

ARCB1BA - Introduction

Introduction

ARCB1BA - Teaching profile

Learning outcomes

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

AA1

AA1.1

AA1.2

AA1.3

AA1.4

AA1.5

AA1.6

AA2

AA2.1

AA2.2

AA2.3

AA2.4

AA2.5

AA2.6

AA3

AA3.1

AA3.2

AA3.3

AA3.4

AA4

AA4.1

AA4.2

AA4.3

AA4.4

AA5

AA5.1

AA5.2

AA5.3

AA6

AA6.1

AA6.2

ARCB1BA Programme

Detailed programme by subject

Course prerequisites

has prerequisite(s) **LBARC1164** - Means of expression and representation 8 Tf 1 0 0 -T /F/ TJ 0 g /F5 8 Tf 1 0 0 -

- **LBARC1262** - Construction and materials : generalities

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 purposes 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.

In addition, when the jury validates a student's individual programme at the beginning of the year, it ensures its coherence, meaning that it may:

- require the student to combine registration in two separate CUs which it considers necessary from a pedagogical point of view.
- transform a prerequisite into a corequisite if the student is in the final year of a degree course.

For more information, please consult the [Academic Regulations and Procedures](#).

Prerequisites list "Construction et matériaux : développements"

- LBARC1201** "Projet d'architecture 2 : exploration" has prerequisite(s) **LBARC1101**
- **LBARC1101** - Architectural design studio 1 : initiation
- LBARC1203** "Théorie de l'architecture : théories" has prerequisite(s) **LBARC1102**
- **LBARC1102** - Architectural theory : introduction
- LBARC1221** "Moyens d'expression et représentation : exploration" has prerequisite(s) **LBARC1122**
- **LBARC1122** - Means of expression and representation : initiation
- LBARC1224** "Moyens d'expression et représentation : approfondissement" has prerequisite(s) **LBARC1122**
- **LBARC1122** - Means of expression and representation : initiation
- LBARC1228** "Anglais II" has prerequisite(s) **LBARC1123**
- **LBARC1123** - English I
- LBARC1260** "Physique du bâtiment" has prerequisite(s) **LBARC1144**
- **LBARC1144** - Mathematics - calculus
- LBARC1261** "Analyse des structures 2" has prerequisite(s) **LBARC1143** ET **LBARC1160**
- **LBARC1143** - Mathematics - geometry
 - **LBARC1160** - Structural Analysis 1 : fundamentals of statics and strength of materials
- LBARC1262** "Construction et matériaux : développements" has prerequisite(s) **LBARC1164**
- **LBARC1164** - Construction and materials : generalities
- LBARC1301** "Projet d'architecture 3 : confirmation" has prerequisite(s)

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.

Detailed programme per annual block

ARCB1BA - 1ST ANNUAL UNIT

- 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...)

o Content:





o Architectural project

● LBARC1101	Architectural design studio 1 : initiation	Pierre Burquel Arnaud De Francesco Michèle De Myttenaere Gérald Ledent Marie-Christine Raucant Ariane Van Craen Guénola Vilet	FR [q1+q2] [240h] [20]
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Architectural project

○ LBARC1142	Architecture, town and territory : Environmental Science	Francois Vermer	FB [q1] [40h] [4 Credits] 
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○ Materials, structure and construction

○ LBARC1143	Mathematics - geometry	Marielle Cherpion	FB [q1] [15h +30h] [3 Credits] 
○ LBARC1144	Mathematics - calculus	Marielle Cherpion	FB [q2] [15h +30h] [3 Credits] 
○ LBARC1160	Structural Analysis 1 : fundamentals of statics and strength of materials	Yvette Pelsser	FB [q1] [22.5h +30h] [4 Credits] 
○ LBARC1164	Construction and materials : generalities	Arnd Amand	FB [q2] [30h +15h] [4 Credits] 

○ Pratique professionnelle

○ Languages

○ LBARC1123	English I	Frédéric Declercq	FB [q2] [20h] [2 Credits] 
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ARCB1BA - 2ND ANNUAL UNIT

- 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...)

o Content:

o Architectural project

● LBARC1201

Architectural design studio 2 : exploration ■

o Content:

○ LBARC1263	Materiality and representation	Emilie Bechet Giulia Marino	EN [q2] [30h] [3 Credits] 
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○ Pratique professionnelle

○ Languages

○ LBARC1228	English II 	Frédéric Declercq	EN [q1] [20h] [2 Credits] 
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ARCB1BA - 3RD ANNUAL UNIT

- 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...)

o Content:**o Architectural project**

○ LBARC1301	Architectural design studio 3 : confirmation ■	Emilie Bechet Pierre Burquel Gilles Debrun Vincent Piroux Ariane Van Craen	(FR) [q1+q2] [240h] [20 Credits] 🌐
○ LBARC1307	In-depth project : territory	Roselyne de Lestrang Gilles Debrun Julie Deneff Philippe Honhon	(FR) [q1] [45h] [3 Credits] 🌐

o Expression, representation and communication

○ LBARC1321	Means of expression and representation : Confirmation ■	Joelle Houdé Jerome Malevez Manuel Perez Perez Marie-Christine Raucent	(FR) [q1] [60h] [3 Credits] 🌐
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o Context and culture

○ LBARC1343	Restoration theory	Damien Claeys David Vandembroucke	(FR) [q1] [20h +15h] [3 Credits] 🌐
○ LBARC1345	History and Theory of Architecture : Special questions ■	Beatrice Lampariello	(FR) [q2] [30h] [3 Credits] 🌐
○ LBARC1340	Architecture, town and territory: modes of production	Roselyne de Lestrang Julie Deneff	(FR) [q1] [30h] [3 Credits] 🌐
○ LBARC1344	Socio-anthropology : inhabiting space	Audrey Courbebaisse	

