithms

● LINGI2262	Machine Learning :classification and evaluation	Pierre Dupont	30h+30h	5 Credits	2q	x	x
● LINGI2263	Computational Linguistics	Pierre Dupont Cédric Fairon	30h+15h	5 Credits	1q	x	x
● LINGI2266	Advanced Algorithms for Optimization	Pierre Schaus	30h+15h	5 Credits	1q	x	x
● LINGI2365	Constraint programming	Yves Deville Pierre Schaus (compensates Yves Deville)	30h+15h	5 Credits	2q	x	x

⌘ Elective courses in Artificial Intelligence

Student shall select 10 credits among

⌘ LELEC2870	Machine Learning : regression, dimensionality reduction and data visualization	John Lee (compensates Michel Verleysen) Michel Verleysen	30h+30h	5 Credits	1q	x	x
⌘ LELEC2885	Image processing and computer vision	Christophe De Vleeschouwer (coord.) Laurent Jacques	30h+30h	5 Credits	1q	x	x
⌘ LGBIO2010	Bioinformatics	Pierre Dupont Michel Ghislain	30h+30h	5 Credits	2q	x	x
⌘ LINGI2145	Cloud Computing	Etienne Riviere	30h+15h	5 Credits	2q	x	x
⌘ LINGI2364	Mining Patterns in Data	Siegfried Nijssen	30h+15h	5 Credits	1q	x	x
⌘ LINMA1691	Discrete mathematics - Graph theory and algorithms	Vincent Blondel Jean-Charles Delvenne	30h +22.5h	5 Credits	1q	x	x
⌘ LINMA1702	Optimization models and methods I	François Glineur	30h +22.5h	5 Credits	2q	x	x
⌘ LINMA2450	Combinatorial optimization	Jean-Charles Delvenne (coord.) Julien Hendrickx	30h +22.5h	5 Credits	1q	x	x
⌘ LINMA2472	Algorithms in data science	Vincent Blondel Jean-Charles Delvenne (coord.) Gautier Krings	30h +22.5h	5 Credits	1q	x	x
⌘ LSINF2275	Data mining & decision making	Marco Saerens	30h+15h	5 Credits	2q	x	x

MAJOR IN SOFTWARE ENGINEERING AND PROGRAMMING SYSTEMS

Student completing the major in Software Engineering and Programming Systems will be able to: Understand and explain problems pertaining to large scale software projects as well as the critical impact of their solutions throughout the duration of the project (construction scope, validation, documentation, communication and large scale project management as well as expense limits and deadlines). Choose and apply engineering methods and tools related to complex software systems to meet strict quality control criteria: reliability, adaptability, upgradeability, performance, security, usability), Model products and processes necessary to obtain such systems and analyse the models in question. Design and create programmes to analyse, convert and optimise computer performance, Put to good use different programming language paradigms, in particular those that deal with competing functional and object oriented programmes, Understand the issues associated with different competing programming models and use the appropriate model, Define a new language (syntax and semantics) appropriate to a specific context.

○ Mandatory

△ Courses not taught during 2017-2018

⊕ Periodic courses taught during 2017-2018

⊗ Optional

⊖ Periodic courses not taught during 2017-2018

■ Activity with requisites

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

Students shall select 20 to 30 credits among

Year

1 2

○ Required courses in software engineering and programming systems

○ LINGI2143	Concurrent systems : models and analysis	Charles Pecheur	30h+15h	5 Credits	1q	x	x
○ LINGI2251	Software Quality Assurance	Charles Pecheur	30h+15h	5 Credits	2q	x	x
○ LINGI2252	Software Maintenance and Evolution	Kim Mens	30h+15h	5 Credits	1q	x	x
○ LSINF2345	Languages and algorithms for distributed Applications	Peter Van Roy	30h+15h	5 Credits	2q	x	x

