

At Bruxelles Saint-Gilles - 120 credits - 2 years - Day schedule - In FrenchDissertation/Graduation Project : **YES** - Internship : **YES**Activities in English: **optional** - Activities in other languages : **NO**Activities on other sites : **optional**Main study domain : **Art de bâtir et urbanisme**Organized by: **Faculty of Architecture, Architectural Engineering and Urban Planning (LOCI)**Programme acronym: **ARCB2M** - Francophone Certification Framework: 7**Table of contents**

Introduction	2
Teaching profile	3
Learning outcomes	3
Programme structure	4
Programme	5
Detailed programme by subject	5
Alternatives	15
Course prerequisites	18
The programme's courses and learning outcomes	18
Information	19
Access Requirements	19
Evaluation	21
Possible trainings at the end of the programme	21

ARCB2M - Introduction

Introduction

ARCB2M - Teaching profile

Learning outcomes

The challenge for students of architecture, at the end of their Master's course, is to integrate and develop in autonomy the various skills required to analyse, assess and to devise architectural projects. Fully aware of their responsibilities, they will be able to make choices in order to structure the places which are inhabited, invested and produced by local authorities and individuals.

During these two years of study, students have an opportunity to further their knowledge in specific areas such as landscaping, urbanism, heritage, architectonics or sustainable development... The skills gained in architecture school will be assessed by external scholars and practicing architects invited to participate in their evaluations, and our graduates' training will open doors to the field's multiple dimensions.

The skills needed to enter the profession, introduced over the course of study, will be put into practice and completed by a post-graduation professional internship.

The Master's degree also opens access to various fields of specialisation thanks to bridges towards complementary Master's programmes in heritage, urbanism, design... Finally, our faculty's graduates interested in research can also undertake doctoral work.

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

Design a project

When faced with a complex 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 with a controlled logic, 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 artistic 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 reformulate, assimilate a question and explore various possible avenues to respond to it*
- *To imagine drivers which can transform the perception of what is real*
- *To take a deliberate step from an uncertain beginning by assembling pre-existing concepts that are both first diffuse and heterogeneous, to reach a proposal that others can comprehend*

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 discipline's basic references*
- *Be able to use given references which, by analogy, can lead to other interpretations of the context*
- *Develop knowledge and become an active participant in the learning process*

Place the action

Observe, analyse and interpret with rigour the various material, social, cultural components of the prevailing situation in which the thinking is elaborated. Show the potential of this situation through the impact of the architectural project

- *Recognise, observe and produce critical assessments of the targeted environments and contexts*
- *Identify and analyse the paradigms on which the study is based according to various given methods and starting from various 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 and synthesise the knowledge of other subjects*
- *Make strategic use of other subjects to put into question the design and implementation of an architectural project*
- *Bring all this back to the original discipline*

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 interpret the main technical principles of construction*
- *Observe and assess the main construction principles that give architecture a formal, material and temporal dimension*
- *Be able to apply the various basic technical principles in producing a work of architecture*
- *Acquire an instinctive understanding of structures to use in producing a creative and/or innovative 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 in all its complexity by observing it and posing questions*
- *Identify the founding elements of a hypothesis or a proposal to express and communicate them*
- *Test and use relevant means of communication in relation to the intended audience and 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 or collective 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 as well as his/her legal obligations*
- *Test and observe the framework of professional practice and to 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 Master's of Architecture programme totals **120** credits divided over two years of study corresponding to 60 credits each.
- It consists of mandatory activities totalling **100** credits, including the professional focus for 30 credits.
- Each student selects a total of **20** credits from among the option courses on offer: 8 credits in Master's 1, and 12 credits in Master's 2. Amongst these optional courses, some corresponding to 6 credits (2 credits in Master's 1 and 4 credits in Master's 2), are related to the selection of one of the three in-depth studies carried out at the start of Master's 1. The remaining optional courses can be chosen freely.

In fact, during the Master's degree, three in-depth studies are offered to the students. These offer opportunities to focus on a particular component of architecture and its practice, without in any way undermining our awareness of the inseparability and simultaneity of all the dimensions of architecture.

Each student has to choose an in-depth study at the start of Master's 1 which will remain theirs for the duration of the two years of the Master's.

The three studies proposed cover issues which are crucial for the future of architecture:

- **Architectonics** (Integrating the constructive culture into architectural design)
- **Heritage** (Improving existing buildings through contemporary intervention)
- **Territories** (The structure and configuration of the landscape and urban spaces)

For each of the studies, some specialist studio sessions are proposed.

The programme for this Master's, whatever the focus or options chosen, is a minimum of 120 credits divided over two years of study, each corresponding to 60 credits.

