

**At Tournai - 180 credits - 3 years - Day schedule - In French**Dissertation/Graduation Project : **NO** - Internship : **YES**Activities in English: **NO** - 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: **ARCT1BA** - Francophone Certification Framework: 6**Table of contents**

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## ARCT1BA - Introduction

### Introduction

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## ARCT1BA - Teaching profile

### 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, expertise and theoretical knowledge, as well as the ability to think independently, in order to uphold the values underpinning the architectural project.

#### 2. SPECIFIC OBJECTIVES OF THE BACHELOR'S DEGREE

This cycle introduces students to the values underpinning the architectural discipline. It allows them to acquire the necessary knowledge and methods to develop thinking about architecture and architecture in practice through application and active research.

The course is based on the recognition of the complexity of architecture and on teaching that gradually explores this complexity in depth. Through diligent practical work on an architectural project, the course continually spans the range of issues encountered and increased interdisciplinarity.

This undergraduate course provides fundamental and interdisciplinary training in the different aspects of architecture through the acquisition of:

- design methods for an architectural project;
- techniques for representation and capacities for expression and communication;
- knowledge of exact and human sciences;
- technical knowledge.

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

##### Design a project

When faced with a 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 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 architectural 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 imagine, produce and explore various possible avenues to respond to a question*
- *To imagine drivers which can transform perception of what is real*
- *To take a deliberate step from an uncertain beginning by assembling pre-existing concepts and ideas to form a proposal*

##### 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 basic references*
- *Be able to use given references which, by analogy, can lead to other interpretations of the context*
- *Develop and make use of knowledge in the discipline*

##### Place the action

Observe, analyse and interpret the main components of the prevailing cultural situation. Show the potential of this situation through the impact of the architectural project.

- *Recognise, observe and describe the targeted environments and contexts*
- *Analyse the environments and contexts according to various given methods and starting from various identified 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 the knowledge of other subjects*
- *Make use of other subjects to ask questions about the design and implementation of an architectural project*

### 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 describe the main technical principles of building*
- *Observe and assess the main construction principles of a building*
- *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 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 by observing it and posing questions*
- *Identify the main elements of a hypothesis or a proposal to express and communicate them*
- *Test and use relevant means of communication in relation to 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 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*
- *Test and observe the framework of professional practice and 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 Bachelor's in Architecture programme totals 180 credits divided over three years of study corresponding to 60 credits each and comprises:

- A common core of mandatory subjects (150 credits)
- An additional module in architecture (30 credits) comprising 15 mandatory credits and 15 variable credits to choose from 3 sites in the faculty (in the 2nd and 3rd years of the Bachelor's degree)
- An internship

The subjects taught are organised into four specific areas:

- Theories and architectural project
- Expression, representation and communication
- Context, science and culture
- Materials, structures and construction

## ARCT1BA Programme

### Detailed programme by subject

- 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
	1 2 3

#### o Content:

#### o Architectural project (60 credits)

○ LTARC1101	Architectural design studio 1 : initiation	Arnd Amand Mathieu De Paepe Jasmine Kenniche Xavier Lelion Nicolas Lorent Matthieu Meunier Franck Miner Agnes Mory Barbara Noirhomme Anne Nottebaert	FR [q1+q2] [240h] [20 Credits] 🌐	x		
○ LTARC1201	Architectural design studio 2 exploration ■	Arnd Amand Christoffel Boghaert Geert De Groote Renaud De Villiers De La Noue Jasmine Kenniche Olivier Laloux Martin Outers Damien Surroca Eric Van Overstraeten Catherine Vanhamme Lyderic Veauvy	FR [q1+q2] [240h] [20 Credits] 🌐	x		
○ LTARC1301	Architectural design studio 3 : confirmation ■	Ludovic Blanckaert Olivier Bourez Olivier Camus Gauthier Coton Geert De Groote Damien Surroca Emmanuelle Weiss	FR [q1+q2] [240h] [20 Credits] 🌐			x

