

**At Tournai - 120 credits - 2 years - Day schedule - In French**Dissertation/Graduation Project : **YES** - Internship : **YES**Activities in English: **optional** - 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: **ARCT2M** - Francophone Certification Framework: 7**Table of contents**

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## ARCT2M - Introduction

### Introduction

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## ARCT2M - 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

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The programme comprises:

- core courses worth 90 credits
- a professional focus worth 30 credits

The core courses comprise:

- various mandatory subjects
- final dissertation worth 16 credits
- internships worth 2 credits
- optional courses worth 14 credits, selected from among the four themes offered:
  - "architecture and the humanities";
  - "architecture, territory and sustainable development";
  - "architecture, art and history";
  - "architecture, technique and materiality".

The programme is divided into four sections:

- The architecture project is organised according to a system of vertical studios, with special colours, allowing the student to direct their learning according to the teaching methods and subjects covered.
- Means of expression, including design and CAD courses.
- Core theory classes, directly related to the discipline of architecture, address the physical, cultural and professional dimension of architecture.
- The options, allowing the development of specific themes relating to architecture.

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.

## ARCT2M Programme

## Detailed programme by subject

## CORE COURSES [74.0]

- 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

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## ○ Projet d'architecture

○ LTARC2101	Architectural design studio 4: further exploration	Ludovic Blanckaert Christoffel Boghaert Gauthier Coton Jerome De Alzua Renaud De Villiers De La Noue Dimitri Fache Lyderic Veauvy Emmanuelle Weiss	FR [q1+q2] [240h] [20 Credits] 🌐 > English-friendly	X	
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## ○ Travail de fin d'études (16 credits)

○ LTARC2200	Master thesis in and on architecture		FR [q2] [] [16 Credits] 🌐 > English-friendly		X
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## ○ Expression, représentation et communication

○ LTARC2120	Means of expression and representation: narration	Jerome De Alzua Geert De Groote	FR [q2] [60h] [3 Credits] 🌐 > English-friendly	X	
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## ○ Contexte et culture

○ LTARC2140	History of architecture : contemporary issues	Henry Pouillon	FR [q2] [30h] [3 Credits] 🌐	X	
○ LTARC2240	Theory of Architecture : contemporary issues	Frank Vermandel	FR [q1] [30h] [3 Credits] 🌐		X
○ LTARC2141	Utopias and realities of dwelling	Chloé Salembier	FR [q2] [30h] [3 Credits] 🌐	X	
○ LTARC2142	Architecture, town and territory: theories and methods of urbanism	Benedicte Grosjean	FR [q2] [30h] [3 Credits] 🌐	X	

## ○ Matériaux, structure et construction

○ LTARC2160	Building mechanical systems and flows	Pascaline Faux	FR [q2] [40h] [4 Credits] 🌐	X	
○ LTARC2161	Structural Design 2	Luca Sgambi	FR [q1] [40h] [4 Credits] 🌐	X	
○ LTARC2162	Construction materials and mechanical systems	Olivier Laloux	FR [q1] [30h] [3 Credits] 🌐	X	

## ○ Pratique professionnelle

○ LTARC2280	Law and professional responsibilities	Louis Vansnick	FR [q1] [30h] [3 Credits] 🌐		X
○ LTARC2281	Project management and professional practice	Matthieu Meunier	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

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### o Content:

○ LTARC2231	Research studios in architecture ■	Olivier Bourez Olivier Camus Dimitri Fache Martin Outers Renaud Pleitinx Chloé Salembier Luca Sgambi Eric Van Overstraeten Quentin Wilbaux	FR [q1+q2] [180h] [18 Credits] 🌐 > English-friendly			X
○ LTARC2283	Masters internship		FR [q2] [] [3 Credits] 🌐			X