⊗ Elective courses in Software Engineering and Programming Systems

Students can select 10 credits among

⊗ LINGI2145	Cloud Computing	Etienne Riviere	30h+15h	5 Credits	2q	x	x
⊗ LINGI2347	Computer system security	Ramin Sadre	30h+15h	5 Credits	2q	x	x
⊗ LINGI2355	Advanced questions in software engineering	Etienne Riviere	30h+15h	5 Credits	2q	x	x
⊗ LINGI2364	Mining Patterns in Data	Siegfried Nijssen	30h+15h	5 Credits	1q	x	x
⊗ LINGI2365	Constraint programming	Yves Deville Pierre Schaus (compensates Yves Deville)	30h+15h	5 Credits	2q	x	x
⊗ LSINF2335	Programming paradigms	Kim Mens	30h+15h	5 Credits	2q	x	x
⊗ LSINF2382	Computer supported collaborative work	Jean Vanderdonckt	30h+15h	5 Credits	2q	x	x

MAJOR IN SECURITY AND NETWORKING

This major may not be taken at the same time as the majors in Cryptography and Information Security and Communication Networks. However, students are still allowed to select elective courses from these other majors. Students choosing the major Networking and Security must be able to: Understand and explain different devices and protocols used in networking, Design, configure and manage computer networks by taking into account application needs, Identify large categories of shared and parallel applications as well as their problems and solutions, Create shared applications by using appropriate techniques, Understand shared system characteristics: parallelism, synchronisation, communication, risk and error models, Use the appropriate techniques, algorithms, and languages to understand, model and analyse shared applications, Understand and put into place mechanisms (cryptography, protocols) to secure networks and shared systems

○ Mandatory

△ Courses not taught during 2017-2018

⊕ Periodic courses taught during 2017-2018

⊗ Optional

⊖ Periodic courses not taught during 2017-2018

■ Activity with requisites

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

Students shall select 20 to 30 credits among

Year

1 2

○ Required courses in Networking and Security

○ LINGI2142	Computer networks: configuration and management	Olivier Bonaventure	30h+30h	5 Credits	2q	x	x
○ LINGI2145	Cloud Computing	Etienne Riviere	30h+15h	5 Credits	2q	x	x
○ LINGI2146	Mobile and Embedded Computing	Ramin Sadre	30h+15h	5 Credits	2q	x	x
○ LINGI2347	Computer system security	Ramin Sadre	30h+15h	5 Credits	2q	x	x

⊗ Elective courses in Networking and Security

Student can select 10 credits among

⊗ LINGI2143	Concurrent systems : models and analysis	Charles Pecheur	30h+15h	5 Credits	1q	x	x
⊗ LINGI2144	Secured systems engineering	Gildas Avoine	30h+15h	5 Credits	1q	x	x
⊗ LINGI2315	Design of Embedded and real-time systems	Jean-Didier Legat	30h+30h	5 Credits	2q	x	x
⊗ LINGI2348	Information theory and coding	Jérôme Louveaux (coord.) Benoît Macq Olivier Pereira	30h+15h	5 Credits	2q	x	x
⊗ LINMA2470	Stochastic modelling	Philippe Chevalier	30h +22.5h	5 Credits	2q	x	x
⊗ LMAT2450	Cryptography	Olivier Pereira	30h+15h	5 Credits	1q	x	x
⊗ LSINF2345	Languages and algorithms for distributed Applications	Peter Van Roy	30h+15h	5 Credits	2q	x	x

MAJOR IN DATA SCIENCE AND APPLIED MATHEMATICS

This major is available only to students who majored or minored in Applied Mathematics during their bachelor's degree programme. Students completing the major Computing and Applied Mathematics will be able to: Understand both applied mathematics and computing including algorithms, scientific calculations, computer system modelling, optimisation, automated learning or data mining, Understand and use the methods and techniques related to advanced algorithms such as optimisation methods, constraint programming, algorithms of graphs, numerical algorithms or analysis and design of algorithms, Identify and use models and techniques relating to statistics, automated learning and data mining; understand categories of applications used for the processing of raw data as well as automatic forms used to mine information out of large data sets.

