UCLouvain

ARCB2M

2017 - 2018

Master [120] in Architecture (Bruxelles)

At Bruxelles Saint-Gilles - 120 credits - 2 years - Day schedule - In french
Dissertation/Graduation Project : **YES** - Internship : **YES**
Activities in English: **NO** - Activities in other languages : **NO**
Activities on other sites : **optional**
Main study domain : **Art de bâtir et urbanisme**
Organized by: **Faculté d'architecture, d'ingénierie architecturale, d'urbanisme (LOCI)**
Programme acronym: **arcb2m** - Francophone Certification Framework: 7

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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, know-how and critical thinking as well as the ability to think and act independently, in order to approach the architectural dimension in a comprehensive and integrated manner and with artistic sensitivity.

2. SPECIFIC OBJECTIVES OF THE MASTER'S DEGREE

Following on from the Bachelor's in Architecture undergraduate degree focused on the introduction, exploration and acquisition of the foundations and enduring architectural values, the Master's degree places greater importance on teamwork, individual study and in-depth study. It develops the ability to design and implement a comprehensive approach and an integrated vision when working on projects, acquired during the first phase of the course. It also reinforces the architectural project as a place of convergence and interdisciplinary application, a true centre of learning, and utilises teaching material that supports creativity and technical aptitude. This is achieved through strong links between the specialist theory classes and the architectural studios that leads to an integration of knowledge and the complementarity of teaching.

The in-depth learning of certain subjects or topics related to the design and realisation of living space, such as housing, heritage, the city, the territory, sustainable development, etc., introduce the student to contemporary architectural issues and multiple perspectives. The programmes proposed are gaining in size and complexity and welcome new and emerging issues that encourage the student to design a personal project based on a sense of responsibility, ethics and the development of independent thinking and action, the aim of which is the quest for a sustainable world centred on a human purpose that makes architecture a major art, giving meaning, dignity and quality of life.

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.

For a programme-type, and regardless of the focus, options/or elective courses selected, this master will carry a minimum of 120 credits divided over two annual units, corresponding to 60 credits each.

> Tronc commun du master en architecture à Bruxelles   *[en-prog-2017-arcb2m-larcb1t.html]*

> Finalité spécialisée   *[en-prog-2017-arcb2m-larcb2s]*

Options courses

> Option: art   *[en-prog-2017-arcb2m-larcx200o.html]*
> Option: histoire et théorie   *[en-prog-2017-arcb2m-larcx300o.html]*
> Option: société, villes, territoires   *[en-prog-2017-arcb2m-larcx400o.html]*
> Option: patrimoine   *[en-prog-2017-arcb2m-larcx500o.html]*
> Option: environmental design   *[en-prog-2017-arcb2m-larcx600o.html]*
> Option: structure   *[en-prog-2017-arcb2m-larcx700o.html]*
> Cours au choix : questions d'architecture   *[en-prog-2017-arcb2m-larcx800o.html]*

ARCB2M Detailled programme

Programme by subject

CORE COURSES

○	Mandatory	⌗	Optional
△	Courses not taught during 2017-2018	⊘	Periodic courses not taught during 2017-2018
⊕	Periodic courses taught during 2017-2018	🟨	Activity with requisites

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

						Year	
						1	2

○ *projet d'architecture*

○ LBARC2101	Architectural design studio 4: further exploration	Abdelmajid Boulaioun (coord.) David Schmitz Pascale Van de Kerchove Jean-Louis Vanden Eynde	240h	20 Credits	1 + 2q	x	
○ LBARC2201	Architectural design studio 5 : mastery 🟨	Christine Fontaine Christophe Gillis (coord.) Philippe Honhon Benoit Thielemans	120h	10 Credits	1q		x

○ *Expression, représentation et communication*

○ LBARC2120	Means of expression and representation: narration	Éva Le Roi Vincent Piroux	60h	3 Credits	2q	x	

