

**At Bruxelles Saint-Gilles - 180 credits - 3 years - Day schedule - In French**Dissertation/Graduation Project : **NO** - Internship : **YES**Activities in English: **YES** - Activities in other languages : **NO**Activities on other sites : **NO**Main study domain : **Art de bâtir et urbanisme**Organized by: **Faculty of Architecture, Architectural Engineering and Urban Planning (LOCI)**Programme acronym: **ARCB1BA** - Francophone Certification Framework: 6**Table of contents**

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## ARCB1BA - Introduction

### Introduction

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## ARCB1BA - Teaching profile

### Learning outcomes

#### 1. GENERAL AIMS OF THE COURSE

The introduction to architecture, practical architecture project and teaching of the architectural occupations are aimed at training skilled architects on:

- understanding, designing, composing and realising living space by expressing the values underpinning the project;
- performing their role and responsibilities with due consideration for social, cultural, aesthetic, technical and functional, economic, environmental and contextual factors, both in their creations and in a broad range of additional services;
- executing current, new and emerging assignments, with diligence, focus, skill and sensitivity, thus satisfying society's expectations and anticipating future challenges.

This requires the acquisition of specialist knowledge, expertise and theoretical knowledge, as well as the ability to think independently, in order to uphold the values underpinning the architectural project.

#### 2. SPECIFIC OBJECTIVES OF THE BACHELOR'S DEGREE

This cycle introduces students to the values underpinning the architectural discipline. It allows them to acquire the necessary knowledge and methods to develop thinking about architecture and architecture in practice through application and active research.

The course is based on the recognition of the complexity of architecture and on teaching that gradually explores this complexity in depth. Through diligent practical work on an architectural project, the course continually spans the range of issues encountered and increased interdisciplinarity.

This undergraduate course provides fundamental and interdisciplinary training in the different aspects of architecture through the acquisition of:

- design methods for an architectural project;
- techniques for representation and capacities for expression and communication;
- knowledge of exact and human sciences;
- technical knowledge.

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

##### Design a project

When faced with a question of architecture, to choose, analyse and bring together various component elements of an emerging reality. From this, to formulate hypotheses to use when choosing how best to reshape space

- *Sensibly bring together and develop natural and artificial environments (landscape, urban, buildings) within a framework of basic parameters*
- *Express and prioritise the aims of the projects so as to be able to make choices*
- *Understand, test and bring together the organisation of the space through an architectural project*
- *Analyse, consider and invent architectural practices through drawings and models*
- *Adopt approaches which are methodical, creative, metaphorical, perceptive, collaborative etc.*

##### Test an artistic approach

Faced with a given situation, to imagine and implement an idea capable of triggering a process of questioning

- *To capture the "spirit of the time" and identify the means which will enable it to be revealed*
- *To test and extend the limit of the imagination*
- *To imagine, produce and explore various possible avenues to respond to a question*
- *To imagine drivers which can transform perception of what is real*
- *To take a deliberate step from an uncertain beginning by assembling pre-existing concepts and ideas to form a proposal*

##### Build knowledge of architecture

Be familiar with and understand written, drawn or built references which form the foundation of the discipline

- *Be familiar with and analyse the basic references*
- *Be able to use given references which, by analogy, can lead to other interpretations of the context*
- *Develop and make use of knowledge in the discipline*

##### Place the action

Observe, analyse and interpret the main components of the prevailing cultural situation. Show the potential of this situation through the impact of the architectural project.

- *Recognise, observe and describe the targeted environments and contexts*
- *Analyse the environments and contexts according to various given methods and starting from various identified points of view*
- *Formulate questions relating to the development of the context being studied to make working hypotheses*
- *Experiment with the possibilities of transforming a context*

**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

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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

## ARCB1BA Programme

## Detailed programme by subject

- Mandatory
- ⊗ Optional
- △ Not offered in 2021-2022
- ⊖ Not offered in 2021-2022 but offered the following year
- ⊕ Offered in 2021-2022 but not the following year
- △ ⊕ Not offered in 2021-2022 or the following year
- Activity with requisites
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year