● Mandatory

△ Courses not taught during 2017-2018

⊕ Periodic courses taught during 2017-2018

⊗ Optional

⊙ Periodic courses not taught during 2017-2018

■ Activity with requisites

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

The student shall select 20 to 30 credits among

Year

1 2

● Required courses in Computing and Applied Mathematics

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● LINGI2262	Machine Learning :classification and evaluation	Pierre Dupont	30h+30h	5 Credits	2q	x	x
● LINMA2472	Algorithms in data science	Vincent Blondel Jean-Charles Delvenne (coord.) Gautier Krings	30h +22.5h	5 Credits	1q	x	x
● LINMA2710	Scientific computing	Pierre-Antoine Absil (coord.) Anthony Papavasiliou	30h +22.5h	5 Credits	2q	x	x
● LSINF2275	Data mining & decision making	Marco Saerens	30h+15h	5 Credits	2q	x	x

⊗ Elective courses in computing and applied mathematics

Student shall select 10 credits among

⊗ LELEC2870	Machine Learning : regression, dimensionality reduction and data visualization	John Lee (compensates Michel Verleysen) Michel Verleysen	30h+30h	5 Credits	1q	x	x
⊗ LINGI2266	Advanced Algorithms for Optimization	Pierre Schaus	30h+15h	5 Credits	1q	x	x
⊗ LINGI2348	Information theory and coding	Jérôme Louveaux (coord.) Benoît Macq Olivier Pereira	30h+15h	5 Credits	2q	x	x
⊗ LINGI2364	Mining Patterns in Data	Siegfried Nijssen	30h+15h	5 Credits	1q	x	x
⊗ LINGI2365	Constraint programming	Yves Deville Pierre Schaus (compensates Yves Deville)	30h+15h	5 Credits	2q	x	x
⊗ LINMA2450	Combinatorial optimization	Jean-Charles Delvenne (coord.) Julien Hendrickx	30h +22.5h	5 Credits	1q	x	x
⊗ LINMA2470	Stochastic modelling	Philippe Chevalier	30h +22.5h	5 Credits	2q	x	x
⊗ LINMA2471	Optimization models and methods II	François Glineur	30h +22.5h	5 Credits	1q	x	x
⊗ LMAT2450	Cryptography	Olivier Pereira	30h+15h	5 Credits	1q	x	x
⊗ LMECA2170	Numerical Geometry	Vincent Legat Jean-François Remacle	30h+30h	5 Credits	1q	x	x

OPTION EN CRYPTOGRAPHY AND INFORMATION SECURITY

This major is available only to students who majored or minored in Electricity during their Bachelor's degree programme. Students completing the major Communication Networks will be able to: Understand and use different devices and protocols used in fixed and wireless networks, Design, configure and manage fixed and wireless networks while taking into account application needs (including multimedia), Understand and effectively use information coding techniques, Understand and design mobile wireless communication systems from start to finish.

● Mandatory

△ Courses not taught during 2017-2018

⊕ Periodic courses taught during 2017-2018

⊗ Optional

⊖ Periodic courses not taught during 2017-2018

■ Activity with requisites

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

Year

1 2

⊗ Elective courses

In order to validate this option INFO and MAP students have to take 20 credits at least and ELEC students 15 credits at least among:

⊗ LELEC2760	Secure electronic circuits and systems	François-Xavier Standaert	30h+30h	5 Credits	2q	x	x
⊗ LINGI2144	Secured systems engineering	Gildas Avoine	30h+15h	5 Credits	1q	x	x
⊗ LINGI2347	Computer system security	Ramin Sadre	30h+15h	5 Credits	2q	x	x
⊗ LINGI2348	Information theory and coding	Jérôme Louveaux (coord.) Benoît Macq Olivier Pereira	30h+15h	5 Credits	2q	x	x
⊗ LMAT2440	Number theory	Olivier Pereira Jean-Pierre Tignol	30h+15h	5 Credits	1q	x	x
⊗ LMAT2450	Cryptography	Olivier Pereira	30h+15h	5 Credits	1q	x	x

MAJOR IN BIOMEDICAL ENGINEERING

This major is available only to students who minored in biomedical engineering during their Bachelor's degree programme. The objective of the biomedical engineering major is to train engineers who are capable of meeting future technological challenges in the scientific and technical fields related to biomedical engineering. This major provides students with basic knowledge about bioinformatics as well as other biomedical engineering fields such as bioinstrumentation, biomaterials, medical imaging, mathematical modelling, artificial organs and rehabilitation and biomechanics. The collaboration between the Louvain School of Management and the School of Medicine provides an interdisciplinary curriculum where engineering is applied to the complex and varied biomedical field.

