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## MINSINF - Introduction

### Introduction

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## 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 2023-2024
- ⊙ Not offered in 2023-2024 but offered the following year
- ⊕ Offered in 2023-2024 but not the following year
- △ ⊕ Not offered in 2023-2024 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

#### Content:

##### Programme


○ LINFO1101	<a href="#">Introduction to programming</a>	Kim Mens Siegfried Nijssen Charles Pecheur	PO [q1] [30h+30h] [5 Credits] 🌐	X	
○ LINFO1001	<a href="#">IT projects 1</a>	Cristel Pelsser	PO [q1] [30h+30h] [5 Credits] 🌐	X	
○ LEPL1402	<a href="#">Informatics 2</a>	Sébastien Jodogne Ramin Sadre Pierre Schaus	PO [q1] [30h+30h] [5 Credits] 🌐		X
○ LINFO1103	<a href="#">Introduction to algorithms</a>	Guillaume Derval (compensates Pierre Dupont)	PO [q2] [30h+30h] [5 Credits] 🌐	X	
○ LINFO1341	<a href="#">Computer networks</a>	Olivier Bonaventure	PO [q2] [30h+30h] [5 Credits] 🌐		X

Year

2 3

● LINFO1361

Artificial intelligence

Eric Piette (compensates  
Yves Deville)[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-2023-phys1ba]
- > Bachelor in Mathematics [en-prog-2023-math1ba]
- > Bachelor in Biology [en-prog-2023-biol1ba]
- > Bachelor in Law [en-prog-2023-droi1ba]
- > Bachelor in Geography : General [en-prog-2023-geog1ba]
- > Bachelor in Economics and Management [en-prog-2023-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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