ARCB2M Programme

Detailed programme by subject

CORE COURSES

- 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

○ Architectural studio (20 credits)

○ LBARC2101	Architectural design studio 4: further exploration	Emmanuel Beldars Abdelmajid Boulaïouin David Schmitz Pascale Van de Kerchove	FR [q1+q2] [240h] [20 Credits] 🌐	X	
-------------	--	---	----------------------------------	---	--

○ Master Thesis (16 credits)

○ LBARC2200	Master thesis		FR [q2] [] [16 Credits] 🌐		X
-------------	---------------	--	---------------------------	--	---

○ Expression, representation and communication (3 credits)

○ LBARC2120	Means of expression and representation: narration	Éva Le Roi Vincent Piroux	FR [q2] [60h] [3 Credits] 🌐	X	
-------------	---	------------------------------	-----------------------------	---	--

○ Materials, structure and construction (11 credits)

○ LBARC2160	Building mechanical systems and flows	Magali Bodart Jean-Francois Roger France	FR [q1] [40h] [4 Credits] 🌐	X	
○ LBARC2161	Structural Design 2	Luc Sottiaux	FR [q2] [40h] [4 Credits] 🌐	X	
○ LBARC2162	Construction materials and mechanical systems	Christophe Gillis	FR [q1] [30h] [3 Credits] 🌐	X	

○ Context and culture (12 credits)

○ LBARC2140	History of architecture : contemporary issues	Gregorio Carboni	FR [q2] [30h] [3 Credits] 🌐	X	
○ LBARC2141	Theory of Architecture : contemporary issues	Damien Claeys	FR [q2] [30h] [3 Credits] 🌐	X	
○ LBARC2240	Utopias and realities of dwelling	Gérald Ledent	FR [q1] [30h] [3 Credits] 🌐		X
○ LBARC2142	Architecture, town and territory: theories and methods of urbanism	Pierre Vanderstraeten	FR [q1] [30h] [3 Credits] 🌐 > English-friendly	X	

○ Professional practice (6 credits)

○ LBARC2280	Law and professional responsibilities	Joel Van Ypersele De Strihou	FR [q1] [30h] [3 Credits] 🌐 > English-friendly		X
○ LBARC2281	Project management and professional practice	Christophe Gillis	FR [q1] [30h] [3 Credits] 🌐		X

o Elective Units (6 credits)

⌘ LBARC2126	Industrial design studio	Charles Kaisin	FR [q2] [45h] [3 Credits] 🌐	X	X
⌘ LTARC2127	Theory of the image	Anne Nottebaert Yeung Fun Yuen	FR [q2] [30h] [3 Credits] 🌐	X	X
⌘ LBARC2147	History of gardens	Roselyne de Lestrangle	FR [q2] [30h] [3 Credits] 🌐	X	X
⌘ LTARC2145	Phenomenology	Marie-Clotilde Roose	FR [q2] [30h] [3 Credits] 🌐	X	X
⌘ LBARC2148	Critique d'architecture contemporaine		FR [q2] [30h] [3 Credits] Δ 🌐	X	X
⌘ LTARC2167	studio 1/1 scale	Mathieu De Paepe Franck Miner	FR [q2] [45h] [3 Credits] 🌐 > English-friendly	X	X
⌘ LBARC2149	Perceptions and practices of the build environment	Jean-Luc Capron	FR [q2] [30h] [3 Credits] 🌐 > English-friendly	X	X
⌘ LTARC2169	Modeling project data	Maidier Llaguno	FR [q2] [30h] [3 Credits] 🌐 > English-friendly	X	X
⌘ LBARC2186	Urban planning and environmental law	Joel Van Ypersele De Strihou	FR [q2] [30h] [3 Credits] 🌐 > English-friendly	X	X
⌘ LBARC2165	Building pathology and expertise	Olivier Laloux	FR [q2] [30h] [3 Credits] 🌐	X	X
⌘ LBARC2185	Applied economics	Nathalie Van Droogenbroeck	FR [q2] [30h] [3 Credits] 🌐	X	X
⌘ LBARC2195	Tutoring		FR [q2] [] [3 Credits] 🌐	X	X
⌘ LTARC2196	In situ : Lemps	Eric Van Overstraeten	FR [q3] [30h] [3 Credits] 🌐	X	X
⌘ LLOCI2004	International Workshop		EN [] [] [3 Credits] 🌐 > French-friendly	X	X
⌘ LTARC2152	Introduction au système d'information géographique	Georges Mabilie	FR [q2] [30h] [3 Credits] 🌐	X	X
⌘ LBARC2146	Space, light and color	Jean-Luc Capron	FR [q2] [30h] [3 Credits] 🌐 > English-friendly	X	X
⌘ LLOCI2006	Parametric design	André Stephan	EN [q2] [30h] [3 Credits] 🌐 > French-friendly	X	X
⌘ LBARC2144	The 20th century built heritage and the preservation project	Giulia Marino	FR [q2] [30h] [3 Credits] 🌐 > English-friendly	X	X