● Mandatory

△ Courses not taught during 2017-2018

⊕ Periodic courses taught during 2017-2018

⊗ Optional

⊖ Periodic courses not taught during 2017-2018

■ Activity with requisites

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

Students shall select 20 to 30 credits among:

Year

1 2

○ Required courses in biomedical engineering

○ LGBIO2010	Bioinformatics	Pierre Dupont Michel Ghislain	30h+30h	5 Credits	2q	x	x
○ LGBIO2020	Bioinstrumentation	André Mouraux Michel Verleysen	30h+30h	5 Credits	1q	x	x
○ LGBIO2030	Biomaterials	Sophie Demoustier Christine Dupont	30h+30h	5 Credits	1q	x	x
○ LGBIO2040	Biomechanics	Greet Kerckhofs	30h+30h	5 Credits	2q	x	x
○ LGBIO2050	Medical Imaging	Anne Bol John Lee Benoît Macq Frank Peeters	30h+30h	5 Credits	1q	x	x
○ LGBIO2060	Modelling of biological systems	Philippe Lefèvre	30h+30h	5 Credits	1q	x	x

⊗ Elective courses in biomedical engineering for students enrolled in the ELEC Master's degree programme

⊗ LELEC2870	Machine Learning : regression, dimensionality reduction and data visualization	John Lee (compensates Michel Verleysen) Michel Verleysen	30h+30h	5 Credits	1q	x	x
⊗ LELEC2885	Image processing and computer vision	Christophe De Vleeschouwer (coord.) Laurent Jacques	30h+30h	5 Credits	1q	x	x

MAJOR IN BUSINESS CREATION AND MANAGEMENT**MAJOR IN SMALL AND MEDIUM SIZED BUSINESS CREATION**

This major is not available to students majoring in management. This major is not offered in English. The goal of this major is to familiarise engineering students with the specifics of small and medium sized businesses, entrepreneurship, and business creation so they may develop the necessary skills, knowledge and tools to create a business. This major is reserved for a small number of students and selection is based on a written application and individual interview. The written application must be submitted before the start of the academic year for Master's 1. Applications may be sent to: Secrétariat CPME-Place des Doyens, 1 1348 Louvain-la-Neuve (tel. 010/47 84 59) Selected students will replace their Master's thesis in the common core curriculum with a thesis related to business creation (the number of credits remaining the same).

● Mandatory

△ Courses not taught during 2017-2018

⊕ Periodic courses taught during 2017-2018

⊗ Optional

⊖ Periodic courses not taught during 2017-2018

■ Activity with requisites

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

Year

1 2

o Required courses for the major in small and medium sized businesses

Course ID	Course Title	Instructor	Hours	Credits	Year 1	Year 2	Year 3
● LCPME2001	Entrepreneurship Theory (in French)	Frank Janssen	30h+20h	5 Credits	1q	x	x
● LCPME2002	Managerial, legal and economic aspects of the creation of a company (in French)	Yves De Cordt Marine Falize	30h+15h	5 Credits	1q	x	x
● LCPME2003	Business plan of the creation of a company (in French)	Frank Janssen	30h+15h	5 Credits	2q	x	x
● LCPME2004	Advanced seminar on Enterpreneurship (in French)	Roxane De Hoe (compensates Frank Janssen) Frank Janssen	30h+15h	5 Credits	2q	x	x

o Prerequisite CPME courses

Les étudiants qui n'ont pas suivi un cours de gestion durant leur formation antérieure doivent mettre au programme de cette option le cours CMPE2000

● LCPME2000	Venture creation financement and management I	Yves De Rongé Olivier Giacomini	30h+15h	5 Credits	1q	x	x
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MAJOR BUSINESS RISKS AND OPPORTUNITIES

● Mandatory

△ Courses not taught during 2017-2018

⊕ Periodic courses taught during 2017-2018

⊗ Optional

⊖ Periodic courses not taught during 2017-2018

■ Activity with requisites

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

						Year	
						1	2
● LFSA1290	Introduction to financial and accounting management	André Nsabimana (compensates Gerrit Sarens) Gerrit Sarens	30h+15h	4 Credits	2q	x	x
● LFSA2140	Elements of law for industry and research	Werner Derijcke Bénédicte Inghels Christophe Lazaro	30h	3 Credits	1q	x	x
● LFSA2210	Organisation and human resources	John Cultiaux	30h	3 Credits	2q	x	x
● LFSA2230	Introduction to management and to business economics	Benoît Gailly	30h+15h	4 Credits	2q	x	x
● LFSA2245	Environment and business	Thierry Bréchet Jean-Pierre Tack	30h	3 Credits	2q	x	x

