

Make use of other subjects

To be curious and adopt a cross-disciplinary approach to consolidate the basis of what has been learnt

- *Seek out other approaches, exchanges of views and ways of enhancing thinking about architecture*
- *Interpret the knowledge of other subjects*
- *Make use of other subjects to ask questions about the design and implementation of an architectural project*

Use the technical dimension

Be familiar with and recast technical and scientific knowledge of building so as to use it as a driver in designing architecture which is highly efficient and sustainable

- *Be familiar with and describe the main technical principles of building*
- *Observe and assess the main construction principles of a building*
- *Be able to apply the various basic technical principles in a producing a work of architecture*
- *Acquire an instinctive understanding of structures to use in producing a creative work of architecture*

Express an architectural procedure

Use traditional and artistic methods to explore, discover, design, reveal a reality, a design or a project

- *Be familiar with, understand and use the codes for representing space, in two and three dimensions*
- *Convey the experience of spatiality by observing it and posing questions*
- *Identify the main elements of a hypothesis or a proposal to express and communicate them*
- *Test and use relevant means of communication in relation to the target objectives*
- *Express ideas clearly in oral, graphic and written form*

Adopt a professional attitude

Act as an aware player, ready to test out interaction with the stakeholders in construction

- *Organise, plan, develop and bring together the different strands of individual work*
- *Listen to and identify the different needs and points of view of the different stakeholders to be able to bring these together in respect of the desired objectives*
- *Act as an independent player able to understand the framework of his/her mission, and the responsibilities towards third parties*
- *Test and observe the framework of professional practice and architectural knowledge through independent involvement*

Make committed choices

Demonstrate responsible engagement in a situation, with a thoughtful approach to issues of society and culture

- *Activate and develop an ethical sense through approaches to architecture*
- *Develop awareness of the political meaning of the work of an architect and his/her responsibility towards society*
- *Make links between different methodological and epistemological perspectives*
- *Understand the merits of an idea which can lead to the objectives to be achieved by the project; follow through with determination, even by means of a modest intervention, the implementation of this idea and the achievement of these objectives*
- *Imagine ambitious proposals which could call into question the choices made by society*

Programme structure

The Bachelor's in Architecture programme totals 180 credits divided over three years of study corresponding to 60 credits each and comprises:

- A common core of mandatory subjects (150 credits)
- An additional module in architecture (30 credits) comprising 15 mandatory credits and 15 variable credits to choose from 3 sites in the faculty (in the 2nd and 3rd years of the Bachelor's degree)
- An internship

The subjects taught are organised into four specific areas:

- Theories and architectural project
- Expression, representation and communication
- Context, science and culture
- Materials, structures and construction

				Year		
				1	2	3
○ LBARC1321	Means of expression and representation : Confirmation	Joelle Houdé Jerome Malevez Manuel Perez Perez	PR [q1] [60h] [3 Credits]			X
o Méthodologie et recherche (4 credits)						
○ LBARC1105	Introduction to architecture	Cécile Chanvillard Christine Fontaine	PR [q1] [30h+15h] [4 Credits]	X		
o Context and culture (36 credits)						
○ LBARC1102	Architectural theory : introduction	Damien Claeys	PR [q2] [30h] [3 Credits]	X		
○ LBARC1203	Architectural theory : Theories	Cécile Chanvillard	PR [q2] [30h] [3 Credits]		X	
○ LBARC1343	Restoration theory	Damien Claeys David Vandebroucke	PR [q1] [20h+15h] [3 Credits]			X
○ LBARC1140	History of Architecture : from the origins to the Middle Ages	Beatrice Lampariello	PR [q1] [30h] [3 Credits]	X		
○ LBARC1240	History of Architecture : Renaissance to the present	Beatrice Lampariello	PR [q1] [30h] [3 Credits]		X	
○ LBARC1345	History and Theory of Architecture : Special questions	Beatrice Lampariello	PR [q2] [30h] [3 Credits]			X
○ LBARC1142	Architecture, town and territory : Environmental Science	Francois Vermer				

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 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](https://uclouvain.be/fr/decouvrir/rgee.html) (<https://uclouvain.be/fr/decouvrir/rgee.html>).