#### o Expression, representation and communication (22 credits)

○ LTARC1120	Spatial geometry: introduction to modes of representation	Mathieu De Paepe Jan Godyns	FR [q1] [20h+10h] [3 Credits] 🌐	x		
○ LTARC1121	Spatial geometry : exploration of descriptive drawing	Mathieu De Paepe Jan Godyns	FR [q2] [20h+10h] [3 Credits] 🌐	x		
○ LTARC1122	Means of expression and representation : initiation	Jan Godyns Matthieu Meunier Agnes Mory Barbara Noirhomme	FR [q1+q2] [80h] [4 Credits] 🌐	x		
○ LTARC1221	Means of expression and representation : exploration ■	Jan Godyns Agnes Mory Yeung Fun Yuen	FR [q1] [60h] [3 Credits] 🌐		x	
○ LTARC1224	Means of expression and representation :confirmation ■	Jan Godyns Matthieu Meunier Agnes Mory	FR [q2] [60h] [3 Credits] 🌐			x

				Year		
				1	2	3
○ LTARC1321	Means of expression and representation : development 🟡	Maider Llaguno Barbara Noirhomme	FR [q1] [60h] [3 Credits] 🌐			x
○ LTARC1322	Means of expression and representation : mastery	Corentin Haubruge Olivier Laloux Agnes Mory	FR [q2] [60h] [3 Credits] 🌐			x

### o Méthodologie et recherche (4 credits)

○ LTARC1105	Introduction to architecture	Geert De Groote Olivier Laloux Renaud Pleitinx Catherine Vanhamme	FR [q1] [30h+15h] [4 Credits] 🌐	x		
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### o Context and culture (39 credits)

○ LTARC1102	Architectural theory : introduction	Ludovic Blanckaert	FR [q1] [30h] [3 Credits] 🌐	x		
○ LTARC1203	Architectural theory : Theories 🟡	Renaud Pleitinx	FR [q2] [30h] [3 Credits] 🌐		x	
○ LTARC1140	History of Architecture : from the origins to the Middle Ages	Henry Pouillon	FR [q2] [30h] [3 Credits] 🌐	x		
○ LTARC1240	History of Architecture : Renaissance to the present	Henry Pouillon	FR [q1] [30h] [3 Credits] 🌐		x	
○ LTARC1345	History and Theory of Architecture : Special questions 🟡	Frank Vermandel	FR [q2] [30h] [3 Credits] 🌐			x
○ LTARC1243	Philosophy	Marie-Clotilde Roose	FR [q1] [30h] [3 Credits] 🌐		x	
○ LTARC1344	Socio-anthropology : inhabiting space	Chloé Salembier	FR [q2] [30h] [3 Credits] 🌐			x
○ LTECO1202	Societies, cultures, religions : Ethical questions	Bernard-Louis Ghislain	FR [q1] [15h] [2 Credits] 🌐		x	
○ LTARC1251	Landscape	Roselyne de Lestrangé (compensates Daniela Perrotti)	FR [q2] [30h] [3 Credits] 🌐			x
○ LTARC1250	Theories of sustainability	Georges Mabilie Matthieu Meunier	FR [q2] [30h] [3 Credits] 🌐		x	
○ LTARC1142	Architecture, town and territory: Environmental Science	Georges Mabilie	FR [q1] [40h] [4 Credits] 🌐	x		
○ LTARC1241	Architecture, town and territory : morphologies	Guillaume Vanneste	FR [q2] [30h] [3 Credits] 🌐			x
○ LTARC1340	Architecture, town and territory: modes of production	Benedicte Grosjean	FR [q1] [30h] [3 Credits] 🌐			x

### o Materials, structure and construction (38 credits)

○ LTARC1143	Mathematics - geometry	Martin Buysse	FR [q1] [22.5h+22.5h] [3 Credits] 🌐	x		
○ LTARC1144	Mathematics - calculus	Martin Buysse	FR [q2] [22.5h+22.5h] [3 Credits] 🌐	x		
○ LTARC1260	Building physics 🟡	Pascaline Faux	FR [q1] [20h+15h] [3 Credits] 🌐		x	
○ LTARC1360	Building mechanical systems and comfort 🟡	Pascaline Faux	FR [q2] [40h] [4 Credits] 🌐			x
○ LTARC1160	Structural Analysis 1 : fundamentals of statics and strength of materials	Pascaline Faux	FR [q2] [20h+30h] [4 Credits] 🌐	x		
○ LTARC1261	Structural analysis 2 🟡	Pascaline Faux	FR [q1] [20h+45h] [5 Credits] 🌐			x
○ LTARC1361	Structural Design 1 🟡	Luca Sgambi	FR [q1] [20h+30h] [4 Credits] 🌐			x
○ LTARC1164	Construction and materials : generalities	Geert De Groote	FR [q2] [30h+15h] [4 Credits] 🌐	x		
○ LTARC1262	Construction and materials : developments 🟡	Emilie Gobbo	FR [q2] [30h+15h] [4 Credits] 🌐			x
○ LTARC1362	Construction and materials : development 🟡	Emilie Gobbo	FR [q2] [30h+15h] [4 Credits] 🌐			x