● LBARC1323

English 3 🟡

Carlo Lefevre

ARCB1BA - Information

- For any secondary school diploma **from a European Union country**, the admission request must contain the equivalence of your diploma or, at the very least, proof of the filing of the equivalence request with the Wallonia-Brussels Federation (French Community of Belgium). For any information relating to obtaining an equivalence, please refer to [the following site](#).
- For any secondary school diploma **from a country outside the European Union**, the admission application must contain the [equivalence of your diploma](#) issued by the Wallonia-Brussels Federation (French Community of Belgium). If you have a restrictive equivalence for the programme of your choice, in addition of it, you **must** have either the [DAES](#) or a certificate of successful completion of the [examination giving access to 1st cycle studies](#) when you submit your application

Access based on validation of professional experience

Admission to undergraduate studies on the basis of accreditation of knowledge and skills obtained through professional or personal experience (Accreditation of Prior Experience)

Subject to the general requirements laid down by the authorities of the higher education institution, with the aim of admission to the undergraduate programme, the examination boards accredit the knowledge and skills that students have obtained through their professional or personal experience.

This experience must correspond to at least five years of documented activity, with years spent in higher education being partially taken into account: 60 credits are deemed equivalent to one year of experience, with a maximum of two years being counted. At the end of an assessment procedure organized by the authorities of the higher education institution, the Examination Board will decide whether a student has sufficient skills and knowledge to successfully pursue undergraduate studies.

After this assessment, the Examination Board will determine the additional courses and possible exemptions constituting the supplementary requirements for the student's admission.

Special requirements to access some programmes

- Admission to **undergraduate studies in engineering: civil engineering and architect**

Pass certificate for the [special entrance examination for undergraduate studies in engineering: civil engineering and architect](#).

Admission to these courses is always subject to students passing the special entrance examination. Contact the faculty office for the programme content and the examination arrangements.

- Admission to **undergraduate studies in veterinary medicine**

[Admission to undergraduate studies in veterinary medicine is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in physiotherapy and rehabilitation**

[Admission to undergraduate studies in physiotherapy and rehabilitation is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in psychology and education: speech and language therapy**

[Admission to undergraduate studies in psychology and education: speech and language therapy is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in medicine and dental science**

[Admission to undergraduate studies in medicine and dental science is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

Note: students wishing to enrol for a **Bachelor's degree in Medicine** or a **Bachelor's degree in dental science** must first sit an [aptitude test \(fr\)](#).

- Access to **Bachelor of Science in Business Engineering**

The Bachelor of Science in Business Engineering is a joint program organised by KU Leuven and UCLouvain Saint-Louis Bruxelles. In order to register, all candidate must first submit an application via the [KU Leuven admission platform](#). The [conditions of access](#) to this programme are specific.

Teaching method

Architecture is a specialist discipline and essentially a collective event. It confidently asserts its function to serve society and draws its energy and its inventiveness from the positive constraints imposed by this society and by its own material and spiritual characteristics.

Learning is not restricted to the mere accumulation of knowledge. Know-how and critical thinking are paramount, focused on an essential ethical dimension, with the aim of guiding students towards responsible and competent life skills.

To meet this requirement, discipline, creativity and technical know-how are, in their complementarity and indivisibility, the primary objectives of the training of our students.

In addition to fostering creativity, the ability to manipulate concepts and the ability to act independently and collaboratively, the course strengthens the acquisition of dual skill-sets:

- to build and develop, that is to say, to ground theory in reality;
- to adopt a forward-looking approach, which may lead to research.

Students benefit from an approach which encompasses all the aspects of the architectural discipline: artistic, intellectual, scientific and material.

The teaching methods used are based on a systematic and in-depth use of the foundations of architecture.

Focusing learning on contextual complexity, on increasing the magnitude of the challenges encountered in order to progress towards an improved mastery of solutions, and on adopting teaching practices which combine application, discipline and creativity, are characteristics that have shaped our identity.

In addition, the prime position of the architecture project as the centre of the training, as evidenced by the number of hours in the studio, is reinforced by the strong link between theoretical courses and the project, thereby leading to the integration of knowledge and the complementarity of the teaching.

The definition of clear, precise and regularly updated learning contracts also allows lecturers to situate their course and to coordinate their content and requirements. In the same vein, we recognise the importance of the presence of architecture professionals within the faculty in order to open up the course fully to responsible, current practice which is grounded in reality.

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".

The teaching activities are assessed according to current University regulations (General rules and regulations for exams), namely written and oral examinations, individual or group work, public presentations of projects.

Teaching activities, including those of the architecture project and design, are subject to ongoing assessment with a single overall grade. These continuous assessments take the form of partial assessments, which take place outside the evaluation periods in session according to a specific timetable which is distributed at the start of the academic year.

These assessments must end in May–June. The overall grade achieved is subject to deliberation in June and it is the subject of a report for the deliberation in September, if applicable.

Mobility and/or Internationalisation outlook

Mobility is a major asset to the course. It mainly takes place during the Master's degree. However, Erasmus Belgica exchanges take place as part of the Bachelor's degree.

The Faculty offers more than 30 opportunities for exchanges in Europe. From North to South and from East to West in Europe, exchange programmes allow students to stay one or two semesters in architecture faculties and to learn other approaches and practices in the discipline.

There are also a number of exchange programmes with destinations in Canada, the USA or Latin America.

Possible trainings at the end of the programme

Holders of a Bachelor's in Architecture degree are granted direct access to the Master's in Architecture programme.