PROFESSIONAL FOCUS

- 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

Content:

○ LBARC2201	Architectural design studio 5 : mastery ■	Christine Fontaine Christophe Gillis Benoit Thielemans David Vandebroucke	FR [q1] [120h] [10 Credits] 🌐	X
-------------	---	--	-------------------------------	---

Research studio in architecture: thematic synthesis and articulation

The student chooses a research workshop among the four proposed themes:

⊗ LBARC2236	Ateliers de recherche: synthèse et articulation thématiques- Eco-architectures ■	Sandrine Meyer Benoit Thielemans Geoffrey Van Moeseke	FR [q2] [90h] [8 Credits] 🌐	X
⊗ LBARC2237	Atelier de recherche: synthèse et articulation thématiques- Héritages ■	Christophe Gillis Cécile Mairy David Vandebroucke	FR [q2] [90h] [8 Credits] 🌐	X
⊗ LBARC2238	Atelier de recherche: synthèse et articulation thématiques- Territorialités ■	Chiara Cavaliere Jean-Philippe De Visscher Basil Descheemaeker	FR [q2] [90h] [8 Credits] 🌐	X
⊗ LBARC2239	Research studio in architecture: thematic synthesis and articulation - Typologies ■	Cécile Chanvillard Christine Fontaine Gérald Ledent	FR [q2] [90h] [8 Credits] 🌐 > English-friendly	X

Methodology and research

○ LBARC2130	Introduction to research	Quentin Letesson	FR [q1] [30h] [3 Credits] 🌐 > English-friendly	X
○ LBARC2131	Research seminar : thematic methodes & tools in search of oportunities & possibles	Cécile Chanvillard Jean-Philippe De Visscher Christine Fontaine Giulia Marino Sandrine Meyer Petra Pferdmenges Benoit Thielemans Geoffrey Van Moeseke David Vandebroucke	FR [q2] [30h] [3 Credits] 🌐 > English-friendly	X

Research seminar : thematic development

The student chooses a research workshop among the four proposed themes:

⊗ LBARC2232	Research seminar : thematic development on Eco-architectures	Benoit Thielemans Geoffrey Van Moeseke	FR [q1] [15h] [3 Credits] 🌐	X
⊗ LBARC2233	Research seminar : thematic development on heritages	Christophe Gillis David Vandebroucke	FR [q1] [15h] [3 Credits] 🌐	X
⊗ LBARC2234	Research seminar : thematic development on territories	Jean-Philippe De Visscher Basil Descheemaeker	FR [q1] [15h] [3 Credits] 🌐	X
⊗ LBARC2235	Research seminar : thematic development on Typologies	Cécile Chanvillard Christine Fontaine	FR [q1] [15h] [3 Credits] 🌐 > English-friendly	X
○ LBARC2283	Masters internship	Guénola Vilet (coord.)	FR [q2] [] [3 Credits] 🌐	X

OPTIONS

- > [Option: architecture and digital](#) [en-prog-2022-arcb2m-larcx100o]
- > [Option: architecture and arts](#) [en-prog-2022-arcb2m-larcx200o]
- > [Option: architecture and theories](#) [en-prog-2022-arcb2m-larcx300o]
- > [Option: architecture and societies](#) [en-prog-2022-arcb2m-larcx400o]
- > [Option: architecture and heritage](#) [en-prog-2022-arcb2m-larcx500o]
- > [Option: architecture and ecology](#) [en-prog-2022-arcb2m-larcx600o]
- > [Option: architecture and technologies](#) [en-prog-2022-arcb2m-larcx700o]
- > [Option : architecture and territories](#) [en-prog-2022-arcb2m-larcx900o]
- > [Elective units : architecture in question](#) [en-prog-2022-arcb2m-larcx905o]

OPTION: ARCHITECTURE AND DIGITAL [16.0]

- 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

○ Option : architecture et numérique

				1	2
○ LBARC2080	Question d'architecture : architecture et numérique - Partie A : conceptions numériques : processus génératifs	Damien Claeys Maider Llaguno	FR [q1] [90h] [8 Credits] ⊕ 🌐	X	X
○ LTARC2080	Question d'architecture : architecture et numérique - Partie B : représentations numériques	Damien Claeys Maider Llaguno	FR [q1] [90h] [8 Credits] ⊖ 🌐	X	X

