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|  <p style="color: white; margin: 0;">UCL Study programme 2025 - 2026</p> | <h2 style="margin: 0;">Specialization track in Computer Science</h2> |
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 *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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FILINFO - Introduction

Introduction

Introduction

The aim of this track is to enable the students to master the basic concepts in the field of computer sciences. More precisely this specialization trains the students to acquire basic fundamentals in computer sciences (algorithmic and data structures, computer languages, informatic systems, databases); and the capacity to analyze and solve algorithmic problems by applying its knowledge in the field of computer and engineering sciences.

FILINFO - Teaching profile

Learning outcomes

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

Content:

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|-------------|----------------------------------|---------------|---------------------------------|---|---|
| ○ LINFO1104 | Programming language concepts | Peter Van Roy | FR [q2] [30h+30h] [5 Credits] 🌐 | X | |
| ○ LINFO1123 | Calculability and Complexity [M] | | FR [q2] [30h+30h] [5 Credits] 🌐 | X | |
| ○ LINFO1252 | Informatic Systems | | FR [q1] [30h+30h] [5 Credits] 🌐 | | X |
| ○ LINFO1121 | Algorithms and data structures | | FR [q1] [30h+30h] [5 Credits] 🌐 | | X |
| ○ LINFO1341 | Computer networks | | FR [q2] [30h+30h] [5 Credits] 🌐 | | X |
| ○ LINFO1361 | Artificial intelligence | Yves Deville | FR [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.

FILINFO - Information

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".

