

At Bruxelles Saint-Gilles - 180 credits - 3 years - Day schedule - In FrenchDissertation/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

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

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 2022-2023
- ⊖ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 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...)

| | Year | | |
|--|------|---|---|
| | 1 | 2 | 3 |

o Content:

o Architectural project (66 credits)

| | | | | | | |
|-------------|--|--|----------------------------------|---|---|---|
| ○ LBARC1101 | Architectural design studio 1 : initiation | Pierre Burquel 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 | 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 Denef Philippe Honhon Pierre Vanderstraeten | 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 | Damien Claeys 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 |

| | | | | Year | | |
|---|---|--|-----------------------------------|------|---|---|
| | | | | 1 | 2 | 3 |
| ○ 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) | | | | | | |
| ○ LBARC1105 | Introduction to architecture | Cécile Chanvillard Christine Fontaine | FR [q1] [30h+15h] [4 Credits] 🌐 | X | | |
| o Context and culture (36 credits) | | | | | | |
| ○ LBARC1102 | Architectural theory : introduction | Damien Claeys | FR [q2] [30h] [3 Credits] 🌐 | X | | |
| ○ LBARC1203 | Architectural theory : Theories 🟡 | Cécile Chanvillard | FR [q2] [30h] [3 Credits] 🌐 | | X | |
| ○ LBARC1343 | Restoration theory | Damien Claeys David Vandembroucke | FR [q1] [20h+15h] [3 Credits] 🌐 | | | X |
| ○ LBARC1140 | History of Architecture : from the origins to the Middle Ages | Beatrice Lampariello | FR [q2] [30h] [3 Credits] 🌐 | X | | |
| ○ LBARC1240 | History of Architecture : Renaissance to the present | Beatrice Lampariello | FR [q1] [30h] [3 Credits] 🌐 | | X | |
| ○ LBARC1345 | History and Theory of Architecture : Special questions 🟡 | Beatrice Lampariello | FR [q2] [30h] [3 Credits] 🌐 | | | X |
| ○ LBARC1142 | Architecture, town and territory : Environmental Science | Francois Vermer | FR [q1] [40h] [4 Credits] 🌐 | X | | |
| ○ LBARC1241 | Architecture, town and territory : morphologies | Pierre Vanderstraeten | FR [q2] [30h] [3 Credits] 🌐 | | X | |
| ○ LBARC1340 | Architecture, town and territory: modes of production | Roselyne de Lestrangle Julie Deneff | FR [q1] [30h] [3 Credits] 🌐 | | | X |
| ○ LBARC1243 | Philosophy | Pascale Seys | FR [q1] [30h] [3 Credits] 🌐 | | X | |
| ○ LBARC1344 | Socio-anthropology : inhabiting space | Audrey Courbebaisse | FR [q2] [30h] [3 Credits] 🌐 | | | X |
| ○ LTECO1201 | Societies, cultures, religions : Ethical questions | Christophe D'Aloisio | FR [q1] [15h] [2 Credits] 🌐 | | X | |
| o Materials, structure and construction (41 credits) | | | | | | |
| ○ LBARC1143 | Mathematics - geometry | Martin Buysse Marielle Cherpion | FR [q1] [15h+30h] [3 Credits] 🌐 | X | | |
| ○ LBARC1144 | Mathematics - calculus | Martin Buysse Marielle Cherpion | FR [q2] [15h+30h] [3 Credits] 🌐 | X | | |
| ○ LBARC1260 | Building physics 🟡 | Magali Bodart | FR [q1] [30h] [3 Credits] 🌐 | | X | |
| ○ LBARC1360 | Building mechanical systems and comfort 🟡 | Magali Bodart Geoffrey Van Moeseke | FR [q1] [40h] [4 Credits] 🌐 | | | X |
| ○ LBARC1160 | Structural Analysis 1 : fundamentals of statics and strength of materials | Yvette Pelsser | FR [q2] [22.5h+30h] [4 Credits] 🌐 | X | | |
| ○ LBARC1261 | Structural analysis 2 🟡 | Yvette Pelsser Jean-François Rondeaux | FR [q1] [22.5h+45h] [5 Credits] 🌐 | | X | |
| ○ LBARC1361 | Structural Design 1 🟡 | Jean-François Rondeaux | FR [q2] [40h] [4 Credits] 🌐 | | | X |
| ○ LBARC1164 | Construction and materials : generalities | Jean-Francois Roger France | FR [q1] [30h+15h] [4 Credits] 🌐 | X | | |
| ○ LBARC1262 | Construction and materials : developments 🟡 | Jean-Francois Roger France | FR [q2] [30h+15h] [4 Credits] 🌐 | | X | |
| ○ LBARC1362 | Construction and materials : developments 🟡 | Adrian Joyce | EN [q2] [40h] [4 Credits] 🌐 | | | X |
| ○ LBARC1263 | Materiality and representation | Emilie Bechet Giulia Marino | FR [q2] [30h] [3 Credits] 🌐 | | X | |
| o Pratique professionnelle | | | | | | |
| ○ LBARC1380 | Internship | Jerome Malevez (coord.) | FR [q2] [] [2 Credits] 🌐 | | | X |
| o Languages (6 credits) | | | | | | |
| ○ LBARC1123 | English I | Frédéric Declercq Carlo Lefevre | FR [q2] [20h] [2 Credits] 🌐 | X | | |
| ○ LBARC1228 | English II 🟡 | Frédéric Declercq | EN [q1] [20h] [2 Credits] 🌐 | | | X |