### o Pratique professionnelle

○ LTARC1380	Internship		FR [q2] [] [2 Credits] 🌐			x
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### o Languages (6 credits)

○ LTARC1123	English I	Frédéric Declercq	FR [q2] [20h] [2 Credits] 🌐	x		
○ LTARC1228	English II 🟡	Frédéric Declercq	EN [q1] [20h] [2 Credits] 🌐			x
○ LTARC1323	English III 🟡	Frédéric Declercq	FR [q1] [20h] [2 Credits] 🌐			x

**o Cours au choix bloc annuel 3 (9 credits)**

L'étudiant choisira 9 crédits de cours au choix : 6 crédits au Q1 et 3 crédits au Q2.

**o Cours au choix bloc3 Q1 (6 credits)**

L'étudiant.e choisira 6 crédits de cours au choix au Q1.

LTARC1352	Critical regionalism	Henry Pouillon	FR [q1] [30h] [3 Credits]			X
LTARC1365	Simple constructions	Dimitri Fache	FR [q1] [30h] [3 Credits]			X
LTARC1366	Heritage: restoration and reuse of built heritage	Caroline Bolle	FR [q1] [30h] [3 Credits]			X

**o Cours aux choix bloc3 Q2 (6 credits)**

L'étudiant.e inscrit.e en bachelier à Tournai choisira 3 crédits de cours au choix au Q2. L'étudiant.e inscrit.e en bachelier à Bruxelles choisira 6 crédits de cours au choix au Q2. Les cours peuvent être choisis à Bruxelles ou à Tournai.

LBARC1303	In-depth project : heritage	Joelle Houdé Marie-Christine Raucent David Vandenbroucke	FR [q2] [45h] [3 Credits]			X
LBARC1325	Expression	Michèle De Myttenaere	FR [q2] [45h] [3 Credits]			X
LTARC1327	In situ : Lempis	Eric Van Overstraeten	FR [q2] [45h] [3 Credits]			X
LBARC1366	Sustainable architecture	Benoît Thielemans	FR [q2] [30h] [3 Credits]			X
LTARC1367	Architecture and materiality	Bernard Wittevrongel	FR [q2] [30h] [3 Credits]			X
LBARC1347	Current landscapes seminar	Pierre Cloquette (compensates Daniela Perrotti)	FR [q2] [30h] [3 Credits]			X
LBARC1346	Designing with light	Jean-Luc Capron	FR [q2] [30h] [3 Credits]			X
LTARC1325	History of modern and contemporary art	Henry Pouillon	FR [q2] [30h] [3 Credits]			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

- LTARC1201** "Projet d'architecture 2 : exploration" has prerequisite(s) LTARC1101
- LTARC1101 - [Architectural design studio 1 : initiation](#)
- LTARC1203** "Théorie de l'architecture : théories" has prerequisite(s) LTARC1102
- LTARC1102 - [Architectural theory : introduction](#)
- LTARC1221** "Moyens d'expression et représentation : exploration" has prerequisite(s) LTARC1122
- LTARC1122 - [Means of expression and representation : initiation](#)
- LTARC1224** "Moyens d'expression de représentation : confirmation" has prerequisite(s) LTARC1122
- LTARC1122 - [Means of expression and representation : initiation](#)
- LTARC1228** "English II" has prerequisite(s) LTARC1123
- LTARC1123 - [English I](#)
- LTARC1260** "Physique du bâtiment" has prerequisite(s) LTARC1144
- LTARC1144 - [Mathematics - calculus](#)
- LTARC1261** "Analyse des structures 2" has prerequisite(s) LTARC1143 ET LTARC1160
- LTARC1143 - [Mathematics - geometry](#)
  - LTARC1160 - [Structural Analysis 1 : fundamentals of statics and strength of materials](#)
- LTARC1262** "Construction et matériaux : développements" has prerequisite(s) LTARC1164
- LTARC1164 - [Construction and materials : generalities](#)
- LTARC1301** "Projet d'architecture 3 : confirmation" has prerequisite(s) LTARC1201
- LTARC1201 - [Architectural design studio 2 exploration](#)
- LTARC1321** "Moyens d'expression et de représentation : approfondissement" has prerequisite(s) LTARC1221 ET LTARC1224
- LTARC1221 - [Means of expression and representation : exploration](#)
  - LTARC1224 - [Means of expression and representation : confirmation](#)
- LTARC1323** "Anglais 3" has prerequisite(s) LTARC1228
- LTARC1228 - [English II](#)
- LTARC1345** "Histoire et théorie de l'architecture : questions spéciales" has prerequisite(s) LTARC1140 ET LTARC1240 ET LTARC1203
- LTARC1140 - [History of Architecture : from the origins to the Middle Ages](#)
  - LTARC1240 - [History of Architecture : Renaissance to the present](#)
  - LTARC1203 - [Architectural theory : Theories](#)
- LTARC1360** "Equipements du bâtiment et confort" has prerequisite(s) LTARC1260
- LTARC1260 - [Building physics](#)
- LTARC1361** "Conception des structures 1" has prerequisite(s) LTARC1261 ET LTARC1164
- LTARC1261 - [Structural analysis 2](#)
  - LTARC1164 - [Construction and materials : generalities](#)
- LTARC1362** "Construction et matériaux : approfondissements" has prerequisite(s) LTARC1262
- LTARC1262 - [Construction and materials : developments](#)