OPTION: ARCHITECTURE AND ARTS [16.0]

- 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

○ Content:

				1	2
○ LTARC2020	Architecture in question : architecture and arts - Module A : architecture and contemporary arts "XPRMTL or experimental architectures	Jean-frédéric de Hasque Anne Nottebaert Henry Pouillon Yeung Fun Yuen	FR [q1] [90h] [8 Credits] ⊕ 🌐 > English-friendly	X	X
○ LBARC2020	Architecture in question : architecture and arts (Part B)		FR [q1] [90h] [8 Credits] ⊖ 🌐 > English-friendly	X	X

OPTION: ARCHITECTURE AND THEORIES [16.0]

- 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

o Content:

○ LBARC2040	Architecture in question : architecture and Theories (Part A)	Cécile Chanvillard Christine Fontaine	FR [q1] [90h] [8 Credits] ⊕ 🌐 > English-friendly	X	X
○ LTARC2040	Architecture in question : architecture and theories (Part B)	Gauthier Coton Renaud Pleitinx Henry Pouillon Emmanuelle Weiss	FR [q1] [90h] [8 Credits] ⊙ 🌐 > English-friendly	X	X

OPTION: ARCHITECTURE AND SOCIETIES [16.0]

- 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

o Content:

○ LTARC2045	Architecture in question : societies, cities and territories (Part A)	Olivier Camus Audrey Courbebaisse Chloé Salembier Quentin Wilbaux	FR [q1] [90h] [8 Credits] ⊕ 🌐	X	X
○ LBARC2045	Architecture in question : societies, cities and territories (Part B)	Olivier Camus Audrey Courbebaisse Chloé Salembier (coord.) Pierre Vanderstraeten Quentin Wilbaux	FR [q1] [90h] [8 Credits] ⊙ 🌐	X	X

OPTION: ARCHITECTURE AND HERITAGE [16.0]

- 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

o Content:

○ LBARC2050	Architecture in question : architecture and heritage	Caroline Bolle Jean-François Rondeaux David Vandenbroucke	(FR) [q1] [90h] [8 Credits] ⊕ 🌐	X	X
○ LTARC2050	Architecture in question : heritage and memory (Part B)	Caroline Bolle David Vandenbroucke	(FR) [q1] [90h] [8 Credits] ⊙ 🌐	X	X

OPTION: ARCHITECTURE AND ECOLOGY [16.0]

- 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

o Content:

○ LBARC2060	Question d'architecture : architecture et écologie. Module A : Design constructif et performances	Jean-Luc Capron Christophe Gillis Jean-François Rondeaux Geoffrey Van Moeseke	(FR) [q1] [90h] [8 Credits] ⊕ 🌐	X	X
○ LBARC2061	Question d'architecture : architecture et écologie. Module B: matérialité et prototype	Christophe Gillis Jean-Francois Roger France Benoit Thielemans Sophie Trachte	(FR) [q1] [90h] [8 Credits] ⊙ 🌐	X	X

OPTION: ARCHITECTURE AND TECHNOLOGIES [16.0]

- 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

o Content:

○ LTARC2065	Architecture in question : architecture and technologies (part A)	Geert De Groote Pascaline Faux Olivier Gallez	(FR) [q1] [90h] [8 Credits] ⊕ 🌐 > English-friendly	X	X
○ LTARC2066	Architecture in question : architecture and technologies (part B)		(FR) [q1] [90h] [8 Credits] ⊙ 🌐 > English-friendly	X	X

OPTION : ARCHITECTURE AND TERRITORIES [16.0]

- 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

o Content:

○ LBARC2046	Architecture in question: architecture and territories - Part A: questioning the linear dynamics and networks of a territory	Daniela Perrotti Pierre Vanderstraeten Francois Vermer Quentin Wilboux	(FR) [q1] [90h] [8 Credits] ⊙ 🌐 > English-friendly	X	X
○ LTARC2046	Architecture in question: architecture and territories - Part B: questioning the polarities and places of centrality within a territory	Daniela Perrotti Francois Vermer Quentin Wilboux	(FR) [q1] [90h] [8 Credits] ⊕ 🌐 > English-friendly	X	X

ELECTIVE UNITS : ARCHITECTURE IN QUESTION [16.0]

- 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

o Content:

✘ LTARC2020	Architecture in question : architecture and arts - Module A : architecture and contemporary arts "XPRMTL or experimental architectures	Jean-frédéric de Hasque Anne Nottebaert Henry Pouillon Yeung Fun Yuen	FR [q1] [90h] [8 Credits] ⊕ 🌐 > English-friendly	X	X
✘ LBARC2020	Architecture in question : architecture and arts (Part B)		FR [q1] [90h] [8 Credits] ⊙ 🌐 > English-friendly	X	X
✘ LBARC2040	Architecture in question : architecture and Theories (Part A)	Cécile Chanvillard Christine Fontaine	FR [q1] [90h] [8 Credits] ⊕ 🌐 > English-friendly	X	X
✘ LTARC2040	Architecture in question : architecture and theories (Part B)	Gauthier Coton Renaud Pleitinx Henry Pouillon Emmanuelle Weiss	FR [q1] [90h] [8 Credits] ⊙ 🌐 > English-friendly	X	X
✘ LTARC2045	Architecture in question : societies, cities and territories (Part A)	Olivier Camus Audrey Courbebaïsse Chloé Salembier Quentin Wilbaux	FR [q1] [90h] [8 Credits] ⊕ 🌐	X	X
✘ LBARC2045	Architecture in question : societies, cities and territories (Part B)	Olivier Camus Audrey Courbebaïsse Chloé Salembier (coord.) Pierre Vanderstraeten Quentin Wilbaux	FR [q1] [90h] [8 Credits] ⊙ 🌐	X	X
✘ LBARC2050	Architecture in question : architecture and heritage	Caroline Bolle Jean-François Rondeaux David Vandenbroucke	FR [q1] [90h] [8 Credits] ⊕ 🌐	X	X
✘ LTARC2050	Architecture in question : heritage and memory (Part B)	Caroline Bolle David Vandenbroucke	FR [q1] [90h] [8 Credits] ⊙ 🌐	X	X
✘ LBARC2060	Question d'architecture : architecture et écologie. Module A : Design constructif et performances	Jean-Luc Capron Christophe Gillis Jean-François Rondeaux Geoffrey Van Moeseke	FR [q1] [90h] [8 Credits] ⊕ 🌐	X	X
✘ LBARC2061	Question d'architecture : architecture et écologie. Module B: matérialité et prototype	Christophe Gillis Jean-Francois Roger France Benoit Thielemans Sophie Trachte	FR [q1] [90h] [8 Credits] ⊙ 🌐	X	X
✘ LTARC2065	Architecture in question : architecture and technologies (part A)	Geert De Groot Pascaline Faux Olivier Gallez	FR [q1] [90h] [8 Credits] ⊕ 🌐 > English-friendly	X	X
✘ LTARC2066	Architecture in question : architecture and technologies (part B)		FR [q1] [90h] [8 Credits] ⊙ 🌐 > English-friendly	X	X
✘ LBARC2080	Question d'architecture : architecture et numérique - Partie A : conceptions numériques : processus génératifs	Damien Claeys Maidier Llaguno	FR [q1] [90h] [8 Credits] ⊕ 🌐	X	X
✘ LTARC2080	Question d'architecture : architecture et numérique - Partie B : représentations numériques	Damien Claeys Maidier Llaguno	FR [q1] [90h] [8 Credits] ⊙ 🌐	X	X
✘ LTARC2046	Architecture in question: architecture and territories - Part B: questioning the polarities and places of centrality within a territory	Daniela Perrotti Francois Vermer Quentin Wilbaux	FR [q1] [90h] [8 Credits] ⊕ 🌐 > English-friendly	X	X
✘ LBARC2046	Architecture in question: architecture and territories - Part A: questioning the linear dynamics and networks of a territory	Daniela Perrotti Pierre Vanderstraeten Francois Vermer Quentin Wilbaux	FR [q1] [90h] [8 Credits] ⊙ 🌐 > English-friendly	X	X

Alternatives

> [Master \[120\] in Architecture \(Bruxelles\) \[International Master - in English\]](https://uclouvain.be/en-prog-2022-arcb2m-programme) [<https://uclouvain.be/en-prog-2022-arcb2m-programme>]

MASTER [120] IN ARCHITECTURE (BRUXELLES) [INTERNATIONAL MASTER - IN ENGLISH]

- 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

o Required Units

o Architectural studio (20 credits)

● LBARI2101	Architectural design studio : local & international exploration	David Schmitz	EN [q1+q2] [240h] [20 Credits] 🌐	X	
-------------	---	---------------	----------------------------------	---	--

o Master Thesis (16 credits)

● LBARI2200	Master thesis in & on architecture	Pierre Vanderstraeten (coord.)	EN [] [] [16 Credits] 🌐		X
-------------	--	--------------------------------	-------------------------	--	---

o Expression, representation and communication (3 credits)

● LBARI2120	Means of expression and representation: reading, survey, narration	Christine Fontaine Joelle Houdé	EN [q2] [60h] [3 Credits] 🌐 > French-friendly	X	
-------------	--	------------------------------------	--	---	--

o Materials, structure and construction (11 credits)