1 2 3

## o Content:

## o Architectural project (66 credits)

○ LBARC1101	Architectural design studio 1 : initiation	Jean-Luc Capron Michèle De Myttenaere Marie-Christine Raucent Ariane Van Craen Guénola Vilet	FR [q1+q2] [240h] [20 Credits]	x		
○ LBARC1201	Architectural design studio 2 : exploration ■	Emilie Bechet Marie-Hélène Bulté Francesco Cipolat Thierry Delcommune	FR [q1+q2] [240h] [20 Credits]		x	
○ LBARC1301	Architectural design studio 3 : confirmation ■	Gilles Debrun Philippe Honhon Vincent Piroux Gregoire Guillaume	FR [q1+q2] [240h] [20 Credits]			x
○ LBARC1202	In-depth architectural project: architectonics	Marie-Hélène Bulté Marie-Christine Raucent Pascale Van de Kerchove Guénola Vilet	FR [q2] [45h] [3 Credits]		x	
○ LBARC1307	In-depth project : territory	Roselyne de Lestrangé Gilles Debrun Julie Deneff Philippe Honhon Gregoire Guillaume	FR [q1] [45h] [3 Credits]			x

## o Expression, representation and communication (19 credits)

○ LBARC1120	Spatial geometry: introduction to modes of representation	Thierry Delcommune Jerome Malevez	FR [q1] [15h+22.5h] [3 Credits]	x		
○ LBARC1121	Spatial geometry : exploration of descriptive drawing	Thierry Delcommune Jerome Malevez	FR [q2] [15h+22.5h] [3 Credits]	x		
○ LBARC1122	Means of expression and representation : initiation	Michèle De Myttenaere Joelle Houdé Jerome Malevez Manuel Perez Perez Marie-Christine Raucent	FR [q1+q2] [90h] [4 Credits]	x		
○ LBARC1221	Means of expression and representation : exploration ■	Joelle Houdé Jerome Malevez	FR [q1] [60h] [3 Credits]		x	
○ LBARC1224	Means of expression and representation : development	Francesco Cipolat Joelle Houdé Manuel Perez Perez	FR [q2] [60h] [3 Credits]		x	
○ LBARC1321	Means of expression and representation : Confirmation ■	Joelle Houdé Jerome Malevez Manuel Perez Perez	FR [q1] [60h] [3 Credits]			x

### o Méthodologie et recherche (4 credits)

o LBARC1105	Introduction to architecture	Cécile Chanvillard Christine Fontaine	FR [q1] [30h+15h] [4 Credits]	X		
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### o Context and culture (36 credits)

o LBARC1102	Architectural theory : introduction	Damien Claeys	FR [q2] [30h] [3 Credits]	X		
o LBARC1203	Architectural theory : Theories	Cécile Chanvillard	FR [q2] [30h] [3 Credits]		X	
o LBARC1343	Restoration theory	Damien Claeys David Vandenbroucke	FR [q1] [20h+15h] [3 Credits]			X
o LBARC1140	History of Architecture : from the origins to the Middle Ages	Beatrice Lampariello	FR [q1] [30h] [3 Credits]	X		
o LBARC1240	History of Architecture : Renaissance to the present	Beatrice Lampariello	FR [q1] [30h] [3 Credits]		X	
o LBARC1345	History and Theory of Architecture : Special questions	Beatrice Lampariello	FR [q2] [30h] [3 Credits]			X
o LBARC1142	Architecture, town and territory : Environmental Science	Francois Vermer	FR [q1] [40h] [4 Credits]	X		
o LBARC1241	Architecture, town and territory : morphologies	Pierre Vanderstraeten	FR [q1] [30h] [3 Credits]		X	
o LBARC1340	Architecture, town and territory: modes of production	Roselyne de Lestrangé Julie Deneff	FR [q1] [30h] [3 Credits]			X
o LBARC1243	Philosophy	Pascale Seys	FR [q2] [30h] [3 Credits]		X	
o LBARC1344	Socio-anthropology : inhabiting space	Audrey Courbebaisse	FR [q2] [30h] [3 Credits]			X
o LTECO1201	Societies, cultures, religions : Ethical questions	Bernard-Louis Ghislain	FR [q1] [15h] [2 Credits]		X	