### o Méthodologie et recherche

○ LTARC2130	Introduction to research: transdisciplinary encounter facing transnational challenges	Henry Pouillon Chloé Salembier Quentin Wilbaux	FR [q1] [30h] [3 Credits] 🌐 > English-friendly			X
○ LTARC2131	Research seminar: thematic methods and tools in search of opportunities and possibilities	Olivier Laloux Henry Pouillon	FR [q2] [30h] [3 Credits] 🌐 > English-friendly			X
○ LTARC2230	Critical research seminar	Arnd Amand Gauthier Coton Renaud Pleitinx Marie-Clotilde Roose Chloé Salembier Frank Vermandel Quentin Wilbaux	FR [q1] [30h] [3 Credits] 🌐 > English-friendly			X

## OPTIONS

- > Option: architecture and digital [ en-prog-2022-arct2m-larcx100o ]
- > Option: architecture and arts [ en-prog-2022-arct2m-larcx200o ]
- > Option: architecture and theories [ en-prog-2022-arct2m-larcx300o ]
- > Option: architecture and societies [ en-prog-2022-arct2m-larcx400o ]
- > Option: architecture and heritage [ en-prog-2022-arct2m-larcx500o ]
- > Option: architecture and ecology [ en-prog-2022-arct2m-larcx600o ]
- > Option: architecture and technologies [ en-prog-2022-arct2m-larcx700o ]
- > Option : architecture and territories [ en-prog-2022-arct2m-larcx900o ]
- > Elective units : architecture in question [ en-prog-2022-arct2m-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

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**o Option : architecture et numérique**

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

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**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

**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

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## 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

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## 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

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## o Content:

○ LBARC2050	Architecture in question : architecture and heritage	Caroline Bolle Jean-François Rondeaux David Vandebroucke	FR [q1] [90h] [8 Credits] ⊕ 	X	X
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○ LTARC2050	Architecture in question : heritage and memory (Part B)	Caroline Bolle David Vandembroucke	FR [q1] [90h] [8 Credits] Ⓞ Ⓟ	x	x
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### 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

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#### 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-François 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

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#### o Content:

○ 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

**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

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**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	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

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

Year

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**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 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

Year

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⌘ 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-François Roger France Benoit Thielemans Sophie Trachte	FR [q1] [90h] [8 Credits] 🌐	X	X
⌘ 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
⌘ 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
⌘ 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 \(Tournai\) \[International Master - in English\]](https://uclouvain.be/en-prog-2022-arct2m-programme) [ <https://uclouvain.be/en-prog-2022-arct2m-programme> ]

## MASTER [120] IN ARCHITECTURE (TOURNAI) [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)

○ LTARC2101	Architectural design studio 4: further exploration	Ludovic Blanckaert Christoffel Boghaert Gauthier Coton Jerome De Alzua Renaud De Villiers De La Noue Dimitri Fache Lyderic Veauvy Emmanuelle Weiss	(FR) [q1+q2] [240h] [20 Credits] 🌐 > English-friendly	X	
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#### o Master Thesis (16 credits)

○ LTARC2200	Master thesis in and on architecture		(FR) [q2] [] [16 Credits] 🌐 > English-friendly	X	
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#### o Expression, representation and communication (3 credits)

○ LTARC2120	Means of expression and representation: narration	Jerome De Alzua Geert De Grootte	(FR) [q2] [60h] [3 Credits] 🌐 > English-friendly	X	
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#### 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	
○ LBARI2240	Utopias and realities of dwelling	Gérald Ledent	(EN) [q1] [30h] [3 Credits] 🌐 > French-friendly	X	
○ LBARI2241	Facing contemporary challenges with a critical perspective	Christine Fontaine	(EN) [q1] [20h+15h] [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 Materials, structure and construction (11 credits)

○ LICAR2801I	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	(FR) [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 Professional practice (6 credits)

o LTARI2281	Lessons from practice : Internship in professional practice		EN [q1] [30h] [3 Credits] 		X
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### o Elective units : professional practice (3 credits)

The student chooses one of the two law units:

o LTARC2280	Law and professional responsibilities	Louis Vansnick	EN [q1] [30h] [3 Credits] 	X	X
o LBARC2186	Urban planning and environmental law	Joel Van Ypersele De Strihou	EN [q2] [30h] [3 Credits] 	X	X