## 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.

## Detailed programme per annual block

### ARCT1BA - 1ST ANNUAL UNIT

- 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...)

#### o Content:

##### o Architectural project

● LTARC1101	<a href="#">Architectural design studio 1 : initiation</a>	Arnd Amand Mathieu De Paepe Jasmine Kenniche Xavier Lelion Nicolas Lorent Mathieu Meunier Franck Miner Agnes Mory Barbara Noirhomme Anne Nottebaert	[FR] [q1+q2] [240h] [20 Credits] 🌐
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##### o Expression, representation and communication

● LTARC1120	<a href="#">Spatial geometry: introduction to modes of representation</a>	Mathieu De Paepe Jan Godyns	[FR] [q1] [20h +10h] [3 Credits] 🌐
● LTARC1121	<a href="#">Spatial geometry : exploration of descriptive drawing</a>	Mathieu De Paepe Jan Godyns	[FR] [q2] [20h +10h] [3 Credits] 🌐
● LTARC1122	<a href="#">Means of expression and representation : initiation</a>	Jan Godyns Mathieu Meunier Agnes Mory Barbara Noirhomme	[FR] [q1+q2] [80h] [4 Credits] 🌐

##### o Méthodologie et recherche

● LTARC1105	<a href="#">Introduction to architecture</a>	Geert De Groote Olivier Laloux Renaud Pleitinx Catherine Vanhamme	[FR] [q1] [30h +15h] [4 Credits] 🌐
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##### o Context and culture

● LTARC1102	<a href="#">Architectural theory : introduction</a>	Ludovic Blanckaert	[FR] [q1] [30h] [3 Credits] 🌐
● LTARC1140	<a href="#">History of Architecture : from the origins to the Middle Ages</a>	Henry Pouillon	[FR] [q2] [30h] [3 Credits] 🌐

○ LTARC1142	Architecture, town and territory: Environmental Science	Georges Mabile	FR [q1] [40h] [4 Credits]
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### ○ Materials, structure and construction

○ LTARC1143	Mathematics - geometry	Martin Buysse	FR [q1] [22.5h +22.5h] [3 Credits]
○ LTARC1144	Mathematics - calculus	Martin Buysse	FR [q2] [22.5h +22.5h] [3 Credits]
○ LTARC1160	Structural Analysis 1 : fundamentals of statics and strength of materials	Pascaline Faux	FR [q2] [20h +30h] [4 Credits]
○ LTARC1164	Construction and materials : generalities	Geert De Groote	FR [q2] [30h +15h] [4 Credits]

### ○ Pratique professionnelle

#### ○ Languages

○ LTARC1123	English I	Frédéric Declercq	FR [q2] [20h] [2 Credits]
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**ARCT1BA - 2ND ANNUAL UNIT**

- 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...)

