

At Tournai - 180 credits - 3 years - Day schedule - In FrenchDissertation/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**

Introduction	2
Teaching profile	3
Learning outcomes	3
Programme structure	4
Programme	4
Detailed programme by subject	5
Course prerequisites	8
The programme's courses and learning outcomes	8
Detailed programme per annual block	9
ARCT1BA - 1st annual unit	9
ARCT1BA - 2nd annual unit	11
ARCT1BA - 3rd annual unit	13
Information	15
Access Requirements	15
Teaching method	17
Evaluation	17
Mobility and/or Internationalisation outlook	17
Possible trainings at the end of the programme	17

ARCT1BA - Introduction

Introduction

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 :

Concevoir un projet

Face à une question d'ordre architectural, discerner, analyser et intégrer certains éléments constitutifs d'une réalité en devenir. De là, produire des hypothèses à partir desquelles le choix d'une mise en forme cohérente redéfinit les lieux.

- Articuler et développer, avec logique, les milieux naturels et artificiels (paysage, urbain, édifice) dans un cadre de paramètres fondamentaux.
- Énoncer et hiérarchiser des intentions en vue de poser des choix.
- Comprendre, expérimenter et synthétiser, par un projet d'architecture, l'agencement de lieux.
- Analyser, manipuler, penser, inventer par le dessin, la maquette, les pratiques artistiques.
- Adopter des démarches de type méthodique, créatif, métaphorique, perceptif, collaboratif...

Expérimenter une démarche artistique

Face à une situation donnée, imaginer et mettre en Œuvre une idée capable d'initier un processus de questionnement.

- Capter l' « air du temps » et identifier les moyens qui seront à même de le révéler.
- Découvrir et élargir les limites de son imaginaire.
- Imaginer, produire et explorer de multiples pistes de réponse à une question posée.
- Imaginer des leviers capables de transformer l'appréhension du réel.
- Poser un acte volontaire sur une indétermination de départ en rassemblant des concepts préexistants et des idées pour faire une proposition.

Se constituer une culture architecturale

Connaître et comprendre des références écrites, dessinées ou construites qui fondent la discipline.

- Connaître et analyser les références fondamentales de la culture disciplinaire.
- Convoquer des références données qui, par analogie, ouvrent à d'autres interprétations du contexte.
- Développer et activer ses connaissances dans la discipline.

Situer son action

Observer, analyser et interpréter les principales composantes qui constituent la situation culturelle dans laquelle s'inscrit la réflexion. Révéler les potentiels de cette situation par l'effet du projet d'architecture.

- Reconnaître, observer et décrire des lieux et des contextes ciblés,
- Analyser des lieux et des contextes selon plusieurs méthodes données et à partir de plusieurs points de vue identifiés,
- Énoncer des questions qui conditionnent le devenir du contexte étudié pour faire des hypothèses de travail.
- Expérimenter les possibilités de transformation d'un contexte.

Mobiliser d'autres disciplines

Activer sa curiosité et adopter une démarche transversale en vue de consolider les fondements de ses acquis.

- Aller à la rencontre d'autres approches, échanger et nourrir la réflexion architecturale.
- Interpréter les savoirs d'autres disciplines.
- Recourir à d'autres disciplines pour questionner la conception et la mise en Œuvre du projet d'architecture.

Concrétiser une dimension technique

Connaître et reformuler des savoirs techniques et scientifiques de l'édification en vue de les manipuler comme levier d'une conception architecturale performante et soutenable.

- Connaître et décrire les principes techniques fondamentaux de l'édification.
- Observer et évaluer les principes constructifs d'un édifice.
- Savoir appliquer les divers principes fondamentaux techniques dans une production architecturale.
- Formuler une compréhension intuitive des structures en vue de l'intégrer dans une production architecturale créative .

Exprimer une démarche architecturale

Utiliser les moyens conventionnels et artistiques pour explorer, déceler, concevoir, donner à voir une réalité, un concept, un projet.