● LICAR28011	Theory and research in the physical sciences: sustainable building - Theory and research in physical sciences: sustainable construction	Sergio Altomonte André Stephan Geoffrey Van Moeseke	FR [q1] [40h] [4 Credits] 🌐 > English-friendly	X	
● LBARI2161	Composing with structures	Luca Sgambi	EN [q2] [30h+15h] [4 Credits] 🌐 > French-friendly	X	
● LBARI2162	Workshop in situ	Christine Fontaine Thomas Montulet Sebastian Niemann	EN [q2] [10h+30h] [3 Credits] 🌐 > French-friendly	X	

o Context and culture (12 credits)



✘ LBARI2140	Facing contemporary challenges with a historical understanding of the past architectural production	Cécile Chanvillard Christine Fontaine Thomas Montulet	EN [q1] [20h+15h] [3 Credits] ⊕ 🌐 > French-friendly	X	X
✘ LBARI2241	Facing contemporary challenges with a critical perspective	Christine Fontaine	EN [q1] [20h+15h] [3 Credits] ⊙ 🌐 > French-friendly	X	X
● LBARI2240	Utopias and realities of dwelling	Gérald Ledent	EN [q1] [30h] [3 Credits] 🌐 > French-friendly		X
● LURBA2940I	Urban morphology and landscape analysis - Urban morphology and landscape reading	Chiara Cavalieri	FR [q1] [30h] [3 Credits] 🌐 > English-friendly	X	

o Professional practice (6 credits)












● LBARI2281	Lessons from practice : Internship in professional practice	Christine Fontaine (coord.)	EN [q2] [] [3 Credits] 🌐		X
-------------	---	-----------------------------	--------------------------	--	---

Elective course- Professional practice (3 credits)

The student chooses one of the two law units:

⊗ LBARC2280	Law and professional responsibilities	Joel Van Ypersele De Strihou	FR [q1] [30h] [3 Credits]  > English-friendly	X	X
⊗ LBARC2186	Urban planning and environmental law	Joel Van Ypersele De Strihou	FR [q2] [30h] [3 Credits]  > English-friendly	X	X

Elective units (6 credits)

⊗ LBARI2001	Intensive program	Christine Fontaine (coord.)	EN [q2] [40h] [3 Credits]  > French-friendly	X	X
⊗ LBARI2002	International Workshop : South America	Christine Fontaine (coord.)	EN [q2] [40h] [3 Credits]  > French-friendly	X	X
⊗ LBARI2003	International Workshop : China	Christine Fontaine (coord.)	EN [q2] [40h] [3 Credits]  > French-friendly	X	X
⊗ LBARI2004	International Workshop : Africa	Christine Fontaine (coord.)	EN [q2] [40h] [3 Credits]  > French-friendly	X	X
⊗ LBARI2005	International Workshop : Europe	Christine Fontaine (coord.)	EN [q2] [40h] [3 Credits]  > French-friendly	X	X
⊗ LLOCI2006	Parametric design	André Stephan	EN [q2] [30h] [3 Credits]  > French-friendly	X	X
⊗ LBARC2144	The 20th century built heritage and the preservation project	Giulia Marino	FR [q2] [30h] [3 Credits]  > English-friendly	X	X
⊗ LBARC2146	Space, light and color	Jean-Luc Capron	FR [q2] [30h] [3 Credits]  > English-friendly	X	X
⊗ LBARC2149	Perceptions and practices of the build environment	Jean-Luc Capron	FR [q2] [30h] [3 Credits]  > English-friendly	X	X
⊗ LTARC2167	studio 1/1 scale	Mathieu De Paepe Franck Miner	FR [q2] [45h] [3 Credits]  > English-friendly	X	X
⊗ LTARC2169	Modeling project data	Maidier Llaguno	FR [q2] [30h] [3 Credits]  > English-friendly	X	X

special focus

Professional Focus (30 credits)

Content:

⊗ LBARI2201	Architectural design studio : from readings to tentative designs	Christine Fontaine	FR [q1] [120h] [10 Credits] 	X	
-------------	--	--------------------	---	---	--

Research studio in architecture: thematic synthesis and articulation

The student chooses a research workshop among the two proposed themes:

⊗ LBARI2238	Research studio in architecture: thematic synthesis and articulation - Territorialities	Chiara Cavalieri Jean-Philippe De Visscher Basil Descheemaeker	EN [q2] [90h] [8 Credits]  > French-friendly		X
⊗ LBARC2239	Research studio in architecture: thematic synthesis and articulation - Typologies	Cécile Chanvillard Christine Fontaine Gérald Ledent	FR [q2] [90h] [8 Credits]  > English-friendly		X

