SINC1BA - Introduction

Introduction

Introduction

Computer science, or more generally information and communications technology (ICT), is everywhere; everyone uses computers/

SINC1BA - **Teaching profile**

Learning outcomes

Learning outcomes

Year

1 2 3

O LSINC1252

List of available minors

> Additional module in computer science   *[en-prog-2024-appsinf]*
> Additional module in life sciences and health for computer scientists   *[en-prog-2024-appscvs]*

Course prerequisites

The **table** below lists the activities (course units, or CUs) for which there are one or more prerequisites within the programme, i.e. the programme CU for which the learning outcomes must be certified and the corresponding credits awarded by the jury before registering for that CU.

These activities are also identified **in the detailed programme**: their title is followed by a yellow square.

Prerequisites and student's annual programme

As the prerequisite is for CU registration puposes only, there are no prerequisites within a programme year. Prerequisites are defined between CUs of different years and therefore influence the order in which the student will be able to register for the programme's CUs.

- LSINC1231 - Biochemistry
- LSINC1211 - Probability and Statistics

LSINC1361   "Artificial intelligence" has prerequisite(s) LSINC1103 AND LSINC1402

- LSINC1103 - Introduction to Algorithmics
- LSINC1402 - Computer Science 2

LSINC1402   "Computer Science 2" has prerequisite(s) LSINC1101

- LSINC1101 - Computer Science 1: Introduction to Programming

LSINC1503   "Project 3 in Computer Science: Improvement of Algorithms Efficiency" has prerequisite(s) LSINC1101

- LSINC1101 - Computer Science 1: Introduction to Programming

LSINC1509   "Project 4: application of databases" has prerequisite(s) LSINC1402

- LSINC1402 - Computer Science 2

SINC1BA - 2ND ANNUAL UNIT

LSINC1123

- ○ Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊘ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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...)

○ *Content:*

○ Formation en informatique

○ LSINC1402	Computer Science 2 🟨	Sébastien Jodogne Ramin Sadre	[FR] [q1] [30h +30h] [5 Credits] 🌐
○			[FR] [q1] [30h +30h] [5 Credits] 🌐
○ LSINC1123	Calculability, Logic and Complexity	Yves Deville	[FR] [q2] [30h +30h] [5 Credits] 🌐

SINC1BA - 3RD ANNUAL UNIT

O Mandatory
⌀ Optional
△ Not offered in 2024-2025
⊘ Not offered in 2024-2025 but offered the following year
⊕ Offered in 2024-2025 but not the following year
△ ⊕ Not offered in 2024-2025 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...)

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<tr><td>SINC1BA - Information</td></tr>
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Access Requirements

Decree of 7 November 2013 defining the landscape of higher education and the academic organization of studies.

The admission requirements must be met prior to enrolment in the University.

In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail.

SUMMARY

- General access requirements
- Specific access requirements
- Access based on validation of professional experience
- Special requirements to access some programmes

General access requirements

Except as otherwise provided by other specific legal provisions, admission to undergraduate courses leading to the award of a Bachelor's degree will be granted to students with one of the following qualifications :

1. A Certificate of Upper Secondary Education issued during or after the 1993-1994 academic year by an establishment offering full-time secondary education or an adult education centre in the French Community of Belgium and, as the case may be, approved if it was issued by an educational institution before 1 January 2008 or affixed with the seal of the French Community if it was issued after this date, or an equivalent certificate awarded by the Examination Board of the French Community during or after 1994;

2. A Certificate of Upper Secondary Education issued no later than the end of the 1992-1993 academic year, along with official documentation attesting to the student's ability to pursue higher education for students applying for a full-length undergraduate degree programme;

3. A diploma awarded by a higher education institution within the French Community that confers an academic degree issued under the above-mentioned Decree, or a diploma awarded by a university or institution dispensing full-time higher education in accordance with earlier legislation;

4. A higher education certificate or diploma awarded by an adult education centre;

5. A pass certificate for one of the entrance examinations organized by higher education institutions or by an examination board of the French Community; this document gives admission to studies in the sectors, fields or programmes indicated therein;

6. A diploma, certificate of studies or other qualification similar to those mentioned above, issued by the Flemish Community of Belgium, the German Community of Belgium or the Royal Military Academy;

7. A diploma, certificate of studies or other qualification obtained abroad and deemed equivalent to the first four mentioned above by virtue of a law, decree, European directive or international convention;

Note:

Requests for equivalence must be submitted to the Equivalence department (Service des équivalences) of the Ministry of Higher Education and Scientific Research of the French Community of Belgium in compliance with the official deadline.

The following two qualifications are automatically deemed equivalent to the Certificate of Upper Secondary Education (Certificat d'enseignement secondaire supérieur – CESS):

- European Baccalaureate issued by the Board of Governors of a European School,

- International Baccalaureate issued by the International Baccalaureate Office in Geneva.

8. Official documentation attesting to a student's ability to pursue higher education (diplôme d'aptitude à accéder à l'enseignement supérieur - DAES), issued by the Examination Board of the French Community.

Specific access requirements

- Access to bachelor programmes for candidates of nationality outside the European Union who are not assimilated to Belgian nationals is subject to the following criteria:
  -

- For any secondary school diploma **from a European Union country**, the admission request must contain the equivalence of your dip6di101ny secondary school diploma

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	SST/EPL/INFO
Denomination	(INFO)
Faculty	Louvain School of Engineering (EPL)
Sector	Sciences and Technology (SST)
Acronym	INFO
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Academic supervisor: Siegfried Nijssen

Jury

- Président du jury: Claude Oestges
- Secrétaire du jury: Cristel Pelsser

Useful Contact(s)

- Secrétariat: bac-sinc@uclouvain.be
- Conseillère aux études en sciences informati9s2ues