

**ARCT1BA**

2013 - 2014

Bachelor in Architecture (Tournai)

**At Tournai - 180 credits - 3 years - Day schedule - In french**Dissertation/Graduation Project : **NO** - Internship : **YES**Main study domain : **Art de bâtir et urbanisme**Organized by: **Faculté d'architecture, d'ingénierie architecturale, d'urbanisme (LOCI)**Programme code: **arct1ba** - European Qualifications Framework (EQF): 6**Table of contents**

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## ARCT1BA - Introduction

## ARCT1BA - Admission

Decree of March 31st 2004 defining higher education and favoring the integration of higher education and university refinancing in the European area)

The admission conditions must be fulfilled at the time of [enrolment at university](#).

[> General Condition](#)

[> Special Conditions](#)

[> Knowledge of the French language exam](#)

### General Conditions

Except as otherwise provided by other special legal provisions and with a view to obtaining the academic degree that recognises them, admission to undergraduate courses is granted to students with either:

- A certificate of Further Secondary Education issued from the academic year 1993–1994 by a fully fledged secondary education establishment or a school of Continuing Education in the French Community and approved by the Board created for that purpose, and holders of the same certificate issued from the 1994 calendar year by the education board of the French Community;
- or a certificate of Further Secondary Education issued not later than the end of the school year 1992–1993 accompanied, for admission to degree-length undergraduate studies, by a proficiency diploma giving access to higher education;
- or a diploma issued by a higher education establishment of the French Community recognising an academic degree, or a diploma issued by a university institution or an establishment dispensing full-time higher education under previous legislation;
- or a higher education certificate issued by an improvement courses establishment;
- a pass certificate for one of the [entrance examinations](#) co-ordinated by the higher education establishments or by a French Community education board and whose curricula are approved by the Government after consultation, according to the sector, with the Interuniversity Council of the French Community (Conseil interuniversitaire de la Communauté française – CIUF) or the General Council of the Hautes Ecoles (Conseil général des Hautes Ecoles – CGHE); this certificate gives admission to studies in relevant sectors or fields;
- or a diploma, certificate or secondary school certificate similar to those mentioned above issued by the Flemish Community (this certificate does not give exemption from the [French Language Proficiency](#) exam), by the German-speaking Community or the Royal Military School;
- of a diploma, certificate or secondary school certificate outside Belgium and recognised as equivalent to those mentioned above.

Requests for equivalence must be submitted to the [Service des équivalences](#) of the Ministry of Higher Education and Scientific Research of the French Community of Belgium before 15 July 2013.

Notes: the two following certificates are automatically recognised as equivalent to the Certificate of Upper Secondary Education (Certificat d'enseignement secondaire supérieur – CESS): the European baccalaureat issued by the High Council of European Schools; the international baccalaureate issued by the International Baccalaureate Office, Geneva.

However, neither certificate automatically gives exemption from the [French Language Proficiency](#) exam;

- or a proficiency diploma giving access to higher education (diplôme d'aptitude à accéder à l'enseignement supérieur – DAES) conferred by the French Community examination board.

### Exam of knowledge of the French language

Anyone not demonstrating sufficient [French language proficiency](#) will not be admitted to the first-year undergraduate examinations.

### Special Conditions

- 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 studies is always subject to passing the special entrance examination. The contents of the programme and the form of the examination may be obtained from the Secretariat of this faculty.

- 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).

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In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail

## ARCT1BA - Information

### Learning outcomes

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#### 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.

### 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 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.

## ARCT1BA - Contacts

## ARCT1BA - Detailed programme

### 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

### Programme by subject

Year

1	2	3
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#### o Major (150 credits)

##### o Architectural project (67 credits)

o LTARC1101	Project of architecture I	Olivier Camus, Dimitri Fache, Bernard Gochet, Franck Miner, Agnes Mory, Damien Surroca, Pascale Verbeke	240h	23 Credits	1+2q	x		
o LTARC1201	Architecture project	Christoffel Boghaert, Mathieu De Paepe, Renaud De Villiers De La Noue, Pascal Marchant, Lyderic Veauvy, Emmanuelle Weiss	240h	23 Credits	1+2q		x	
o LTARC1301	Architecture project	N.	240h	21 Credits	1+2q △			x