Methodology and research

⊗ LBARC2130	Introduction to research	Quentin Letesson	FR [q1] [30h] [3 Credits]  > English-friendly	X	
⊗ LBARI2131	Research seminar : thematic methodes & tools in search of opportunities & possibles	Cécile Chanvillard Jean-Philippe De Visscher Christine Fontaine Petra Pferdmenges	EN [q2] [30h] [3 Credits]  > French-friendly	X	

Research seminar : thematic development

The student chooses a research seminar among the two proposed themes:

⊗ LBARI2234	Research seminar : thematic development on Territories	Jean-Philippe De Visscher Basil Descheemaeker	EN [q1] [15h] [3 Credits]  > French-friendly		X
-------------	--	---	--	--	---

				Year	
				1	2
⊗ LBARC2235	Research seminar : thematic development on Typologies	Cécile Chanvillard Christine Fontaine	EN [q1] [15h] [3 Credits] 		X
○ LBARI2283	Masters internship	Christine Fontaine (coord.)	EN [q2] [] [3 Credits] 		X

o Elective Units

The student chooses an option if he/she wishes to participate in the question on architecture A and B on the same topic. Please note that certain architectural questions are provided on the sites of Brussels or Tournai alternately.





⊗ Option: architecture and technologies (16 credits)

o Content:

○ LTARC2065	Architecture in question : architecture and technologies (part A)	Geert De Groote Pascaline Faux Olivier Gallez	EN [q1] [90h] [8 Credits]  	X	X
○ LTARC2066	Architecture in question : architecture and technologies (part B)		EN [q1] [90h] [8 Credits]  	X	X





⊗ Option : architecture and territories (16 credits)

o Content:

○ LBARC2046	Architecture in question: architecture and territories - Part A: questioning the linear dynamics and networks of a territory	Daniela Perrotti Pierre Vanderstraeten Francois Vermer Quentin Wilbaux	EN [q1] [90h] [8 Credits]  	X	X
○ LTARC2046	Architecture in question: architecture and territories - Part B: questioning the polarities and places of centrality within a territory	Daniela Perrotti Francois Vermer Quentin Wilbaux	EN [q1] [90h] [8 Credits]  	X	X





⊗ Option: architecture and theories (16 credits)

o Content:

○ LBARC2040	Architecture in question : architecture and Theories (Part A)	Cécile Chanvillard Christine Fontaine	EN [q1] [90h] [8 Credits]  	X	X
○ LTARC2040	Architecture in question : architecture and theories (Part B)	Gauthier Coton Renaud Pleitinx Henry Pouillon Emmanuelle Weiss	EN [q1] [90h] [8 Credits]  	X	X

⊗ Option: architecture and arts (16 credits)











o Content:

○ LTARC2020	Architecture in question : architecture and arts - Module A : architecture and contemporary arts "XPRMTL or experimental architectures	Jean-frédéric de Hasque Anne Nottebaert Henry Pouillon Yeung Fun Yuen	EN [q1] [90h] [8 Credits]  	X	X
○ LBARC2020	Architecture in question : architecture and arts (Part B)		EN [q1] [90h] [8 Credits]  	X	X

⊗ Elective units : architecture in question (16 credits)

o Content:

⊗ LTARC2065	Architecture in question : architecture and technologies (part A)	Geert De Groote Pascaline Faux Olivier Gallez	EN [q1] [90h] [8 Credits]  	X	X
⊗ LTARC2066	Architecture in question : architecture and technologies (part B)		EN [q1] [90h] [8 Credits]  	X	X
⊗ LTARC2046	Architecture in question: architecture and territories - Part B: questioning the polarities and places of centrality within a territory	Daniela Perrotti Francois Vermer Quentin Wilbaux	EN [q1] [90h] [8 Credits]  	X	X

				Year	
				1	2
⊗ LBARC2046	Architecture in question: architecture and territories - Part A: questioning the linear dynamics and networks of a territory	Daniela Perrotti Pierre Vanderstraeten Francois Vermer Quentin Wilbaux	EB [q1] [90h] [8 Credits]   > English-friendly	x	x
⊗ LTARC2040	Architecture in question : architecture and theories (Part B)	Gauthier Coton Renaud Pleitinx Henry Pouillon Emmanuelle Weiss	EB [q1] [90h] [8 Credits]   > English-friendly	x	x
⊗ LBARC2040	Architecture in question : architecture and Theories (Part A)	Cécile Chanvillard Christine Fontaine	EB [q1] [90h] [8 Credits]   > English-friendly	x	x
⊗ LTARC2020	Architecture in question : architecture and arts - Module A : architecture and contemporary arts *XPRMTL or experimental architectures	Jean-frédéric de Hasque Anne Nottebaert Henry Pouillon Yeung Fun Yuen	EB [q1] [90h] [8 Credits]   > English-friendly	x	x
⊗ LBARC2020	Architecture in question : architecture and arts (Part B)		EB [q1] [90h] [8 Credits]   > English-friendly	x	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](https://uclouvain.be/fr/decouvrir/rgee.html) (<https://uclouvain.be/fr/decouvrir/rgee.html>).