**o Content:****o Architectural project**

○ LTARC1201	Architectural design studio 2 exploration ■	Arnd Amand Christoffel Boghaert Geert De Grootte Renaud De Villiers De La Noue Jasmine Kenniche Olivier Laloux Martin Outers Damien Surroca Eric Van Overstraeten Catherine Vanhamme Lyderic Veauvy	(FR) [q1+q2] [240h] [20 Credits] 🌐
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**o Expression, representation and communication**

○ LTARC1221	Means of expression and representation : exploration ■	Jan Godyns Agnes Mory Yeung Fun Yuen	(FR) [q1] [60h] [3 Credits] 🌐
○ LTARC1224	Means of expression and representation : confirmation ■	Jan Godyns Matthieu Meunier Agnes Mory	(FR) [q2] [60h] [3 Credits] 🌐

**o Context and culture**

○ LTARC1203	Architectural theory : Theories ■	Renaud Pleitinx	(FR) [q2] [30h] [3 Credits] 🌐
○ LTARC1240	History of Architecture : Renaissance to the present	Henry Pouillon	(FR) [q1] [30h] [3 Credits] 🌐
○ LTARC1243	Philosophy	Marie-Clotilde Roose	(FR) [q1] [30h] [3 Credits] 🌐
○ LTECO1202	Societies, cultures, religions : Ethical questions	Bernard-Louis Ghislain	(FR) [q1] [15h] [2 Credits] 🌐
○ LTARC1251	Landscape	Roselyne de Lestrangle (compensates Daniela Perrotti)	(FR) [q2] [30h] [3 Credits] 🌐
○ LTARC1250	Theories of sustainability	Georges Mabile Matthieu Meunier	(FR) [q2] [30h] [3 Credits] 🌐
○ LTARC1241	Architecture, town and territory : morphologies	Guillaume Vanneste	(FR) [q2] [30h] [3 Credits] 🌐

**o Materials, structure and construction**

○ LTARC1260	Building physics ■	Pascaline Faux	(FR) [q1] [20h +15h] [3 Credits] 🌐
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○ LTARC1261	Structural analysis 2 🏗️	Pascaline Faux	EN [q1] [20h +45h] [5 Credits] 🌐
○ LTARC1262	Construction and materials : developments 🏗️	Emilie Gobbo	EN [q2] [30h +15h] [4 Credits] 🌐

## ○ Pratique professionnelle

### ○ Languages

○ LTARC1228	English II 🏗️	Frédéric Declercq	EN [q1] [20h] [2 Credits] 🌐
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**ARCT1BA - 3RD ANNUAL UNIT**

- 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...)

**o Content:****o Architectural project**

○ LTARC1301	Architectural design studio 3 : confirmation ■	Ludovic Blanckaert Olivier Bourez Olivier Camus Gauthier Coton Geert De Groote Damien Surroca Emmanuelle Weiss	(FR) [q1+q2] [240h] [20 Credits] 🌐
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**o Expression, representation and communication**

○ LTARC1321	Means of expression and representation : development ■	Maidar Llaguno Barbara Noirhomme	(FR) [q1] [60h] [3 Credits] 🌐
○ LTARC1322	Means of expression and representation : mastery	Corentin Haubruge Olivier Laloux Agnes Mory	(FR) [q2] [60h] [3 Credits] 🌐

**o Context and culture**

○ LTARC1345	History and Theory of Architecture : Special questions ■	Frank Vermandel	(FR) [q2] [30h] [3 Credits] 🌐
○ LTARC1344	Socio-anthropology : inhabiting space	Chloé Salembier	(FR) [q2] [30h] [3 Credits] 🌐
○ LTARC1340	Architecture, town and territory: modes of production	Benedicte Grosjean	(FR) [q1] [30h] [3 Credits] 🌐

**o Materials, structure and construction**

○ LTARC1360	Building mechanical systems and comfort ■	Pascaline Faux	(FR) [q2] [40h] [4 Credits] 🌐
○ LTARC1361	Structural Design 1 ■	Luca Sgambi	(FR) [q1] [20h +30h] [4 Credits] 🌐
○ LTARC1362	Construction and materials : development ■	Emilie Gobbo	(FR) [q2] [30h +15h] [4 Credits] 🌐

**o Pratique professionnelle**

○ LTARC1380	Intership		(FR) [q2] [] [2 Credits] 🌐
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**o Languages**

○ LTARC1323	English III ■	Frédéric Declercq	(FR) [q1] [20h] [2 Credits] 🌐
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### o Cours au choix bloc annuel 3

L'étudiant choisira 9 crédits de cours au choix : 6 crédits au Q1 et 3 crédits au Q2.

