UCL Study

programme

2023 - 2024

Specialization track in Computer Science

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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 fundaments 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 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:*

				Year 2	Year 3
◎ LINFO1104	Programming language concepts	Peter Van Roy	[EN] [q2] [30h+30h] [5 Credits] ⊕	x	
◎ LINFO1123	Calculability, Logic and Complexity	Yves Deville	[EN] [q2] [30h+30h] [5 Credits] ⊕	x	
◎ LINFO1252	Informatic Systems	Etienne Riviere	[EN] [q1] [30h+30h] [5 Credits] ⊕		x
◎ LINFO1121	Algorithms and data structures	Pierre Schaus	[EN] [q1] [30h+30h] [5 Credits] ⊕		x
◎ LINFO1341	Computer networks	Olivier Bonaventure	[EN] [q2] [30h+30h] [5 Credits] ⊕		x
◎ LINFO1361	Artificial intelligence	Eric Piette (compensates Yves Deville)	[EN] [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.

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FILINFO - **Information**

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Evaluation

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