○ *Méthodologie et recherche*

○ LBARC2130	Introduction to research	Xavier de Coster	30h	3 Credits	1q	x	
○ LBARC2230	Critical research seminars 🟨	Jean-Luc Capron Damien Claeys Xavier de Coster Christine Fontaine Benoit Thielemans Geoffrey Van Moeseke David Vandenbroucke Gregoire Wuillaume	30h	3 Credits	1q		x

○ *Contexte et culture*

○ LBARC2140	History of architecture : contemporary issues	Xavier de Coster	30h	3 Credits	2q	x	
○ LBARC2141	Theory of Architecture : contemporary issues	Cécile Chanvillard	30h	3 Credits	2q		x
○ LBARC2240	Utopias and realities of dwelling	Gérald Ledent	30h	3 Credits	1q	x	
○ LBARC2142	Architecture, town and territory: theories and methods of urbanism	Pierre Vanderstraeten	30h	3 Credits	1q	x	

						Year		
						1	**2**	

○ *Matériaux, structure et construction*

						1	2
O LBARC2160	Building mechanical systems and flows	Magali Bodart Jean-Francois Roger France	40h	4 Credits	1q	x	
O LBARC2161	Structural Design 2	Luc Sottiaux	40h	4 Credits	2q	x	
O LBARC2162	Construction materials and mechanical systems	Christophe Gillis	30h	3 Credits	1q	x	

○ *Pratique professionnelle*

						1	2
O LBARC2280	Law and professional responsibilities	Joel Van Ypersele De Strihou	30h	3 Credits	1q		x
O LBARC2281	Project management and professional practice	Christophe Gillis	30h	3 Credits	1q		x

○ *Cours au choix (6 credits)*

						1	2
✂ LBARC2125	Expression	Michèle De Myttenaere	45h	3 Credits	2q	x	
✂ LBARC2126	Industrial design studio	Charles Kaisin	45h	3 Credits	1q	x	
✂ LBARC2146	Space, light and color	Jean-Luc Capron	30h	3 Credits	2q	x	
✂ LBARC2147	History of gardens	Jean-Louis Vanden Eynde	30h	3 Credits	2q	x	
✂ LBARC2165	Building pathology and expertise	Olivier Laloux	30h	3 Credits	2q	x	
✂ LBARC2166	Sustainable architecture	Benoit Thielemans	30h	3 Credits	2q	x	
✂ LBARC2168	Structural Design : Assemblies, edges and singularities	Francis De Vos	30h	3 Credits	2q	x	
✂ LBARC2185	Applied economics	Nathalie Van Droogenbroeck	30h	3 Credits	2q	x	
✂ LBARC2186		Joel Van Ypersele De Strihou	30h	3 Credits	2q	x	
✂ LTARC2127	Theory of the image	Pascal Marchant	30h	3 Credits	2q	x	
✂ LTARC2145	Phenomenology	Marie-Clotilde Roose	30h	3 Credits	2q	x	
✂ LTARC2167	Scale 1/1	Jan Godyns	45h	3 Credits	2q	x	
✂ LTARC2169	Modeling project data	Jean Couwenbergh	30h	3 Credits	2q	x	
✂ LESA2001	Techniques et technologies/Equipement des espaces culturels *Dès 2017-18, les étudiant·e·s régulièrement inscrit·e·s aux Masters [120] en architecture de l¿UCL peuvent inscrire à leur programme ce cours de l¿Ecole Supérieure des Arts Saint-Luc Bruxelles -ESA*		60h	3 Credits		x	
O LTARC2196	In situ : Lemps		30h	3 Credits	2q	x	x
O LLOCI2003	Workshop: université numérique			3 Credits		x	x

FINALITÉ SPÉCIALISÉE

O Mandatory	✖ Optional	
△ Courses not taught during 2017-2018	⦸ Periodic courses not taught during 2017-2018	
⊕ Periodic courses taught during 2017-2018	🟨 Activity with requisites	

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

						Year	
						1	2
O LBARC2231	Research studios 🟨	Cécile Chanvillard Jean-Philippe De Visscher Christine Fontaine Christophe Gillis Thierry Kandjee Gérald Ledent Benoit Thielemans Geoffrey Van Moeseke David Vandenbroucke	90h	8 Credits	2q		x
O LBARC2200	Master thesis			19 Credits	2q		x
O LBARC2283	Masters internship			3 Credits	2q		x

OPTIONS

An in-depth study to be chosen from the 3 below.

