

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*
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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*
-

ARCB2M Programme

Detailed programme by subject

CORE COURSES

- Mandatory
- ⊗ Optional
- △ Not offered in 2023-2024
- ⊖ Not offered in 2023-2024 but offered the following year
- ⊕ Offered in 2023-2024 but not the following year
- △ ⊕ Not offered in 2023-2024 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

FR [d1] [t0p] [t Creqr]

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

Year

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○ Architectural studio (20 credits)

○ LBARC2101	Architectural design studio 4: further exploration	Emmanuel Beldars Abdelmajid Boulaïoune Anne Ledroit David Schmitz Pascale Van de Kerchove	FR [q1+q2] [240h] [20 Credits] 🌐	X	
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○ Master Thesis (16 credits)

○ LBARC2200	Master thesis		FR [q2] [] [16 Credits] 🌐		X
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○ Expression, representation and communication (3 credits)

○ LBARC2120	Means of expression and representation: narration	Éva Le Roi Vincent Piroux	FR [q2] [60h] [3 Credits] 🌐	X	
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○ Materials, structure and construction (11 credits) ^{FR} [q1] [40h] [4 Credits]

○ LBARC2160	Building mechanical systems and flows	Magali Bodart Geoffrey Van Moeseke	FR [q1] [40h] [4 Credits] 🌐	X	
○ LBARC2161	Structural Design 2	Luc Sottiaux	FR [q2] [40h] [4 Credits] 🌐	X	
○ LBARC2162	Construction materials and mechanical systems				redits]

o Professional practice (6 credits)

o LBARC2280	Law and professional responsibilities	Joel Van Ypersele De Strihou	FR [q1] [30h] [3 Credits]  > English-friendly		X
o 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]  		

PROFESSIONAL FOCUS

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 - Activity with requisites
 - 🌐 Open to incoming exchange students
 - 🌐 Not open to incoming exchange students
-
- [FR]

OPTION: ARCHITECTURE AND THEORIES [16.0]

- Activity with requisites
- Mandatory
- ⊗ Optional
- △ Not offered in 2023-2024
- ⊖ Not offered in 2023-2024 but offered the following year
- ⊕ Offered in 2023-2024 but not the following year
- △ ⊕ Not offered in 2023-2024 or the following year
- Activity with requisites
- ⊕ Open to incoming exchange students
- ⊖ Not open to incoming exchange students
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see the course description, objectives, credits, and teaching language (Renaud Pleitinx, 2023-09-10, 16.11499977 27.4manu1589 Weiss)

Year

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o **Content:**

○ LBARC2040	Architecture in question : architecture and Theories (Part A)	Cécile Chanvillard Christine Fontaine	EN [q1] [90h] [8 Credits] ⊗ ⊕ > English-friendly	x	x
○ LTARC2040	Architecture in question : architecture and theories (Part B)	Gauthier Coton Renaud Pleitinx			

OPTION: ARCHITECTURE AND HERITAGE [16.0]

- Mandatory
- ✘ Optional
- △ Not offered in 2023-2024
- ⊖ Not offered in 2023-2024 but offered the following year
- ⊕ Offered in 2023-2024 but not the following year
- △ ⊕ Not offered in 2023-2024 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

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

Year

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o Content:

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

OPTION: ARCHITECTURE AND ECOLOGY [16.0]

- Mandatory
- ✘ Optional
- △ Not offered in 2023-2024
- ⊖ Not offered in 2023-2024 but offered the following year
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- △ ⊕ Not offered in 2023-2024 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

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

Year

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o Content:

● LBARC2060	Question d'architecture : architecture et écologie. Module A : Design constructif et performances	Jean-Luc Capron Christophe Gillis Geoffrey Van Moeseke	(FR) [q1] [90h] [8 Credits] ⊖ 🌐	X	X
● LBARC2061	Question d'architecture : architecture et écologie. Module B: matérialité et prototype	Sophie Boone Christophe Gillis Benoit Thielemans Damien Trigaux	(FR) [q1] [90h] [8 Credits] ⊕ 🌐	X	X

OPTION: ARCHITECTURE AND TECHNOLOGIES [16.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2023-2024
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- △ ⊕ Not offered in 2023-2024 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫🌐 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

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

Year

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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)	Geert De Groote Pascaline Faux Olivier Gallez	[FR] [q1] [90h] [8 Credits] ⊕ 🌐 > English-friendly	x	x

OPTION : ARCHITECTURE AND TERRITORIES [16.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2023-2024
- ⊙ Not offered in 2023-2024 but offered the following year
- ⊕ Offered in 2023-2024 but not the following year
- △ ⊕ Not offered in 2023-2024 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫🌐 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

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

Year

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o Content:

○ LBARC2046	Architecture in question: architecture and territories - Part A: questioning the linear dynamics and networks of a territory	Elisabetta cinzia Rosa (compensates Daniela Perrotti) Francois Vermer Quentin Wilbaux	[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 Wilbaux	[FR] [q1] [90h] [8 Credits] ⊙ 🌐 > English-friendly	x	x











Alternatives

o 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

o 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

⌘ LBARC2060



⌘ Option: architecture and arts (16 credits)

○ Content:

○ LTARC2020



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 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