○ One course between

De 3 à 5 CREDITS parmi

⊗ LFSA2202	Ethics and ICT	Axel Gosseries Olivier Pereira	30h	3 Credits	2q	x	x
⊗ LLSMS2280	Business Ethics and Compliance Management	Carlos Desmet	30h	5 Credits	1q	x	x

⊗ Alternative to the major in business risks and opportunities for computer science students

Computer science students who have already taken courses in this field while pursuing their Bachelor's degree may choose between 16-20 credits from the courses offered in the management minor for computer sciences.

ELECTIVE COURSES

ELECTIVE COURSES

○ Mandatory

△ Courses not taught during 2017-2018

⊕ Periodic courses taught during 2017-2018

⊗ Optional

⊖ Periodic courses not taught during 2017-2018

■ Activity with requisites

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

De 3 à 21 CREDITS parmi

Year

1 2

o Compétences transversales et contact avec l'entreprise

L'étudiant choisit minimum 3 crédits parmi un stage, un ou plusieurs cours de l'option "Enjeux de l'entreprise", l'option "CPME", une UE d'activité professionnelle liée à la discipline

⊗ Internship

⊗ LFSA2995	Company Internship	Jean-Pierre Raskin	30h	10 Credits	1 + 2q	x	x
⊗ LFSA2996	Company Internship			5 Credits	1 + 2q	x	x

⊗ Professional integration activity specific to the program

⊗ LINGI2399	Industrial seminar in computer science	Yves Deville Bernard Geubelle	30h+0h	3 Credits	2q	x	x
⊗ LINGI2402	Open Source Project			5 Credits		x	x

⊗ Communication

L'étudiant choisit maximum 8 crédits visant le développement de ses compétences de communication
Max=8 CREDITS parmi

⊗ Languages

Students may select from any language course offered at the ILV. Special attention is placed on the following seminars in professional development:

⊗ LALLE2500	Professional development seminar German	Caroline Klein Ann Rinder (coord.)	30h	3 Credits	1 + 2q	x	x
⊗ LALLE2501	Professional development seminar-German	Caroline Klein Ann Rinder (coord.)	30h	5 Credits	1 + 2q	x	x
⊗ LESPA2600	Vocational Induction Seminar - Spanish (B2.2/C1)	Paula Lorente Fernandez (coord.)	30h	3 Credits	1q	x	x
⊗ LESPA2601	Vocational Induction Seminar - Spanish (B2.2/C1)	Paula Lorente Fernandez (coord.)	30h	5 Credits	1q	x	x
⊗ LNEER2500	Seminar of Entry to professional life in Dutch - Intermediate level	Isabelle Demeulenaere (coord.) Mariken Smit	30h	3 Credits	1 ou 2q	x	x
⊗ LNEER2600	Seminar of entry to professional life in Dutch - Upper-Intermediate level	Isabelle Demeulenaere (coord.)	30h	3 Credits	1 ou 2q	x	x

⊗ Group dynamics

⊗ LFSA2351A	Group dynamics	Piotr Sobieski (coord.) Vincent Wertz (coord.)	15h+30h	3 Credits	1q	x	x
⊗ LFSA2351B	Group dynamics	Piotr Sobieski (coord.) Vincent Wertz (coord.)	15h+30h	3 Credits	2q	x	x

⊗ Autre UE non disciplinaires

L'étudiant peut proposer maximum 8 crédits d'ouverture vers d'autres disciplines (maximum un cours BEST ou des UE hors EPL).
Max=8 CREDITS parmi

ELECTIVE COURSES

● Mandatory

△ Courses not taught during 2017-2018

⊕ Periodic courses taught during 2017-2018

⊗ Optional

⊖ Periodic courses not taught during 2017-2018

■ Activity with requisites

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

						Year	
						1	2
⊗ LINGI2401	Open Source strategy for software development	Lionel Dricot	30h+15h	5 Credits	1q	x	x
⊗ LINGI2402	Open Source Project			5 Credits		x	x

Course prerequisites

A document entitled (nb: [not available](#) for this programme info2m) specifies the activities (course units - CU) with one or more prerequisite(s) within the study programme, that is the CU whose learning outcomes must have been certified and for which the credits must have been granted by the jury before the student is authorised to sign up for that activity.