Prerequisites list

- 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** "English 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) LBARC1201
- LBARC1201 - [Architectural design studio 2 : exploration](#)
- LBARC1321** "Moyens d'expression et représentation : confirmation" has prerequisite(s) LBARC1221 ET LBARC1224
- LBARC1221 - [Means of expression and representation : exploration](#)
 - LBARC1224 - [Means of expression and representation : development](#)
- LBARC1323** "Anglais 3" has prerequisite(s) LBARC1228
- LBARC1228 - [English II](#)
- LBARC1345** "Histoire et théorie de l'architecture : questions spéciales" has prerequisite(s) LBARC1140 ET LBARC1203 ET LBARC1240
- LBARC1140 - [History of Architecture : from the origins to the Middle Ages](#)
 - LBARC1203 - [Architectural theory : Theories](#)
 - LBARC1240 - [History of Architecture : Renaissance to the present](#)
- LBARC1360** "Équipement du bâtiment et conforts" has prerequisite(s) LBARC1260
- LBARC1260 - [Building physics](#)
- LBARC1361** "Conception des structures 1" has prerequisite(s) LBARC1261 ET LBARC1164
- LBARC1261 - [Structural analysis 2](#)
 - LBARC1164 - [Construction and materials : generalities](#)
- LBARC1362** "Construction et matériaux : développements" has prerequisite(s) LBARC1262
- LBARC1262 - [Construction and materials : developments](#)

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

○ 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	Martin Buysse Marielle Cherpion	FB [q1] [15h +30h] [3 Credits]
○ LBARC1144	Mathematics - calculus	Martin Buysse Marielle Cherpion	FB [q2] [15h +30h] [3 Credits]
○ LBARC1160	Structural Analysis 1 : fundamentals of statics and strength of materials	Yvette Pelsser	FB [q2] [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 Carlo Lefevre	FB [q2] [20h] [2 Credits]
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ARCB1BA - 2ND ANNUAL UNIT

- 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...)

o Content:**o Architectural project**

○ LBARC1201	Architectural design studio 2 : exploration ■	Emilie Bechet Marie-Hélène Bulté Francesco Cipolat Thierry Delcommune	(FR) [q1+q2] [240h] [20 Credits] 🌐
○ LBARC1202	In-depth architectural project: architectonics	Marie-Hélène Bulté Marie-Christine Raucant Pascale Van de Kerchove Guénola Vilet	(FR) [q2] [45h] [3 Credits] 🌐

o Expression, representation and communication

○ LBARC1221	Means of expression and representation : exploration ■	Joelle Houdé Jerome Malevez	(FR) [q1] [60h] [3 Credits] 🌐
○ LBARC1224	Means of expression and representation : development ■	Francesco Cipolat Joelle Houdé Manuel Perez Perez	(FR) [q2] [60h] [3 Credits] 🌐

o Context and culture

○ LBARC1203	Architectural theory : Theories ■	Cécile Chanvillard	(FR) [q2] [30h] [3 Credits] 🌐
○ LBARC1240	History of Architecture : Renaissance to the present	Beatrice Lampariello	(FR) [q1] [30h] [3 Credits] 🌐
○ LBARC1241	Architecture, town and territory : morphologies	Chiara Cavalieri	(FR) [q2] [30h] [3 Credits] 🌐
○ LBARC1243	Philosophy	Pascale Seys	(FR) [q1] [30h] [3 Credits] 🌐
○ LTECO1201	Societies, cultures, religions : Ethical questions	Christophe D'Aloisio	(FR) [q1] [15h] [2 Credits] 🌐

o Materials, structure and construction





○ LBARC1260	Building physics ■	Magali Bodart	(FR) [q1] [30h] [3 Credits] 🌐
○ LBARC1261	Structural analysis 2 ■	Yvette Pelsser Jean-François Rondeaux	(FR) [q1] [22.5h +45h] [5 Credits] 🌐
○ LBARC1262	Construction and materials : developments ■	Giulia Marino	(FR) [q2] [30h +15h] [4 Credits] 🌐
○ LBARC1263	Materiality and representation	Emilie Bechet Giulia Marino	(FR) [q2] [30h] [3 Credits] 🌐

o Pratique professionnelle

○ LBARC1323	English 3 	Carlo Lefevre	ES [q1] [20h] [2 Credits] 
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o Cours aux choix bloc3 Q2

L'étudiant.e inscrit.e en bachelier à Tournai choisira 3 crédits de cours au choix au Q2. L'étudiant.e inscrit.e en bachelier à Bruxelles choisira 6 crédits de cours au choix au Q2. Les cours peuvent être choisis à Bruxelles ou à Tournai.

⊗ LBARC1303	In-depth project : heritage	Joelle Houdé Marie-Christine Raucant David Vandembroucke	ES [q2] [45h] [3 Credits] 
⊗ LBARC1325	Expression	Michèle De Myttenaere	ES [q2] [45h] [3 Credits] 
⊗ LTARC1327	In situ : Lemps	Eric Van Overstraeten	ES [q2] [45h] [3 Credits] 
⊗ LBARC1366	Sustainable architecture	Benoit Thielemans	ES [q2] [30h] [3 Credits] 
⊗ LTARC1367	Architecture and materiality	Bernard Wittevrongel	ES [q2] [30h] [3 Credits] 
⊗ LBARC1347	Current landscapes seminar		

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 (<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".

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.

Contacts

Bachelier en architecture « **ARCB1BA** »

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