| | | | | Year | | |
|-------------|--------------|---------------|-----------------------------|------|---|---|
| | | | | 1 | 2 | 3 |
| ○ LBARC1323 | English 3 🇺🇸 | Carlo Lefevre | PR [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 Raucet David Vandenbroucke | PR [q2] [45h] [3 Credits] 🌐 | | | X |
| ⊗ LBARC1325 | Expression | Michèle De Myttenaere | PR [q2] [45h] [3 Credits] 🌐 | | | X |
| ⊗ LTARC1327 | In situ : Lempis | Eric Van Overstraeten | PR [q2] [45h] [3 Credits] 🌐 | | | X |
| ⊗ LBARC1366 | Sustainable architecture | Benoit Thielemans | PR [q2] [30h] [3 Credits] 🌐 | | | X |
| ⊗ LTARC1367 | Architecture and materiality | Bernard Wittevrongel | PR [q2] [30h] [3 Credits] 🌐 | | | X |
| ⊗ LBARC1347 | Current landscapes seminar | Denis Dujardin | PR [q2] [30h] [3 Credits] 🌐 | | | X |
| ⊗ LBARC1346 | Designing with light | Jean-Luc Capron | PR [q2] [30h] [3 Credits] 🌐 | | | X |
| ⊗ LTARC1325 | History of modern and contemporary art | Henry Pouillon | PR [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:

- 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

- 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 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 2022-2023
- ⊙ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 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 Jean-Luc Capron Michèle De Myttenaere Marie-Christine Raucent Ariane Van Craen Guénola Vilet | [FR] [q1+q2] [240h] [20 Credits] 🌐 |
|-------------|--|--|---|

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 | Damien Claeys 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] 🌐 |
|-------------|--|--|---|

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] [q2] [30h] [3 Credits] 🌐 |

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

○ 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 | Jean-Francois Roger France | FB [q1] [30h +15h] [4 Credits] |

○ Pratique professionnelle

○ Languages

| | | | |
|-------------|-----------|------------------------------------|---------------------------------|
| ○ LBARC1123 | English I | Frédéric Declercq Carlo Lefevre | FB [q2] [20h] [2 Credits] |
|-------------|-----------|------------------------------------|---------------------------------|

ARCB1BA - 2ND ANNUAL UNIT

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊖ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 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 | Pierre Vanderstraeten | (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 ■ | 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]  |
|-------------|--|-------------------|---|

ARCB1BA - 3RD ANNUAL UNIT

- Mandatory
- ⊗ Optional
- △ Not offered in 2022-2023
- ⊖ Not offered in 2022-2023 but offered the following year
- ⊕ Offered in 2022-2023 but not the following year
- △ ⊕ Not offered in 2022-2023 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 ■ | Gilles Debrun Philippe Honhon Vincent Piroux | FR [q1+q2] [240h] [20 Credits] 🌐 |
| ○ LBARC1307 | In-depth project : territory | Roselyne de Lestrangle Gilles Debrun Julie Deneff Philippe Honhon Pierre Vanderstraeten | FR [q1] [45h] [3 Credits] 🌐 |

o Expression, representation and communication

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|-------------|---|--|-----------------------------------|
| ○ 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

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|-------------|--|--|---|
| ○ 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 Lestrangle Julie Deneff | 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 : developments ■ | Adrian Joyce | FR [q2] [40h] [4 Credits] 🌐 |

o Pratique professionnelle

| | | | |
|-------------|------------|-------------------------|--------------------------------|
| ○ LBARC1380 | Internship | Jerome Malevez (coord.) | FR [q2] [] [2 Credits] 🌐 |
|-------------|------------|-------------------------|--------------------------------|

o Languages

| | | | |
|-------------|-------------|---------------|-----------------------------------|
| ○ LBARC1323 | English 3 ■ | Carlo Lefevre | FR [q1] [20h] [2 Credits] 🌐 |
|-------------|-------------|---------------|-----------------------------------|

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 : Lemps | 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](#) 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](#).

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 \(fr\)](#).

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.

Contacts

Bachelier en architecture « **ARCB1BA** »

Administration facultaire

UCL/SST/LOCI - Faculté d'architecture, d'ingénierie architecturale, d'urbanisme
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doyen : [Jean Stillemans](#)

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Coordinateur académique de la mobilité erasmus et échanges internationaux : [Christine Fontaine](#)

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Jurys

Président : [Martin Buysse](#)

Secrétaire : [Pierre Vanderstraeten](#)

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

Curriculum Management