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

As the prerequisites are a requirement of enrolment, there are none within a year of a course.

The prerequisites are defined for the CUs for different years and therefore influence the order in which the student can enrol in the programme's CUs.

In addition, when the panel validates a student's individual programme at the beginning of the year, it ensures the consistency of the individual programme:

- It can change a prerequisite into a corequisite within a single year (to allow studies to be continued with an adequate annual load);
- It can require the student to combine enrolment in two separate CUs it considers necessary for educational purposes.

For more information, please consult [regulation of studies and exams](#).

The programme's courses and learning outcomes

For each UCL training programme, a [reference framework of learning outcomes](#) specifies the competences expected of every graduate on completion of the programme. You can see the contribution of each teaching unit to the programme's reference framework of learning outcomes in the document "In which teaching units are the competences and learning outcomes in the programme's reference framework developed and mastered by the student?"

INFO2M - Information

Admission

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

SUMMARY

- > [Specific Admission Requirements](#)
- > [University Bachelors](#)
- > [Non university Bachelors](#)
- > [Holders of a 2nd cycle University degree](#)
- > [Holders of a non-University 2nd cycle degree](#)
- > [Adults taking up their university training](#)
- > [Access on the file](#)
- > [Admission and Enrolment Procedures for general registration](#)

Specific Admission Requirements

Any student who is not a bachelor in engineering (sciences de l'ingénieur, orientation ingénieur civil), with a major or minor in computer science, must fill in an application for admission to the School of Engineering, stating his detailed curriculum (degree, list of courses followed and grades obtained, year per year). The School of Engineering, consulting with the relevant programme commission, decides on the eligibility of the candidate, and may propose a personalised programme to the student, designed to fill any gap in his formation. To this end, the School of Engineering can impose to the student a volume of complementary courses. For some students, the School of Engineering may propose a one-year bridging programme giving access to the master.

University Bachelors

Diploma	Special Requirements	Access	Remarks
UCLouvain Bachelors			
Bachelors in engineering [180.0]	Having completed a major or minor in computer science engineering [30.0]	Direct Access	Students who have neither majored nor minored in the field of their civil engineering Master's degree, must submit a written application in which they list their detailed course curriculum (list of course work and marks year by year) to the programme commission. The commission will then suggest a programme in keeping with the student's previous course of study with the possible addition of a maximum of 15 supplemental credits.
Bachelors in engineering [180.0]		Access with additional training	The jury may admit candidates with excellent academic records and training on the basis of their written application provided that they integrate a maximum of 60 additional credits into their Master's degree programme. A minor in engineering sciences (computer sciences) is considered an advantage for candidates seeking this type of admission.
Others Bachelors of the French speaking Community of Belgium			
Bachelors in engineering	To have completed options related to computer science in the institution of origin	Direct Access	

Bachelors in engineering

-

Students with a Bachelor's degree in engineering sciences (with a focus on computer sciences) who have not taken the equivalent of a minor in computer sciences must submit a written application to the computer sciences programme commission in which they list their detailed course curriculum (list of course work and marks year by year). The jury will suggest a programme in keeping with the student's previous course of study with the possible addition of a maximum of 15 supplemental credits.

Bachelors of the Dutch speaking Community of Belgium

Bachelor in ingenieurs wetenschappen

To have completed options related to computer science in the institution of origin.

-

Bachelor in ingenieurs wetenschappen

Access with additional training

Students who have no specialisation in computer sciences must submit a written application to the programme commission in computer sciences engineering in which they list their detailed course curriculum (list of course work and marks year by year). The jury will suggest a programme in keeping with the student's previous course of study with the possible addition of a maximum of 15 supplemental credits.

Foreign Bachelors

Bachelors in engineering

Bachelors from the Cluster network

Direct Access

Same access conditions as for UCL bachelors in engineering

Bachelors in engineering

Other institutions

Based on application: accepted, conditional on further training, or refusal

Students will submit a written application for admission to EPL in which they list their detailed course curriculum (list of course work and marks year by year). The jury will determine whether the candidate may be admitted according to the regulations. Where necessary the jury may suggest a programme in keeping with the student's previous course of study with the possible addition of a maximum of 15 supplemental credits.