### o elective units (6 credits)

o LBARI2001	Intensive program	Christine Fontaine (coord.)	EN [q2] [40h] [3 Credits] 	X	X
o LBARI2002	International Workshop : South America	Christine Fontaine (coord.)	EN [q2] [40h] [3 Credits] 	X	X
o LBARI2003	International Workshop : China	Christine Fontaine (coord.)	EN [q2] [40h] [3 Credits] 	X	X
o LBARI2004	International Workshop : Africa	Christine Fontaine (coord.)	EN [q2] [40h] [3 Credits] 	X	X
o LBARI2005	International Workshop : Europe	Christine Fontaine (coord.)	EN [q2] [40h] [3 Credits] 	X	X
o LLOCI2006	Parametric design	André Stephan	EN [q2] [30h] [3 Credits] 	X	X
o LBARC2144	The 20th century built heritage and the preservation project	Giulia Marino	EN [q2] [30h] [3 Credits] 	X	X
o LBARC2146	Space, light and color	Jean-Luc Capron	EN [q2] [30h] [3 Credits] 	X	X
o LBARC2149	Perceptions and practices of the build environment	Jean-Luc Capron	EN [q2] [30h] [3 Credits] 	X	X
o LTARC2167	studio 1/1 scale	Mathieu De Paepe Franck Miner	EN [q2] [45h] [3 Credits] 	X	X
o LTARC2169	Modeling project data	Maider Llaguno	EN [q2] [30h] [3 Credits] 	X	X
o LBARC2280	Law and professional responsibilities	Joel Van Ypersele De Strihou	EN [q1] [30h] [3 Credits] 	X	X
o LBARC2186	Urban planning and environmental law	Joel Van Ypersele De Strihou	EN [q2] [30h] [3 Credits] 	X	X

### o Special focus

#### o Professional Focus (30 credits)

##### o Content:

o LTARC2231	Research studios in architecture	Olivier Bourez Olivier Camus Dimitri Fache Martin Outers Renaud Pleitinx Chloé Salembier Luca Sgambi Eric Van Overstraeten Quentin Wilbaux	EN [q1+q2] [180h] [18 Credits] 		X
o LTARI2283	Masters internship		EN [q2] [30h] [3 Credits] 		X

##### o Méthodologie et recherche

o LTARC2130	Introduction to research: transdisciplinary encounter facing transnational challenges	Henry Pouillon Chloé Salembier Quentin Wilbaux	EN [q1] [30h] [3 Credits] 	X	
o LTARC2131	Research seminar: thematic methods and tools in search of opportunities and possibles	Olivier Laloux Henry Pouillon	EN [q2] [30h] [3 Credits] 	X	

				Year	
				1	2
○ LTARC2230	Critical research seminar	Arnd Amand Gauthier Coton Renaud Pleitinx Marie-Clotilde Roose Chloé Salembier Frank Vermandel Quentin Wilbaux	ER [q1] [30h] [3 Credits]  > English-friendly		x

### ○ Elective units (16 credits)

#### ⊗ Option: architecture and arts (16 credits)

##### ○ 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	ER [q1] [90h] [8 Credits]  > English-friendly	x	x
○ LBARC2020	Architecture in question : architecture and arts (Part B)		ER [q1] [90h] [8 Credits]  > English-friendly	x	x

#### ⊗ Option: architecture and theories (16 credits)

##### ○ Content:

○ LBARC2040	Architecture in question : architecture and Theories (Part A)	Cécile Chanvillard Christine Fontaine	ER [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	ER [q1] [90h] [8 Credits]  > English-friendly	x	x

#### ⊗ Option: architecture and technologies (16 credits)

##### ○ Content:

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

#### ⊗ Option : architecture and territories (16 credits)

##### ○ 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	ER [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	ER [q1] [90h] [8 Credits]  > English-friendly	x	x

#### ⊗ Elective units : architecture in question (16 credits)

##### ○ Content:

⊗ LTARC2065	Architecture in question : architecture and technologies (part A)	Geert De Groote Pascaline Faux Olivier Gallez	ER [q1] [90h] [8 Credits]  > English-friendly	x	x
⊗ LTARC2066	Architecture in question : architecture and technologies (part B)		ER [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	ER [q1] [90h] [8 Credits]  > English-friendly	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](#).