### o Materials, structure and construction (41 credits)

o LBARC1143	Mathematics - geometry	Martin Buysse Marielle Cherpion	FR [q1] [15h+30h] [3 Credits]	X		
o LBARC1144	Mathematics - calculus	Martin Buysse Marielle Cherpion	FR [q2] [15h+30h] [3 Credits]	X		
o LBARC1260	Building physics	Magali Bodart	FR [q1] [30h] [3 Credits]		X	
o LBARC1360	Building mechanical systems and comfort	Magali Bodart Geoffrey Van Moeseke	FR [q1] [40h] [4 Credits]			X
o LBARC1160	Structural Analysis 1 : fundamentals of statics and strength of materials	Yvette Pelsser	FR [q2] [22.5h+30h] [4 Credits]	X		
o LBARC1261	Structural analysis 2	Yvette Pelsser Jean-François Rondeaux	FR [q1] [22.5h+45h] [5 Credits]			X
o LBARC1361	Structural Design 1	Jean-François Rondeaux	FR [q2] [40h] [4 Credits]			X
o LBARC1164	Construction and materials : generalities	Jean-Francois Roger France	FR [q2] [30h+15h] [4 Credits]	X		
o LBARC1262	Construction and materials : developments	Jean-Francois Roger France	FR [q2] [30h+15h] [4 Credits]		X	
o LBARC1362	Construction and materials : developements	Adrian Joyce	EN [q2] [40h] [4 Credits]			X
o LBARC1263	Materiality and representation	Emilie Bechet Giulia Marino	FR [q2] [30h] [3 Credits]		X	

### o Pratique professionnelle

o LBARC1380	Internship	Jerome Malevez (coord.)	FR [q2] [] [2 Credits]			X
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### o Languages (6 credits)

o LBARC1123	English I	Frédéric Declercq Carlo Lefevre	FR [q2] [20h] [2 Credits]	X		
o LBARC1228	English II	Frédéric Declercq	EN [q1] [20h] [2 Credits]		X	
o LBARC1323	English 3	Carlo Lefevre	FR [q1] [20h] [2 Credits]			X

### o Cours aux choix bloc3 Q2 (6 credits)

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	FB [q2] [45h] [3 Credits]				X
⊗ LBARC1325	Expression	Michèle De Myttenaere	FB [q2] [45h] [3 Credits]				X
⊗ LTARC1327	In situ : Lemps	Pierre Accarain Eric Van Overstraeten	FB [q2] [45h] [3 Credits]				X
⊗ LBARC1366	Sustainable architecture	Benoit Thielemans	FB [q2] [30h] [3 Credits]				X
⊗ LTARC1367	Architecture and materiality	Bernard Wittevrongel	FB [q2] [30h] [3 Credits]				X
⊗ LBARC1347	Current landscapes seminar	Denis Dujardin	FB [q2] [30h] [3 Credits]				X
⊗ LBARC1346	Designing with light	Jean-Luc Capron	FB [q2] [30h] [3 Credits]				X
⊗ LTARC1325	History of modern and contemporary art	Henry Pouillon	FB [q2] [30h] [3 Credits]				X

## 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:

- transform a prerequisite into a corequisite within the same year (to enable the student to continue his or her studies with a sufficient annual course load)
- require the student to combine registration in two separate CUs which it considers necessary from a pedagogical point of view.

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
- LBARC1228** "English II" has prerequisite(s) LBARC1123
- LBARC1123 - English I
- LBARC1260** "Physique du bâtiment" has prerequisite(s) LBARC1143 ET LBARC1144
- LBARC1143 - Mathematics - geometry
  - 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** "Equipped building and comforts" has prerequisite(s) LBARC1260
- LBARC1260 - Building physics
- LBARC1361** "Conception des structures 1" has prerequisite(s) LBARC1261 ET LBARC1262
- LBARC1261 - Structural analysis 2
  - LBARC1262 - Construction and materials : developments
- LBARC1362** "Construction and materials : developments" 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 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 2021-2022
- ⊖ Not offered in 2021-2022 but offered the following year
- ⊕ Offered in 2021-2022 but not the following year
- △ ⊕ Not offered in 2021-2022 or the following year
- Activity with requisites
- (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	Jean-Luc Capron Michèle De Myttenaere Marie-Christine Raucent Ariane Van Craen Guénola Vilet	(FR) [q1+q2] [240h] [20 Credits]
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##### o Expression, representation and communication