#### o Cours au choix bloc3 Q1

L'étudiant.e choisira 6 crédits de cours au choix au Q1.

LTARC1352	Critical regionalism	Henry Pouillon	FB [q1] [30h] [3 Credits]
LTARC1365	Simple constructions	Dimitri Fache	FB [q1] [30h] [3 Credits]
LTARC1366	Heritage: restoration and reuse of built heritage	Caroline Bolle	FB [q1] [30h] [3 Credits]

#### o Cours aux choix bloc3 Q2

L'étudiant.e inscrit.e en bachelier à Tournai choisira 3 crédits de cours au choix au Q2. L'étudiant.e inscrit.e en bachelier à Bruxelles choisira 6 crédits de cours au choix au Q2. Les cours peuvent être choisis à Bruxelles ou à Tournai.

LBARC1303	In-depth project : heritage	Joelle Houdé Marie-Christine Raucent David Vandembroucke	FB [q2] [45h] [3 Credits]
LBARC1325	Expression	Michèle De Myttenaere	FB [q2] [45h] [3 Credits]
LTARC1327	In situ : Lemps	Eric Van Overstraeten	FB [q2] [45h] [3 Credits]
LBARC1366	Sustainable architecture	Benoit Thielemans	FB [q2] [30h] [3 Credits]
LTARC1367	Architecture and materiality	Bernard Wittevrongel	FB [q2] [30h] [3 Credits]
LBARC1347	Current landscapes seminar	Pierre Cloquette (compensates Daniela Perrotti)	FB [q2] [30h] [3 Credits]
LBARC1346	Designing with light	Jean-Luc Capron	FB [q2] [30h] [3 Credits]
LTARC1325	History of modern and contemporary art	Henry Pouillon	FB [q2] [30h] [3 Credits]

## ARCT1BA - Information

### Access Requirements

Decree of 7 November 2013 defining the landscape of higher education and the academic organization of studies.

The admission requirements must be met prior to enrolment in the University.

**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](#)
- [Access based on validation of professional experience](#)
- [Special requirements to access some programmes](#)

### General access requirements

Except as otherwise provided by other specific legal provisions, admission to undergraduate courses leading to the award of a Bachelor's degree will be granted to students with one of the following qualifications :

1. A Certificate of Upper Secondary Education issued during or after the 1993-1994 academic year by an establishment offering full-time secondary education or an adult education centre in the French Community of Belgium and, as the case may be, approved if it was issued by an educational institution before 1 January 2008 or affixed with the seal of the French Community if it was issued after this date, or an equivalent certificate awarded by the Examination Board of the French Community during or after 1994;
2. A Certificate of Upper Secondary Education issued no later than the end of the 1992-1993 academic year, along with official documentation attesting to the student's ability to pursue higher education for students applying for a full-length undergraduate degree programme;
3. A diploma awarded by a higher education institution within the French Community that confers an academic degree issued under the above-mentioned Decree, or a diploma awarded by a university or institution dispensing full-time higher education in accordance with earlier legislation;
4. A higher education certificate or diploma awarded by an adult education centre;
5. A pass certificate for one of the [entrance examinations](#) organized by higher education institutions or by an examination board of the French Community; this document gives admission to studies in the sectors, fields or programmes indicated therein;
6. A diploma, certificate of studies or other qualification similar to those mentioned above, issued by the Flemish Community of Belgium, the German Community of Belgium or the Royal Military Academy;
7. A diploma, certificate of studies or other qualification obtained abroad and deemed equivalent to the first four mentioned above by virtue of a law, decree, European directive or international convention;

#### Note:

Requests for equivalence must be submitted to the Equivalence department ([Service des équivalences](#)) of the Ministry of Higher Education and Scientific Research of the French Community of Belgium in compliance with the official deadline.

The following two qualifications are automatically deemed equivalent to the Certificate of Upper Secondary Education (Certificat d'enseignement secondaire supérieur – CESS):

- European Baccalaureate issued by the Board of Governors of a European School,
- International Baccalaureate issued by the International Baccalaureate Office in Geneva.

8. Official documentation attesting to a student's ability to pursue higher education (diplôme d'aptitude à accéder à l'enseignement supérieur - DAES), issued by the Examination Board of the French Community.