- Connaître, comprendre et utiliser les codes de la représentation de l'espace, en deux et en trois dimensions.
- Restituer l'expérience d'une spatialité en l'observant et en la questionnant.
- Manipuler le dessin, les maquettes, ou tout autre mode de communication pour explorer et concevoir.
- Identifier les principaux éléments d'une hypothèse ou d'une proposition pour les exprimer et les communiquer.
- Expérimenter et utiliser les moyens de communication adéquats en fonction des objectifs visés.
- Exprimer clairement oralement, graphiquement et par écrit des idées.

Adopter une attitude professionnelle

Agir en tant qu'acteur ou actrice conscient-e de ses futures responsabilités, prêt-e à expérimenter l'interaction avec les intervenants de l'acte de bâtir.

- Organiser, planifier, développer et synthétiser un travail individuel.
- Ecouter et identifier les besoins et points de vue des différents interlocuteurs afin de dégager une synthèse en regard des objectifs visés.
- Agir en acteur indépendant capable de comprendre le cadre de sa mission, de ses responsabilités envers des tiers.
- Expérimenter et observer le cadre de la pratique professionnelle et de la culture architecturale en s'impliquant de manière autonome.

Poser des choix engagés

S'engager face à une situation, de manière responsable, en s'appuyant sur une réflexivité sociétale et culturelle.

- Activer et développer une éthique à travers ses prises de position architecturales.
- Prendre conscience de la signification politique de son activité, et de sa responsabilité vis-à-vis de la société.
- Mettre en relation différentes perspectives méthodologiques et épistémologiques.
- Comprendre le bien fondé d'une idée menant aux objectifs à atteindre par le projet ; poursuivre avec détermination, même par une intervention modeste, la réalisation de cette idée et l'aboutissement de ces objectifs.
- Imaginer des propositions ambitieuses capables de remettre en cause les choix de société.

Programme structure

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 2021-2022
- ⊖ Not offered in 2021-2022 but offered the following year
- ⊕ Offered in 2021-2022 but not the following year
- △ ⊕ Not offered in 2021-2022 or the following year
- Activity with requisites
- 🌐 Open to international students
- 🚫 Not open to international 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	Mathieu De Paepe Nicolas Lorent Matthieu Meunier Franck Miner Agnes Mory Barbara Noirhomme Anne Nottebaert Martin Outers Pascale Verbeke	FR [q1+q2] [240h] [20 Credits]	x		
○ LTARC1201	Architectural design studio 2 exploration ■	Pierre Accarain Ludovic Blanckaert Christoffel Boghaert Gauthier Coton Geert De Groote Renaud De Villiers De La Noue Dimitri Fache Olivier Laloux Pascal Marchant Damien Surroca Eric Van Overstraeten Catherine Vanhamme Lyderic Veauvy Emmanuelle Weiss Bernard Wittevrongel	FR [q1+q2] [240h] [20 Credits]		x	
○ LTARC1301	Architectural design studio 3 : confirmation ■	Ludovic Blanckaert Olivier Bourez Olivier Camus Gauthier Coton Geert De Groote Christian Gilot 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	Jan Godyns	FR [q1] [20h+10h] [3 Credits]	x		
○ LTARC1121	Spatial geometry : exploration of descriptive drawing	Jan Godyns	FR [q2] [20h+10h] [3 Credits]	x		
○ LTARC1122	Means of expression and representation : initiation	Jan Godyns Matthieu Meunier Agnes Mory Barbara Noirhomme Pascale Verbeke	FR [q1+q2] [80h] [4 Credits]	x		
○ LTARC1221	Means of expression and representation : exploration ■	Frédéric Delesalle Jan Godyns Agnes Mory	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	
○ LTARC1321	Means of expression and representation : development ■	Maidier Llaguno Barbara Noirhomme	FR [q1] [60h] [3 Credits]			x

				Year		
				1	2	3
○ LTARC1322	Means of expression and representation : mastery	Olivier Laloux Agnes Mory	FB [q2] [60h] [3 Credits]			x

○ Méthodologie et recherche (4 credits)

○ LTARC1105	Introduction to architecture	Olivier Laloux Renaud Pleitinx Catherine Vanhamme	FB [q1] [30h+15h] [4 Credits]	x		
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○ Context and culture (39 credits)

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

○ Materials, structure and construction (38 credits)

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

○ Pratique professionnelle

○ LTARC1380	Internship	Emmanuelle Weiss (coord.)	FB [q2] [] [2 Credits]			x
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○ Languages (6 credits)

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

○ 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.