○ LBARC1120	Spatial geometry: introduction to modes of representation	Thierry Delcommune Jerome Malevez	(FR) [q1] [15h +22.5h] [3 Credits]
○ LBARC1121	Spatial geometry : exploration of descriptive drawing	Thierry Delcommune Jerome Malevez	(FR) [q2] [15h +22.5h] [3 Credits]
○ LBARC1122	Means of expression and representation : initiation	Michèle De Myttenaere Joelle Houdé Jerome Malevez Manuel Perez Perez Marie-Christine Raucent	(FR) [q1+q2] [90h] [4 Credits]

##### o Méthodologie et recherche

○ LBARC1105	Introduction to architecture	Cécile Chanvillard Christine Fontaine	(FR) [q1] [30h+15h] [4 Credits]
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##### o Context and culture

○ LBARC1102	Architectural theory : introduction	Damien Claeys	(FR) [q2] [30h] [3 Credits]
○ LBARC1140	History of Architecture : from the origins to the Middle Ages	Beatrice Lampariello	(FR) [q1] [30h] [3 Credits]
○ LBARC1142	Architecture, town and territory : Environmental Science	Francois Vermer	(FR) [q1] [40h] [4 Credits]

##### o Materials, structure and construction

○ LBARC1143	Mathematics - geometry	Martin Buysse Marielle Cherpion	(FR) [q1] [15h+30h] [3 Credits]
○ LBARC1144	Mathematics - calculus	Martin Buysse Marielle Cherpion	(FR) [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	Jean-Francois Roger France	FB [q2] [30h+15h] [4 Credits]

## o Pratique professionnelle

### o 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 2021-2022
- ⊖ Not offered in 2021-2022 but offered the following year
- ⊕ Offered in 2021-2022 but not the following year
- △ ⊕ Not offered in 2021-2022 or the following year
- Activity with requisites
- [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 Raucet 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	Pierre Vanderstraeten	FR [q1] [30h] [3 Credits]
○ LBARC1243	Philosophy	Pascale Seys	FR [q2] [30h] [3 Credits]
○ LTECO1201	Societies, cultures, religions : Ethical questions	Bernard-Louis Ghislain	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 ■	Jean-Francois Roger France	FR [q2] [30h+15h] [4 Credits]
○ LBARC1263	Materiality and representation	Emilie Bechet Giulia Marino	FR [q2] [30h] [3 Credits]

o Pratique professionnelle

o Languages

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

- Mandatory
- ⊗ Optional
- △ Not offered in 2021-2022
- ⊖ Not offered in 2021-2022 but offered the following year
- ⊕ Offered in 2021-2022 but not the following year
- △ ⊕ Not offered in 2021-2022 or the following year
- Activity with requisites
- [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 ■	Gilles Debrun Philippe Honhon Vincent Piroux Gregoire Guillaume	FR [q1+q2] [240h] [20 Credits]
○ LBARC1307	In-depth project : territory	Roselyne de Lestrang Gilles Debrun Julie Denef Philippe Honhon Gregoire Guillaume	FR [q1] [45h] [3 Credits]

**o Expression, representation and communication**

○ LBARC1321	Means of expression and representation : Confirmation ■	Joelle Houdé Jerome Malevez Manuel Perez Perez	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 Denef	FR [q1] [30h] [3 Credits]
○ LBARC1344	Socio-anthropology : inhabiting space	Audrey Courbebaisse	FR [q2] [30h] [3 Credits]