### Specific access requirements

- Access to bachelor programmes for candidates of nationality outside the European Union who are not assimilated to Belgian nationals is subject to the following criteria:
  - not have obtained a secondary education diploma for more than 3 years maximum. Example: for an admission application for the academic year 2023-2024, you must have obtained your diploma during the academic years 2020-2021, 2021-2022 ou 2022-2023. In the French Community of Belgium, the academic year runs from September 14 to September 13
  - not already hold an undergraduate degree
- Candidates, whatever their nationality, with a secondary school diploma **from a country outside the European Union**, must have obtained an average of 13/20 minimum or, failing that, have obtained this average, have passed one year of study in Belgium (for example special Maths / sciences). A non-successful year will not be taken into consideration.

- For any secondary school diploma **from a European Union country**, the admission request must contain the equivalence of your diploma or, at the very least, proof of the filing of the equivalence request with the Wallonia-Brussels Federation (French Community of Belgium). For any information relating to obtaining an equivalence, please refer to [the following site](#).
- For any secondary school diploma **from a country outside the European Union**, the admission application must contain the [equivalence of your diploma](#) issued by the Wallonia-Brussels Federation (French Community of Belgium). If you have a restrictive equivalence for the programme of your choice, in addition of it, you **must** have either the [DAES](#) or a certificate of successful completion of the [examination giving access to 1<sup>st</sup> cycle studies](#) when you submit your application

## Access based on validation of professional experience

Admission to undergraduate studies on the basis of accreditation of knowledge and skills obtained through professional or personal experience (Accreditation of Prior Experience)

Subject to the general requirements laid down by the authorities of the higher education institution, with the aim of admission to the undergraduate programme, the examination boards accredit the knowledge and skills that students have obtained through their professional or personal experience.

This experience must correspond to at least five years of documented activity, with years spent in higher education being partially taken into account: 60 credits are deemed equivalent to one year of experience, with a maximum of two years being counted. At the end of an assessment procedure organized by the authorities of the higher education institution, the Examination Board will decide whether a student has sufficient skills and knowledge to successfully pursue undergraduate studies.

After this assessment, the Examination Board will determine the additional courses and possible exemptions constituting the supplementary requirements for the student's admission.

## Special requirements to access some programmes

- Admission to **undergraduate studies in engineering: civil engineering and architect**

Pass certificate for the [special entrance examination for undergraduate studies in engineering: civil engineering and architect](#).

Admission to these courses is always subject to students passing the special entrance examination. Contact the faculty office for the programme content and the examination arrangements.

- Admission to **undergraduate studies in veterinary medicine**

[Admission to undergraduate studies in veterinary medicine is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in physiotherapy and rehabilitation**

[Admission to undergraduate studies in physiotherapy and rehabilitation is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in psychology and education: speech and language therapy**

[Admission to undergraduate studies in psychology and education: speech and language therapy is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in medicine and dental science**

[Admission to undergraduate studies in medicine and dental science is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

Note: students wishing to enrol for a **Bachelor's degree in Medicine** or a **Bachelor's degree in dental science** must first sit an [aptitude test \(fr\)](#).



## Teaching method

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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.

Learning is not restricted to the mere accumulation of knowledge. Know-how and critical thinking are paramount, focused on an essential ethical dimension, with the aim of guiding students towards responsible and competent life skills.

To meet this requirement, discipline, creativity and technical know-how are, in their complementarity and indivisibility, the primary objectives of the training of our students.

In addition to fostering creativity, the ability to manipulate concepts and the ability to act independently and collaboratively, the course strengthens the acquisition of dual skill-sets:

- to build and develop, that is to say, to ground theory in reality;
- to adopt a forward-looking approach, which may lead to research.

Students benefit from an approach which encompasses all the aspects of the architectural discipline: artistic, intellectual, scientific and material.

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 simplicity 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.

## 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.

## Mobility and/or Internationalisation outlook

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Mobility is a major asset to the course. It mainly takes place during the Master's degree. However, Erasmus Belgica exchanges take place as part of the Bachelor's degree.

The Faculty offers more than 30 opportunities for exchanges in Europe. From North to South and from East to West in Europe exchange programmes allow students to stay one or two semesters in architecture faculties and to learn other approaches and practices in the discipline.

There are also a number of exchange programmes with destinations in Canada, the USA or Latin America.

## Possible trainings at the end of the programme

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The Bachelor's in Architecture allows further study for the Master's in Architecture.