6 credits are attached to each subject, plus a further 14 credits to be selected from the optional courses.

L'étudiant choisi une option s'il souhaite participer à la question d'architecture A et B dans le même thème. Attention certaines questions d'architecture sont dispensées sur les sites de Bruxelles ou Tournai (alternance)

> Option: art   *[en-prog-2017-arcb2m-larcx200o]*
> Option: histoire et théorie   *[en-prog-2017-arcb2m-larcx300o]*
> Option: société, villes, territoires   *[en-prog-2017-arcb2m-larcx400o]*
> Option: patrimoine   *[en-prog-2017-arcb2m-larcx500o]*
> Option: environmental design   *[en-prog-2017-arcb2m-larcx600o]*
> Option: structure   *[en-prog-2017-arcb2m-larcx700o]*
> Cours au choix : questions d'architecture   *[en-prog-2017-arcb2m-larcx800o]*

OPTION: ART

O Mandatory   ⌗ Optional
△ Courses not taught during 2017-2018   ⊘ Periodic courses not taught during 2017-2018
⊕ Periodic courses taught during 2017-2018   🟨 Activity with requisites

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

| | | | | | | Year | |
						1	2
O LTARC2020	Architecture in question : contemporary art and architecture (Part A)	Pascal Marchant Anne Nottebaert (coord.) Henry Pouillon	90h	8 Credits	1q ⊘	x	x
O LBARC2020	Architecture in question : contemporary art and architecture (Part B)	Xavier de Coster Anne Nottebaert (coord.) Gregoire Wuillaume	90h	8 Credits	1q ⊕	x	x

OPTION: HISTOIRE ET THÉORIE

O Mandatory   ⌗ Optional
△ Courses not taught during 2017-2018   ⊘ Periodic courses not taught during 2017-2018
⊕ Periodic courses taught during 2017-2018   🟨 Activity with requisites

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

| | | | | | | Year | |
						1	2
O LBARC2040	Architecture in question : History and Theory (Part A)	Cécile Chanvillard Christine Fontaine	90h	8 Credits	1q ⊘	x	x
O LTARC2040	Architecture in question : History and Theory (Part B)	Jerome De Alzua (coord.) Richard Klein Renaud Pleitinx	90h	8 Credits	1q ⊕	x	x

OPTION: SOCIÉTÉ, VILLES, TERRITOIRES

O Mandatory
△ Courses not taught during 2017-2018
⊕ Periodic courses taught during 2017-2018

⊗ Optional
⊘ Periodic courses not taught during 2017-2018
🟨 Activity with requisites

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

						Year 1	Year 2
O LTARC2045	Architecture in question : societies, cities and territories (Part A)	Chloé Salembier Quentin Wilbaux	90h	8 Credits	1q ⊘	x	x
O LBARC2045	Architecture in question : societies, cities and territories (Part B)	Julie Denef Chloé Salembier (coord.) Quentin Wilbaux	90h	8 Credits	1q ⊕	x	x

OPTION: PATRIMOINE

O Mandatory
△ Courses not taught during 2017-2018
⊕ Periodic courses taught during 2017-2018

⊗ Optional
⊘ Periodic courses not taught during 2017-2018
🟨 Activity with requisites