Prerequisites list

LBARC2201 "Projet d'architecture 5 : maîtrise" has prerequisite(s) LBARC2101

- LBARC2101 - Architectural design studio 4: further exploration

LBARC2236 "Ateliers de recherche: synthèse et articulation thématiques-Eco-architectures" has prerequisite(s) LBARC2101

- LBARC2101 - Architectural design studio 4: further exploration

LBARC2237 "Atelier de recherche: synthèse et articulation thématiques-Héritages" has prerequisite(s) LBARC2101

- LBARC2101 - Architectural design studio 4: further exploration

LBARC2238 "Atelier de recherche: synthèse et articulation thématiques-Territorialités" has prerequisite(s) LBARC2101

- LBARC2101 - Architectural design studio 4: further exploration

LBARC2239 "Atelier de recherche: synthèse et articulation thématiques-Typologies" has prerequisite(s) LBARC2101

- LBARC2101 - Architectural design studio 4: further exploration

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.

ARCB2M - Information

Access Requirements

Master course admission requirements are defined by the French Community of Belgium Decree of 7 November 2013 defining the higher education landscape and the academic organisation of courses.

General and specific admission requirements for this programme must be satisfied at the time of enrolling at the university.

Unless explicitly mentioned, the bachelor's, master's and licentiate degrees listed in this table or on this page are to be understood as those issued by an institution of the French, Flemish or German-speaking Community, or by the Royal Military Academy.

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](#)
- > [University Bachelors](#)
- > [Non university Bachelors](#)
- > [Holders of a 2nd cycle University degree](#)
- > [Holders of a non-University 2nd cycle degree](#)
- > [Access based on validation of professional experience](#)
- > [Access based on application](#)
- > [Admission and Enrolment Procedures for general registration](#)

Specific access requirements

In addition to fulfilling the admission requirements described below, the candidates must demonstrate sufficient command of the French language (level B1 of the Common European Framework of Reference).

University Bachelors

Diploma	Special Requirements	Access	Remarks
UCLouvain Bachelors			
		Direct access	
		Direct access	
		Access based on application	
Others Bachelors of the French speaking Community of Belgium			
		Direct access	
Bachelier en sciences de l'ingénieur, orientation ingénieur civil architecte [180.0]		Access based on application	Le cas échéant, la Commission d'admission propose à l'étudiant un programme adapté à sa situation
Bachelier en architecture [180.0] (non universitaire)		Direct access	Diplôme obtenu avant l'année académique 2010-2011
Bachelors of the Dutch speaking Community of Belgium			
Bachelor in ingenieurs Wetenschappen : architectuur [180.0]		Access based on application	Le cas échéant, la Commission d'admission propose à l'étudiant un programme adapté à sa situation
		Access based on application	
Foreign Bachelors			
		Access based on application	
Tous les bacheliers		Access based on application	

Non university Bachelors

> Find out more about [links](#) to the university

Holders of a 2nd cycle University degree

Diploma	Special Requirements	Access	Remarks
"Licenciés"			
Tous		Access based on application	L'étudiant introduit un dossier de demande d'admission auprès de la Faculté LOCI, comprenant son curriculum détaillé (liste des cours suivis et points obtenus année par année), et complété par un porte-folio de ses projets d'architecture. La Commission d'admission se prononce sur l'admission du candidat étudiant.
Masters			
		Access based on application	

Holders of a non-University 2nd cycle degree

Access based on validation of professional experience

> It is possible, under certain conditions, to use one's personal and professional experience to enter a university course without having the required qualifications. However, validation of prior experience does not automatically apply to all courses. Find out more about [Validation of priori experience](#).

Accès selon la procédure de validation des acquis de l'expérience

Consultez le site www.uclouvain.be/vae

Access based on application

Access based on application : access may be granted either directly or on the condition of completing additional courses of a maximum of 60 ECTS credits, or refused.

Admission and Enrolment Procedures for general registration

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.

Possible trainings at the end of the programme

- Master's in Urban and Regional Planning (60 credits) (URBA2MC)
- PhD in the craft of building and urbanism (180 credits)

