

SINF2M1 - Introduction

Introduction

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The objective of this Master's degree programme is to train computer science professionals capable of understanding and analysing the complex needs of a company, of designing computing systems that meet those needs, of mastering the rapidly evolving technological tools in this area, of implementing solutions, of assuring quality products and procedures in a company.

SINF2M1 - Teaching profile

Learning outcomes

The computer science developers and designers of tomorrow face two major challenges:

- increasingly complex computer science systems
- increasingly varied areas of application

Programme structure

The student's master's program 60 in computer science will total a minimum of 60 credits distributed over an annual block comprising a common core (21 credits), a final thesis (15 credits) and units of elective course (24 credits).


This programme may vary depending on students' prior course of study. If during their previous studies, students have already taken a required class or completed an equivalent activity, they may substitute this course with an activity of their choice from the Master's

| | | | |
|-------------|---|---------------|--|
| ⌘ LINFO2401 | Open Source strategy for software development | Lionel Dricot | EN [q1] [30h+15h] [5 Credits]  > French-friendly |
| ⌘ LINFO2402 | Open Source Project | | EN [q1+q2] [0h] [5 Credits]  > French-friendly |

o Interdisciplinary courses in the humanities and social sciences

| | | | |
|------------|------------------------------|---------------|--|
| o LEPL2211 | Business issues introduction | Benoit Gailly | EN [q2] [30h] [3 Credits]  > French-friendly |
|------------|------------------------------|---------------|--|

o Master Thesis (15 credits)

| | | | |
|-------------|--|--|--|
| o LINFO2991 | Graduation project/End of studies project <i>The graduation project can be written and presented in French or English, in consultation with the supervisor. It may be accessible to exchange students by prior agreement between the supervisors and/or the two universities.</i> | | EN [q1+q2] [] [15 Credits]  |
|-------------|--|--|--|

o Cours alternatifs **Calculabilité, logique et complexité**

The student chooses a course from:

⌘ LINFO1123

Calculability, Logic and Complexity

The programme's courses and learning outcomes

BA en informatique de gestion - crédits supplémentaires entre 30 et 60

BA en informatique et systèmes, orientation informatique industrielle - crédits supplémentaires entre 30 et 60

BA en informatique et systèmes, orientation réseaux et télécommunications - crédits supplémentaires entre 30 et 60

BA en informatique et systèmes, orientation sécurité des systèmes - crédits supplémentaires entre 30 et 60

BA en informatique et systèmes, orientation technologie de l'informatique - crédits supplémentaires entre 30 et 60

BA en informatique, orientation développement d'applications - crédits supplémentaires entre 30 et 60

BA en informatique, orientation informatique industrielle - crédits supplémentaires entre 30 et 60

BA en informatique, orientation réseaux et télécommunications - crédits supplémentaires entre 30 et 60

BA en informatique, orientation sécurité des systèmes - crédits supplémentaires entre 30 et 60

BA en informatique, orientation technologies de l'informatique - crédits supplémentaires entre 30 et 60

Les enseignements supplémentaires éventuels peuvent être consultés dans le [module complémentaire](#).

Type court

Holders of a 2nd cycle University degree

| Diploma | Special Requirements | Access | Remarks |
|-------------|----------------------|--------|---------|
| "Licenciés" | | | |

Masters

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](#).

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.

The first step of the admission procedure requires to submit an application online : <https://uclouvain.be/en/study/inscriptions/futurs-etudiants.html>.

[Selection criteria are summarized here](#) (contact : epl-admission@uclouvain.be).

Admission and Enrolment Procedures for general registration

Entity

Structure entity
Denomination
Faculty
Sector
Acronym
Postal address

SST/EPL/INFO
(INFO)
Louvain School of Engineering (EPL)
Sciences and Technology (SST)
INFO
Place Sainte Barbe 2 - bte L5.02.01
1348 Louvain-la-Neuve
Tel: [+32 \(0\) 10 47 31 50](tel:+32210473150) - Fax: [+32 \(0\) 10 45 03 45](tel:+32210450345)

Academic supervisor: [Pierre Schaus](#)

Jury

- Président du Jury: [Claude Oestges](#)
- Secrétaire du Jury: [Cristel Pelsser](#)

Useful Contact(s)

- Secrétariat: [Vanessa Maons](#)
- Secrétariat facultaire: master-epl-sinf@uclouvain.be
- Study advisor: [Cécile Lombart](#)