**o Materials, structure and construction**

○ LBARC1360	Building mechanical systems and comfort ■	Magali Bodart Geoffrey Van Moeseke	FR [q1] [40h] [4 Credits]
○ LBARC1361	Structural Design 1 ■	Jean-François Rondeaux	FR [q2] [40h] [4 Credits]
○ LBARC1362	Construction and materials : developements ■	Adrian Joyce	FR [q2] [40h] [4 Credits]

**o Pratique professionnelle**

○ LBARC1380	Internship	Jerome Malevez (coord.)	FR [q2] [] [2 Credits]
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**o Languages**

○ LBARC1323	English 3 ■	Carlo Lefevre	FR [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 Raucet David Vandembroucke	FB [q2] [45h] [3 Credits]
⌘ LBARC1325	Expression	Michèle De Myttenaere	FB [q2] [45h] [3 Credits]
⌘ LTARC1327	In situ : Lempis	Pierre Accarain Eric Van Overstraeten	FB [q2] [45h] [3 Credits]
⌘ LBARC1366	Sustainable architecture	Benoit Thielemans	FB [q2] [30h] [3 Credits]
⌘ LTARC1367	Architecture and materiality	Bernard Wittevrongel	FB [q2] [30h] [3 Credits]
⌘ LBARC1347	Current landscapes seminar	Denis Dujardin	FB [q2] [30h] [3 Credits]
⌘ LBARC1346	Designing with light	Jean-Luc Capron	FB [q2] [30h] [3 Credits]
⌘ LTARC1325	History of modern and contemporary art	Henry Pouillon	FB [q2] [30h] [3 Credits]

## ARCB1BA - Information

### 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](https://uclouvain.be/fr/etudier/inscriptions/examens-admission.html) (https://uclouvain.be/fr/etudier/inscriptions/examens-admission.html) 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

- To be eligible to apply to a bachelor's programme, holder of a non-belgian degree who do not have Belgian student status must also:
  - have earned a secondary school degree within the last three years;
  - not already hold a bachelor's degree; and,
- Candidates, whatever their nationality, with a secondary school diploma from a country outside the European Union, must have obtained an average of 13/20 minimum or, failing that, have obtained this average, have passed one year of study in Belgium (for example special Maths / sciences).
- 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](#).

- Not to have obtained a secondary education diploma for more than 3 years maximum. Example: for an admission application for the academic year 2021-2022, you must have obtained your diploma during the academic years 2018-2019, 2019-2020 or 2020-2021. In the French Community of Belgium, the academic year runs from September 14 to September 13.[l\\_information/2021/common-bachelor/](#)

## 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](https://uclouvain.be/fr/facultes/epl/examenadmission.html) (<https://uclouvain.be/fr/facultes/epl/examenadmission.html>).

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 \(non-residents\)](https://uclouvain.be/en/study/inscriptions/etudes-contingentes.html) (<https://uclouvain.be/en/study/inscriptions/etudes-contingentes.html>).

- 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 \(non-residents\)](https://uclouvain.be/en/study/inscriptions/etudes-contingentes.html). (<https://uclouvain.be/en/study/inscriptions/etudes-contingentes.html>)

- 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 \(non-residents\)](https://uclouvain.be/en/study/inscriptions/etudes-contingentes.html) (<https://uclouvain.be/en/study/inscriptions/etudes-contingentes.html>).

- 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 \(non-residents\)](https://uclouvain.be/en/study/inscriptions/etudes-contingentes.html). (<https://uclouvain.be/en/study/inscriptions/etudes-contingentes.html>)

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 \(fr\)](https://uclouvain.be/en/study/inscriptions/etudes-contingentes.html) (<https://uclouvain.be/en/study/inscriptions/etudes-contingentes.html>).



## Teaching method

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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

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***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

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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

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

## Contacts

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Bachelier en architecture « **ARCB1BA** »

### Administration facultaire

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doyen : [Jean Stillemans](#)

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### Site « Architecture Saint-Luc - Bruxelles »

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Président : [Martin Buysse](#)

Secrétaire : [Pierre Vanderstraeten](#)

Jury restreint : [François Nizet](#), [Christine Fontaine](#), [Joëlle Houdé](#), [Martin Buysse](#) (président), [Pierre Vanderstraeten](#) (secrétaire)

## Curriculum Management

