

ARCT2M - Teaching profile

Learning outcomes

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

AA1

AA1.1

AA1.2

AA1.3

AA1.4

AA1.5

AA1.6

AA2

AA2.1

AA2.2

AA2.3

AA2.4

AA2.5

AA2.6

AA3

AA3.1

AA3.2

AA3.3

AA3.4

AA4

AA4.1

AA4.2

AA4.3

AA4.4

AA5

AA5.1

AA5.2

AA5.3

AA5.4

AA6

AA6.1

AA6.2

AA6.3

AA6.4

Programme structure

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.

o **Matériaux, structure et construction**

o LTARC2160 Building mechanical systems and flows

PROFESSIONAL FOCUS

OPTION: ARCHITECTURE AND DIGITAL [16.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊙ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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 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	FR [q1] [90h] [8 Credits] ⊙ 🌐	x	x

OPTION: ARCHITECTURE AND ARTS [16.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊙ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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	FR [q1] [90h] [8 Credits] ⊕ 🌐 > English-friendly	x	
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				Year	
				1	2
<p>○ LBARC2040</p> <p>○ Content:</p>					
○ 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 2024-2025
- ∅ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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
<p>○ Content:</p>					

OPTION: ARCHITECTURE AND ECOLOGY [16.0]

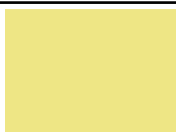
- Mandatory
- ✘ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🌐 Not open to 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	
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Alternatives

> [Master \[120\] in Architecture \(Tournai\) \[International Master - in English\]](https://uclouvain.be/en-prog-2024-arct2m-programme) [<https://uclouvain.be/en-prog-2024-arct2m-programme>]

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



- Mandatory
 - ✘ Optional
 - △ Not offered in 2024-2025
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o Professional practice (6 credits)















○ LTARI2281	Lessons from practice : Internship in professional practice		EN [q1] [30h] [3 Credits]  > French-friendly		X
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o Elective units : professional practice (3 credits)

The student chooses one of the two law units:

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

o elective units (6 credits)

⊗ LBARI2001	Intensive program		EN [q2] [40h] [3 Credits]  > French-friendly	X	X
⊗ LBARI2002	International Workshop : South America		EN [q2] [40h] [3 Credits]  > French-friendly	X	X
⊗ LBARI2003	International Workshop : China		EN [q2] [40h] [3 Credits]  > French-friendly	X	X
⊗ LBARI2004	International Workshop : Africa		EN [q2] [40h] [3 Credits]  > French-friendly	X	X
⊗ LBARI2005	International Workshop : Europe		EN [q2] [40h] [3 Credits]  > French-friendly	X	X
⊗ LLOCI2006	Parametric design		EN [q2] [30h] [3 Credits]  	X	X
⊗ LBARC2144	The 20th century built heritage and the preservation project	Giulia Marino	EN [q2] [30h] [3 Credits]  > English-friendly	X	X
⊗ LBARC2146	Space, light and color		EN [q2] [30h] [3 Credits]   > English-friendly	X	X
⊗ LTARC2167	studio 1/1 scale	Mathieu De Paepe Franck Miner	EN [q2] [45h] [3 Credits]  > English-friendly	X	X
⊗ LTARC2169	Modeling project data	Maider Llaguno	EN [q2] [30h] [3 Credits]  > English-friendly	X	X
⊗ LBARC2280	Law and professional responsibilities	Joel Van Ypersele De Strihou	EN [q1] [30h] [3 Credits]  > English-friendly	X	X
⊗ LBARC2186	Urban planning and environmental law	Joel Van Ypersele De Strihou	EN [q2] [30h] [3 Credits]  > English-friendly	X	X

o Special focus

o Professional Focus (30 credits)

o Content:

○ LTARC2231	Research studios in architecture	Olivier Bourez Olivier Camus Dimitri Fache Martin Outers Renaud Pleitinx Luca Sgambi Eric Van Overstraeten	EN [q1+q2] [180h] [18 Credits]  > English-friendly		X
○ LTARI2283	Masters internship		EN [q2] [30h] [3 Credits]  > French-friendly		X

o Méthodologie et recherche

○ LTARC2130	Introduction to research: transdisciplinary encounter facing transnational challenges	Henry Pouillon			
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o Elective units (16 credits)

⌘ 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	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 credits)

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 technologies (16 credits)

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	

			Year		
			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	ES [q1] [90h] [8 Credits] ⓘ ⓘ > English-friendly	x	x
⌘ LBARC2020	Architecture in question : architecture and arts (Part B)		ES [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
UCLouvain Bachelors			
Bachelor in Architecture (Bruxelles)		Direct access	
Bachelor in Architecture (Tournai)		Direct access	
Bachelor in Engineering : Architecture		Access based on application	For students who have not followed the regular curriculum, the Admissions Committee may propose a program adapted to their situation.
Others Bachelors of the French speaking Community of Belgium			
Bachelier en architecture [180.0]		Direct access	
Bachelier en sciences de l'ingénieur, orientation ingénieur civil architecte [180.0]		Access based on application	If necessary, the Admissions Committee will propose a program adapted to the student's situation.
Bachelier en architecture [180.0] (non universitaire)		Direct access	Degree obtained before the 2010-2011 academic year
Bachelors of the Dutch speaking Community of Belgium			
Bachelor in ingenieurs Wetenschappen : architectuur [180.0]		Access based on application	If necessary, the Admissions Committee will propose a program adapted to the student's situation.
Bachelor in architectuur [180.0] (niet-universiteit)		Access based on application	If necessary, the Admissions Committee will propose a program adapted to the student's situation.
Foreign Bachelors			

Bachelier en architecture [180.0]

[Access based on application](#)

The student completes their admission application to the LOCI Faculty by including a detailed curriculum (list of courses taken and grades obtained, year by year) and a portfolio of their architecture projects. If necessary, the Admissions Committee will propose a program adapted to the student's situation.

Non university Bachelors

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

Holders of a 2nd cycle University degree

Diploma	Special Requirements	Access	
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Faculty

Structure entity

Denomination

Sector

Acronym

Postal address

SST/LOCI

Faculty of Architecture, Architectural Engineering and Urban Planning (LOCI)

Sciences and Technology (SST)

LOCI

Place du Levant 1 - bte L5.05.05

1348 Louvain-la-Neuve

Tel: +32 (0) 10 47 28 15

<http://www.uclouvain.be/loci>

Website

Mandate(s)

- Dean : Eric Van Overstraeten
- Dean : Cécile Chanvillard
- Dean : Olivier Masson
- Dean : Renaud Pleitinx
- Administrative director : France Pécher

Commission(s) of programme

- Commission du bachelier en architecture (BARC)
- Commission du bachelier en ingénieur civil architecte (BIAR)
- Commission du master en architecture (MARC)
- Commission du master en ingénieur civil architecte (MIAR)
- Ecole d'urbanisme et d'aménagement du territoire (URBA)