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

						Year 1	Year 2
O LBARC2050	Architecture in question : heritage and memory (Part A)	Caroline Bolle Jean-Louis Vanden Eynde David Vandenbroucke	90h	8 Credits	1q ⊘	x	x
O LTARC2050	Architecture in question : heritage and memory (Part B)	Caroline Bolle Bernard Gochet (compensates Caroline Bolle) Bernard Gochet Jean-Louis Vanden Eynde David Vandenbroucke	90h	8 Credits	1q ⊕	x	x

OPTION: ENVIRONMENTAL DESIGN [16.0]

O Mandatory
△ Courses not taught during 2017-2018
⊕ Periodic courses taught during 2017-2018

⊗ Optional
⊘ Periodic courses not taught during 2017-2018
🟨 Activity with requisites

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

						Year 1	Year 2
O LBARC2060	Architecture in question : environmental design (part A)	Magali Bodart Jean-Luc Capron Christophe Gillis	90h	8 Credits	1q ⊘	x	x
O LBARC2061	Architecture in question : environmental design (part B)	Christophe Gillis (coord.) Jean-Francois Roger France Benoit Thielemans Sophie Trachte	90h	8 Credits	1q ⊕	x	x

OPTION: STRUCTURE

○ Mandatory
△ Courses not taught during 2017-2018
⊕ Periodic courses taught during 2017-2018

⊗ Optional
⊘ Periodic courses not taught during 2017-2018
🟨 Activity with requisites

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

						Year	
						1	2
○ LTARC2065	Architecture in question : structure, mechanical systems, construction (part A)	Pascaline Faux Olivier Gallez Bernard Wittevrongel (coord.)	90h	8 Credits	1q ⊘	x	x
○ LTARC2066	Architecture in question : structure, mechanical systems, construction (part B)	Pascaline Faux Olivier Gallez Olivier Laloux Bernard Wittevrongel (coord.)	90h	8 Credits	1q ⊕	x	x

COURS AU CHOIX : QUESTIONS D'ARCHITECTURE [16.0]

○ Mandatory
△ Courses not taught during 2017-2018
⊕ Periodic courses taught during 2017-2018

⊗ Optional
⊘ Periodic courses not taught during 2017-2018
🟨 Activity with requisites

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

						Year	
						1	2
○ LTARC2020	Architecture in question : contemporary art and architecture (Part A)	Pascal Marchant Anne Nottebaert (coord.) Henry Pouillon	90h	8 Credits	1q ⊘	x	x
○ LBARC2020	Architecture in question : contemporary art and architecture (Part B)	Xavier de Coster Anne Nottebaert (coord.) Gregoire Wuillaume	90h	8 Credits	1q ⊕	x	x
○ LBARC2040	Architecture in question : History and Theory (Part A)	Cécile Chanvillard Christine Fontaine	90h	8 Credits	1q ⊘	x	x
○ LTARC2040	Architecture in question : History and Theory (Part B)	Jerome De Alzua (coord.) Richard Klein Renaud Pleitinx	90h	8 Credits	1q ⊕	x	x
○ LTARC2045	Architecture in question : societies, cities and territories (Part A)	Chloé Salembier Quentin Wilbaux	90h	8 Credits	1q ⊘	x	x
○ LBARC2045	Architecture in question : societies, cities and territories (Part B)	Julie Denef Chloé Salembier (coord.) Quentin Wilbaux	90h	8 Credits	1q ⊕	x	x
○ LBARC2050	Architecture in question : heritage and memory (Part A)	Caroline Bolle Jean-Louis Vanden Eynde David Vandenbroucke	90h	8 Credits	1q ⊘	x	x
○ LTARC2050	Architecture in question : heritage and memory (Part B)	Caroline Bolle Bernard Gochet (compensates Caroline Bolle) Bernard Gochet Jean-Louis Vanden Eynde David Vandenbroucke	90h	8 Credits	1q ⊕	x	x
○ LBARC2060	Architecture in question : environmental design (part A)	Magali Bodart Jean-Luc Capron Christophe Gillis	90h	8 Credits	1q ⊘	x	x