Non university Bachelors

Holders of a 2nd cycle University degree

Diploma	Special Requirements	Access	Remarks
"Licenciés"			
Engineers, bioengineers, and graduates in computer science, chemistry, physics, mathématiques, biology or geography, considered equivalent to corresponding Bachelor's.		Direct Access	
Masters			

Master in engineering

Direct Access

Holders of a non-University 2nd cycle degree

Adults taking up their university training

> See the website [Valorisation des acquis de l'expérience](https://uclouvain.be/fr/etudier/vae) (<https://uclouvain.be/fr/etudier/vae>)

It is possible to gain admission to all masters courses via the validation of professional experience procedure.

Access on the file

Reminder : all Masters (apart from Advanced Masters) are also accessible on file.

Students may submit an application for admission to the Louvain School of Engineering in which they list their detailed course curriculum (list of course work and marks year by year). The School in collaboration with the relevant programme commission will determine whether the student may be admitted and their decision will respect the programme rules. When necessary, they may suggest an individualised programme consisting of a part of the elective courses in the relevant Master's degree programme in civil engineering with the possible addition of a maximum of 15 supplemental credits.

The School in collaboration with the relevant programme commission will determine whether the student may be admitted and their decision will respect the programme rules. When necessary, the jury may suggest a programme in keeping with the student's previous course of study with the possible addition of a maximum of 15 supplemental credits.

Admission and Enrolment Procedures for general registration

Any student who is not a bachelor in engineering (sciences de l'ingénieur, orientation ingénieur civil), with a major or minor in computer science, must fill in an application for admission to the School of Engineering, stating his detailed curriculum (degree, list of courses followed and grades obtained, year per year). The School of Engineering, consulting with the relevant programme commission, decides on the eligibility of the candidate, and may propose a personalised programme to the student, designed to fill any gap in his formation. To this end, the School of Engineering can impose to the student a volume of complementary courses. For some students, the School of Engineering may propose a one-year bridging programme giving access to the master.

Teaching method

Active teaching strategies and non-technical skills

The teaching methods used in the Master's degree programme in civil engineering are consistent with those of the Bachelor's degree programme in engineering sciences: active learning, an equal mix of group work and individual work, and emphasis on the development of non-technical skills. In particular, our pedagogy prioritises projects (including a large scale project that puts student groups in a semi-professional situation).

Students will be exposed to various teaching methods: lectures, exercise sessions, problem solving sessions, case studies, industry or research internships, group work, individual work, seminars and conferences offered by the industrial sector. This variety of teaching techniques helps students to build their knowledge in an iterative and progressive manner while at the same time develop their autonomy as well as their organisation, time management and communication skills.

Use of Foreign Languages

Globalisation demands that all societies open up to foreign markets. In addition, the main language used in computer science is English. The use of English throughout the programme allows students to develop their mastery of this language, which will facilitate their integration into universities and foreign companies. Course materials as well as educational support are in English. However, students may express themselves in French during class or evaluations. Specifically, the Master's thesis or graduation project may be written and defended in English or French.

Furthermore, the programme foresees the possibility of taking language classes at the ILV and participating in study abroad programs.

Overall, the programme is taught in English with the exception of the biomedical engineering major and the majors in management and small and medium sized business creation.

Open to other disciplines

Students are encouraged to enlarge their training to include other engineering sciences and techniques, management as well as the humanities and social sciences. In fact, over the course of their careers, computer scientists must manage (team) projects and show an interest in the complex socio-economic context in which computer science takes place. They must dialogue with colleagues from different educational backgrounds who prioritise other aspects of a project. Thus it is imperative that students enlarge their field of vision beyond computer science.

Evaluation

The evaluation methods comply with the regulations concerning studies and exams (<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".

Student work is evaluated according to University rules (see the rules for evaluating coursework and exams) namely written and oral exams, laboratory exams, individual or group work, public presentations of projects and theses defences. For classes taught in English, questions are in English. Students may respond in French. For classes taught in French, questions are in French. Students may ask for help translating the questions into English and respond to them in English.

Certain activities completed during the semester and supervised by a teaching team in collaboration with students do not take place outside of the class session. Thus they are not re-evaluated in a future course session.

At the beginning of the semester, professors will explain their marking scheme, which is based on the learning outcomes of the course (that it frequently shares with those of the Master's degree programme).

