

 *The version you're consulting is not definitive. This programme still may change. The final version will be published on 1th June.*

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MINSINF - Introduction

Introduction

MINSINF - Teaching profile

Learning outcomes

The aim of the minor in computer science is to equip the student with the basic concepts in computer science. To be more specific, s/he should:

- Master the basic foundations of computer science (programming, algorithms and data structures, computer languages, information systems,...)
- Analyze and solve medium-sized computing and IT problems by applying the acquired knowledge from different computer science domains.

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

- Programmer

de maîtriser les fondements des matières de base de l'informatique

- programmation,
- algorithmique
- structures de données,
- langages informatiques,
- systèmes informatiques

de contribuer au développement d'applications de taille réduite en appliquant les connaissances acquises des domaines de l'informatique

- percevoir les contraintes techniques associées au développement de systèmes informatiques
- partager un langage commun avec les informaticiens

Programme

DETAILED PROGRAMME BY SUBJECT

- Mandatory
- ⊗ Optional
- △ Not offered in 2025-2026
- ⊙ Not offered in 2025-2026 but offered the following year
- ⊕ Offered in 2025-2026 but not the following year
- △ ⊕ Not offered in 2025-2026 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...)

30 crédits

Year

2 3

o Content:

o Programme

L'étudiant-e choisit un cours parmi les trois suivants :

⊗ LINFO1101	Introduction to programming	Kim Mens Siegfried Nijssen Charles Pecheur	10 [q1] [30h+30h] [5 Credits] 🌐	X
⊗ LEPL1401	Informatics 1	Kim Mens Siegfried Nijssen Charles Pecheur	10 [q1] [30h+30h] [5 Credits] 🌐	X
⊗ LSINC1101	Computer Science 1: Introduction to Programming	Kim Mens Siegfried Nijssen	10 [q1] [30h+30h] [5 Credits] 🌐	X

o Cours au choix de la mineure en sciences informatiques

⊗ LINFO1116	Logique [C]		PS [q1] [30h+30h] [5 Credits] 🌐	X
⊗ LINFO1311	Human Machine Interface	Jean Vanderdonck	PS [q2] [30h+15h] [5 Credits] 🌐	X
⊗ LINFO1140	Principles of computer operation [M]	Olivier Bonaventure	PS [q2] [30h+30h] [5 Credits] 🌐	X
⊗ LINFO1006	Base de données et représentation de l'information [C]		PS [q2] [30h+30h] [5 Credits] 🌐	X
⊗ LINFO1103	Introduction to algorithms	Pierre Dupont	PS [q2] [30h+30h] [5 Credits] 🌐	X
⊗ LINFO1002	IT projects 2	Tom Barbette	PS [q2] [30h+30h] [5 Credits] 🌐	X
⊗ LEPL1402	Informatics 2		PS [q1] [30h+30h] [5 Credits] 🌐	X
⊗ LINFO1113	Numerical algorithmic		PS [q2] [30h+30h] [6 Credits] 🌐	X
⊗ LINFO1114	Discrete Mathematics [M]	Marco Saerens	PS [q1] [30h+15h] [5 Credits] 🌐	X
⊗ LINFO1341	Computer networks		PS [q2] [30h+30h] [5 Credits] 🌐	X

THE PROGRAMME'S COURSES AND LEARNING OUTCOMES

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

MINSINF - Information

Bachelors offering this minor

- > Bachelor in Physics [en-prog-2025-phys1ba]
- > Bachelor in Mathematics [en-prog-2025-math1ba]
- > Bachelor in Biology [en-prog-2025-biol1ba]
- > Bachelor in Law [en-prog-2025-droi1ba]
- > Bachelor in Geography : General [Réforme 2024-25] [en-prog-2025-geog1ba]
- > Bachelor in Economics and Management [en-prog-2025-ecge1ba]

Evaluation

The evaluation methods comply with the [regulations concerning studies and exams](#). More detailed explanation of the modalities specific to each learning unit are available on their description sheets under the heading "Learning outcomes evaluation method".

Contacts

Curriculum Management

Entity

Structure entity

Denomination

Faculty

Sector

Acronym

Postal address

SST/EPL/INFO

[\(INFO\)](#)

Louvain School of Engineering ([EPL](#))

Sciences and Technology ([SST](#))

INFO

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