○ Cours au choix bloc3 Q1 (6 credits)

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

				Year		
				1	2	3
○ LTARC1352	Critical regionalism	Henry Pouillon Bernard Wittevrongel	10 [q1] [30h] [3 Credits]	x	x	x
⊗ LTARC1365	Simple constructions	Dimitri Fache	10 [q1] [30h] [3 Credits]			x
⊗ LTARC1366	Heritage: restoration and reuse of built heritage	Caroline Bolle	10 [q1] [30h] [3 Credits]			x

○ Cours aux choix bloc3 Q2 (3 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 Raucant David Vandenbroucke	10 [q2] [45h] [3 Credits]			x
⊗ LBARC1325	Expression	Michèle De Myttenaere	10 [q2] [45h] [3 Credits]			x
⊗ LTARC1327	In situ : Lemps	Pierre Accarain Eric Van Overstraeten	10 [q2] [45h] [3 Credits]			x
⊗ LBARC1366	Sustainable architecture	Benoit Thielemans	10 [q2] [30h] [3 Credits]			x
⊗ LTARC1367	Architecture and materiality	Bernard Wittevrongel	10 [q2] [30h] [3 Credits]			x
⊗ LBARC1347	Current landscapes seminar	Denis Dujardin	10 [q2] [30h] [3 Credits]			x
⊗ LBARC1346	Designing with light	Jean-Luc Capron	10 [q2] [30h] [3 Credits]			x
⊗ LTARC1325	History of modern and contemporary art	Henry Pouillon	10 [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:

- transform a prerequisite into a corequisite within the same year (to enable the student to continue his or her studies with a sufficient annual course load)
- require the student to combine registration in two separate CUs which it considers necessary from a pedagogical point of view.

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
- LTARC1228** "English II" has prerequisite(s) LTARC1123
- LTARC1123 - English I
- LTARC1260** "Physique du bâtiment" has prerequisite(s) LTARC1143 ET LTARC1144
- LTARC1143 - Mathematics - geometry
 - 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 LTARC1262
- LTARC1261 - Structural analysis 2
 - LTARC1262 - Construction and materials : developments
- 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 2021-2022
- ⊖ Not offered in 2021-2022 but offered the following year
- ⊕ Offered in 2021-2022 but not the following year
- △ ⊕ Not offered in 2021-2022 or the following year
- Activity with requisites
- ⊕ Open to international students
- ⊖ Not open to international 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	Architectural design studio 1 : initiation	Mathieu De Paepe Nicolas Lorent Matthieu Meunier Franck Miner Agnes Mory Barbara Noirhomme Anne Nottebaert Martin Outers Pascale Verbeke	(FR) [q1+q2] [240h] [20 Credits]
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o Expression, representation and communication

○ LTARC1120	Spatial geometry: introduction to modes of representation	Jan Godyns	(FR) [q1] [20h+10h] [3 Credits]
○ LTARC1121	Spatial geometry : exploration of descriptive drawing	Jan Godyns	(FR) [q2] [20h+10h] [3 Credits]
○ LTARC1122	Means of expression and representation : initiation	Jan Godyns Matthieu Meunier Agnes Mory Barbara Noirhomme Pascale Verbeke	(FR) [q1+q2] [80h] [4 Credits]

o Méthodologie et recherche

○ LTARC1105	Introduction to architecture	Olivier Laloux Renaud Pleitinx Catherine Vanhamme	(FR) [q1] [30h+15h] [4 Credits]
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o Context and culture