						Year	
						1	2
O LBARC2061	Architecture in question : environmental design (part B)	Christophe Gillis (coord.) Jean-Francois Roger France Benoit Thielemans Sophie Trachte	90h	8 Credits	1q ⊕	x	x
O LTARC2065	Architecture in question : structure, mechanical systems, construction (part A)	Pascaline Faux Olivier Gallez Bernard Wittevrongel (coord.)	90h	8 Credits	1q ⊘	x	x
O LTARC2066	Architecture in question : structure, mechanical systems, construction (part B)	Pascaline Faux Olivier Gallez Olivier Laloux Bernard Wittevrongel (coord.)	90h	8 Credits	1q ⊕	x	x

Course prerequisites

A document entitled (nb: not available for this programme arcb2m) specifies the activities (course units - CU) with one or more pre-requisite(s) within the study programme, that is the CU whose learning outcomes must have been certified and for which the credits must have been granted by the jury before the student is authorised to sign up for that activity.

These activities are identified in the study programme: their title is followed by a yellow square.

As the prerequisites are a requirement of enrolment, there are none within a year of a course.

The prerequisites are defined for the CUs for different years and therefore influence the order in which the student can enrol in the programme's CUs.

In addition, when the panel validates a student's individual programme at the beginning of the year, it ensures the consistency of the individual programme:

- It can change a prerequisite into a corequisite within a single year (to allow studies to be continued with an adequate annual load);
- It can require the student to combine enrolment in two separate CUs it considers necessary for educational purposes.

For more information, please consult regulation of studies and exams.

The programme's courses and learning outcomes

For each UCL training programme, a reference framework of learning outcomes specifies the competences expected of every graduate on completion of the programme. You can see the contribution of each teaching unit to the programme's reference framework of learning outcomes in the document "In which teaching units are the competences and learning outcomes in the programme's reference framework developed and mastered by the student?"

ARCB2M - Information

Admission

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

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SUMMARY

- > Specific Admission Requirements
- > University Bachelors
- > Non university Bachelors
- > Holders of a 2nd cycle University degree
- > Holders of a non-University 2nd cycle degree
- > Adults taking up their university training
- > Access on the file
- > Admission and Enrolment Procedures for general registration

Specific Admission 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	
		Based on application: accepted, conditional on further training, or refusal	
Others Bachelors of the French speaking Community of Belgium			
		Direct Access	
Bachelier en sciences de l'ingénieur, orientation ingénieur civil architecte [180.0]		Based on application: accepted, conditional on further training, or refusal	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]		Based on application: accepted, conditional on further training, or refusal	Le cas échéant, la Commission d'admission propose à l'étudiant un programme adapté à sa situation
		Based on application: accepted, conditional on further training, or refusal	
Foreign Bachelors			
		Based on application: accepted, conditional on further training, or refusal	
Tous les bacheliers		Based on application: accepted, conditional on further training, or refusal	

Non university Bachelors

Holders of a 2nd cycle University degree

Diploma	Special Requirements	Access	Remarks
"Licenciés"			
Tous		Based on application: accepted, conditional on further training, or refusal	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 complèté par un porte-folio de ses projets d'architecture. La Commission d'admission se prononce sur l'admission du candidat étudiant.
Masters			

Holders of a non-University 2nd cycle degree

Adults taking up their university training

> See the website Valorisation des acquis de l'expérience (https://uclouvain.be/fr/etudier/vae)

It is possible to gain admission to all masters courses via the validation of professional experience procedure.

Accès selon la procédure de validation des acquis de l'expérience
Consultez le site www.uclouvain.be/vae

Access on the file

Reminder : all Masters (apart from Advanced Masters) are also accessible on file.

Admission and Enrolment Procedures for general registration

Evaluation

The evaluation methods comply with the <u>regulations concerning studies and exams</u> (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)