For more information on evaluation methods, students may consult the relevant evaluation descriptions.

To obtain a passing grade, the marks received for the teaching units are offset by their respective credits.

Mobility and/or Internationalisation outlook

Outgoing students

Since its creation, the Louvain School of Engineering (EPL) has participated in diverse exchange programs that were put into place at the European level and beyond.

Students are informed about study abroad opportunities at the end of their Bachelor's degree programme, notably through intensive academic programmes like the BEST network. This network gives students an initial study abroad experience.

In addition, within the framework of the Erasmus/Mercator exchange programmes, students have the possibility of studying at a partner university for one year (two semesters) during the 1st year of the Master's degree programme or 5 months (first semester) in the 2nd year of the Master's degree programme. To this end, the EPL participates in different study abroad networks.

- In Belgium, the EPL has a partnership with the Faculteit Ingenieurswetenschappen de la Katholieke Universiteit Leuven.

- Within Europe, the EPL participates in the CLUSTER network, which provides quality training and accommodations for exchange students. Furthermore, the members of the CLUSTER network have signed an agreement that mutually recognises their Bachelor's degree programmes. This agreement means that all the Bachelor degree holders in the CLUSTER network are automatically admitted to the Master's degree programme in member institutions.
- Outside of Europe, the EPL is a member of the Magalhães network that brings together 15 European universities with the best scientific and technological universities in Latin America.

In addition to these networks and partnerships, the EPL has signed a certain number of individual agreements with different universities in Europe, North America and elsewhere in the world. The list of these agreements is available at UCL's International Relations Administration website.

Joint degree programmes have also been put into place.

-Dual Masters degrees allow students to receive a diploma from two universities at the end of their two year Master's degree programme (one year at UCL and the other at a host university).

Students are informed about the different exchange programmes in the second year of their Bachelor's degree programme. They are encouraged to prepare in advance, specifically their language skills through classes offered at the Institute for Living Languages (Institut des langues vivants) at UCL.

Beyond exchange programmes, students may intern in a research laboratory or a foreign company.

More information about [mobility programmes](https://uclouvain.be/epl-international.html) (<https://uclouvain.be/epl-international.html>).

Incoming students

Thanks to the CLUSTER network, foreign students have the same status as local UCL students. UCL favours students coming from institutions that participate in the Socrates exchange network.

Overall the Master's degree programme is taught in English and does not require previous knowledge of French with the exception of the majors in biomedical engineering, management and small and medium sized business creation (CPME). Except for rare cases, all courses are taught in English. For non-francophone students, substitute courses may take the place of courses taught in French. These courses are suggested by the programme commission on a case by case basis and are based on the student's course curriculum.

More information about [mobility programmes](https://uclouvain.be/epl-international.html) (<https://uclouvain.be/epl-international.html>).

Possible trainings at the end of the programme

Doctoral programmes

The Master's degree in civil engineering and computer science may be followed by a doctoral degree programme in engineering sciences. Doctoral degrees are offered by thematic doctoral degree granting schools.

UCL Master's degrees (about 60) are accessible to UCL Master's degree holders

For example:

- The Master's degree (120) in sciences and environmental management and the Master's degree (60) in sciences and environmental management (automatic admission with possible complementary coursework)
- Different Master's degree programmes in management (automatic admission based on written application): see this list
- The Master's degree (60) in information and communication at Louvain-la-Neuve or the Master's degree (60) in information and communication at Mons

Contacts

Attention, you are currently reading an archived page: below contact informations were for program study 2017-2018 only. To get current contact informations please got to [current program study site](#).

Curriculum Management

Entity	
Structure entity	SST/EPL/INFO
Denomination	(INFO) (https://uclouvain.be/repertoires/entites/info)
Faculty	Louvain School of Engineering (EPL) (https://uclouvain.be/repertoires/entites/epl)
Sector	Sciences and Technology (SST) (https://uclouvain.be/repertoires/entites/sst)
Acronym	INFO
Postal address	Place Sainte Barbe 2 - bte L5.02.01 1348 Louvain-la-Neuve Tel: +32 (0) 10 47 31 50 - Fax: +32 (0) 10 45 03 45

Academic supervisor: Kim Mens

Jury

- Jean-Didier Legat

Useful Contact(s)

- Chantal Poncin

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