○ LTARC1102	Architectural theory : introduction	Ludovic Blanckaert	(FR) [q1] [30h] [3 Credits]
○ LTARC1140	History of Architecture : from the origins to the Middle Ages	Henry Pouillon	(FR) [q2] [30h] [3 Credits]
○ LTARC1142	Architecture, town and territory: Environmental Science	Georges Mabile	(FR) [q1] [40h] [4 Credits]

o Materials, structure and construction

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

○ Pratique professionnelle

○ Languages

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

- Mandatory
- ⊗ Optional
- △ Not offered in 2021-2022
- ⊖ Not offered in 2021-2022 but offered the following year
- ⊕ Offered in 2021-2022 but not the following year
- △ ⊕ Not offered in 2021-2022 or the following year
- Activity with requisites
- 🌐 Open to international students
- 🚫 Not open to international 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 ■	Pierre Accarain Ludovic Blanckaert Christoffel Boghaert Gauthier Coton Geert De Groote Renaud De Villiers De La Noue Dimitri Fache Olivier Laloux Pascal Marchant Damien Surroca Eric Van Overstraeten Catherine Vanhamme Lyderic Veauvy Emmanuelle Weiss Bernard Wittevrongel	(FR) [q1+q2] [240h] [20 Credits]
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o Expression, representation and communication

○ LTARC1221	Means of expression and representation : exploration ■	Frédéric Delesalle Jan Godyns Agnes Mory	(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	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	Christian Gilot	(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	FR [q1] [20h+45h] [5 Credits]
○ LTARC1262	Construction and materials : developments 🟡	Bernard Wittevrongel	FR [q2] [30h+15h] [4 Credits]

○ Pratique professionnelle

○ Languages

○ LTARC1228	English II 🟡	Frédéric Declercq	FR [q1] [20h] [2 Credits]
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ARCT1BA - 3RD ANNUAL UNIT

- Mandatory
- ⊗ Optional
- △ Not offered in 2021-2022
- ⊖ Not offered in 2021-2022 but offered the following year
- ⊕ Offered in 2021-2022 but not the following year
- △ ⊕ Not offered in 2021-2022 or the following year
- Activity with requisites
- 🌐 Open to international students
- 🚫 Not open to international 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 Christian Gilot Damien Surroca Emmanuelle Weiss	FB [q1+q2] [240h] [20 Credits]
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o Expression, representation and communication

○ LTARC1321	Means of expression and representation : development ■	Maidier Llaguno Barbara Noirhomme	FB [q1] [60h] [3 Credits]
○ LTARC1322	Means of expression and representation : mastery	Olivier Laloux Agnes Mory	FB [q2] [60h] [3 Credits]

o Context and culture

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

o Materials, structure and construction

○ LTARC1360	Building mechanical systems and comfort ■	Pascaline Faux	FB [q2] [40h] [4 Credits]
○ LTARC1361	Structural Design 1 ■	Luca Sgambi	FB [q2] [20h+30h] [4 Credits]
○ LTARC1362	Construction and materials : development ■	Bernard Wittevrongel	FB [q1] [30h+15h] [4 Credits]

o Pratique professionnelle

○ LTARC1380	Intership	Emmanuelle Weiss (coord.)	FB [q2] [] [2 Credits]
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o Languages

○ LTARC1323	English III ■	Frédéric Declercq	FB [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.

⌘ 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 Raucet David Vandembroucke	FB [q2] [45h] [3 Credits]
⌘ LBARC1325	Expression	Michèle De Myttenaere	FB [q2] [45h] [3 Credits]
⌘ LTARC1327	In situ : Lemps	Pierre Accarain 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	Denis Dujardin	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

- To be eligible to apply to a bachelor's programme, holder of a non-belgian degree who do not have Belgian student status must also:
 - have earned a secondary school degree within the last three years;
 - not already hold a bachelor's degree; and,
- 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).
- 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](#).

- Not to have obtained a secondary education diploma for more than 3 years maximum. Example: for an admission application for the academic year 2021-2022, you must have obtained your diploma during the academic years 2018-2019, 2019-2020 or 2020-2021. In the French Community of Belgium, the academic year runs from September 14 to September 13. [L_information/2021/common-bachelor/](#)

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

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

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

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

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