### # Prerequisites list

**LTARC2231** "Research studios in architecture" has prerequisite(s) LTARC2101 AND LTARC2131

- LTARC2101 - [Architectural design studio 4: further exploration](#)
- LTARC2131 - [Research seminar: thematic methods and tools in search of opportunities and possibilities](#)

## 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.

## ARCT2M - 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
<b>UCLouvain Bachelors</b>			
<a href="#">Bachelor in Architecture (Bruxelles)</a>		Direct access	
<a href="#">Bachelor in Architecture (Tournai)</a>		Direct access	
<a href="#">Bachelor in Engineering : Architecture</a>		Access based on application	Pour l'étudiant qui n'aurait pas suivi le cursus régulier, la Commission d'admission peut proposer un programme adapté à sa situation
<b>Others Bachelors of the French speaking Community of Belgium</b>			
Bachelier en architecture [180.0]		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
<b>Bachelors of the Dutch speaking Community of Belgium</b>			
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
Bachelor in architectuur [180.0] (niet-universiteit)		Access based on application	
<b>Foreign Bachelors</b>			
Bachelier en architecture [180.0]		Access based on application	L'étudiant complète son dossier de demande d'admission

auprès de la Faculté LOCI, comprenant son curriculum détaillé (liste des cours suivis et points obtenus, année par année), par un porte-folio de ses projets d'architecture. Le cas échéant, la Commission d'admission propose un programme adapté à sa situation

## Non university Bachelors

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

## Holders of a 2nd cycle University degree

Diploma	Special Requirements	Access	Remarks
<b>"Licenciés"</b>			
Tous	Une exposition pendant 3 an au projet d'architecture, au dessin, à la géométrie, à la construction, à la résistance des matériaux est indispensable.	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.
<b>Masters</b>			

## Holders of a non-University 2nd cycle degree

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.

## 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](http://www.uclouvain.be/vae)

## Access based on application

Admission on the basis of a submitted dossier may be granted either directly or on the condition of completing additional coursework of a maximum of 60 ECTS credits, or refused.

## Admission and Enrolment Procedures for general registration

## Teaching method

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### General teaching method

Teaching is based on convictions, situating architecture within the social context, based on the particular conditions of individual and communal living. In this way, 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.

The approach adopted aims to be critical and non-doctrinal, ensuring a multiplicity of viewpoints leading to the transformation of a place, at every level, giving meaning from the perspective of accommodating different ways of living.

Architecture is also a profession that requires solid working expertise based on knowledge, critical thinking and know-how.

Teaching revolves both around the architectural project and theory classes and builds on the skills developed by the different partners. It aims to "enable" students to develop a critical attitude and to feed their intuition in order to address the architectural issue as broadly as possible.

Teaching also draws on certain unique elements relating to the location of the site in Tournai and its cross-border and inter-regional situation, connecting Wallonia, Flanders and France in a network, to form a cross-border metropolis.

### Specific teaching methods on the "Master's" programme

The Master's programme makes it possible to set-up and sustain teaching and research that is specific to the discipline of architecture, both pure and applied, benefiting from the university interdisciplinarity.

This teaching encompasses both the physical conditions of the discipline (material strength, structure, construction) and the cultural conditions (history, theory, urban planning, urban sociology), these components being summarised in the architectural project.

The programme incorporates the architecture project, lectures and seminars allowing a more in-depth study of the topics taught.

The architecture project is based around vertical studios, with special colours, allowing the student to direct their learning according to the teaching methods and subjects covered. Furthermore, each year, a visiting professor of international renown teaches a specific topic as part of a workshop.

## Evaluation

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***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.

In order to evaluate their performance, both individually and collectively, and with a view to adjusting the methods, if necessary, students will undergo assessments for certain teaching activities, in particular the architecture project, throughout the learning process.

They will in addition undergo an evaluation during the semester and another at the end of the semester for all teaching activities in order to ascertain whether they are meeting the course requirements.

## Possible trainings at the end of the programme

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- Master's in Urban and Regional Planning (60 credits) ( URBA2MC )
- PhD in Architecture and urban planning (180 credits)