##### o Expression, representation and communication (16 credits)

o LTARC1120	Spatial geometry I	Anne Croegaert, Pascaline Faux	22.5h +7.5h	2 Credits	1q	x		
o LTARC1121	Spatial geometry II	Anne Croegaert, Pascaline Faux	22.5h +7.5h	2 Credits	2q	x		
o LTARC1220	Spatial geometry III	Beatrice Renard	30h	2 Credits	1q		x	
o LTARC1122	Means of expression and representation I	Jan Godyns, Agnes Mory, Barbara Noirhomme	90h	4 Credits	1+2q	x		
o LTARC1221	Means of expression and representation II + multimedia	Jean Couwenbergh, Eric Van Overstraeten	60h	3 Credits	1q		x	
o LTARC1320	Computer science and multimedia	N.	45h	3 Credits	1q △			x

##### o Context and culture (31 credits)

o LTARC1102	Theorie I	Eric Van Overstraeten, Quentin Wilbaux	45h	3 Credits	1q	x		
o LTARC1302	Theory II	N.	30h	2 Credits	1q △			x



						Year		
						1	2	3
○ LTARC1140	History of architecture I	Henry Pouillon	45h	3 Credits	1q	x		
○ LTARC1240	History of architecture II	Henry Pouillon	45h	3 Credits	1q		x	
○ LTARC1141	Philosophy and anthropology : an introduction	Marie-Clotilde Roose, Chloé Salembier	45h	3 Credits	2q	x		
○ LTARC1142	Study of the milieu	Georges Mabilie	45h	3 Credits	2q	x		
○ LTARC1241	Architecture, town and territory I	Christian Gilot	30h	2 Credits	1q		x	
○ LTARC1242	Sociology : inhabiting space	Chloé Salembier, Damien Vanneste	30h	2 Credits	2q		x	
○ LTARC1143	Mathematics : geometry	Martin Buysse	30h+15h	3 Credits	1q	x		
○ LTARC1144	Mathematics : calculus	Martin Buysse	30h+15h	3 Credits	2q	x		
○ LTARC1340	Architecture, town and territory II	N.	30h	2 Credits	1q Δ			x
○ LTECO1202	Questions de sciences religieuses : questions d'éthique	Bernard-Louis Ghislain	15h	2 Credits	1q		x	

### ○ Materials, structure and construction (28 credits)

○ LTARC1260	Physics of the building II	Pascaline Faux	22.5h +7.5h	2 Credits	2q		x	
○ LTARC1360	Physics of the building II	N.	30h	2 Credits	1q Δ			x
○ LTARC1160	Structural analysis I	Cédric Evrard, Pascaline Faux	22.5h +37.5h	4 Credits	2q	x		
○ LTARC1261	Structural analysis II	Cédric Evrard, Pascaline Faux	30h+45h	5 Credits	1q		x	
○ LTARC1361	Structural analysis III	N.	60h	4 Credits	2q Δ			x
○ LTARC1161	Construction and materials I	Georges Mabilie, Pierre Philippe	75h	5 Credits	1q	x		
○ LTARC1262	Construction and materials II	Georges Mabilie, Pierre Philippe	60h	4 Credits	2q		x	
○ LTARC1362	Construction and materials III	N.	30h	2 Credits	2q Δ			x

### ○ Internships (2 credits)

○ LTARC1380	Intership	N.		2 Credits	Δ			x
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### ○ Languages (6 credits)

○ LTARC1123	English I	Frédéric Declercq, Guy Vancraeynest	20h	2 Credits	2q	x		
○ LTARC1228	English II	Joseph Drese	20h	2 Credits	1q		x	
○ LTARC1323	English III	N.	20h	2 Credits	1q Δ			x

### ○ Additional module in Architecture (TRN) (30 credits)

The additional module in architecture comprises 15 mandatory credits on the Brussels campus and 15 credits to be chosen from amongst the options proposed by the faculty sites.

○	Additional module in Architecture - Tournai mandatory part	N.		15 Credits			x	x
○	Additional module in Architecture - Tournai optional part <i>The student undertakes the 2nd part of the in-depth study (15 credits) at one of the faculty sites.</i>	N.		15 Credits			x	x

## Programme year by year

### ARCT1BA - FIRST YEAR

○ Mandatory

△ Courses not taught during 2013-2014

⊕ Periodic courses taught during 2013-2014

⊗ Optional

⊖ Periodic courses not taught during 2013-2014

‡ Two years course

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

#### ○ Major

##### ○ Architectural project

○ LTARC1101	<a href="#">Project of architecture I</a>	Olivier Camus, Dimitri Fache, Bernard Gochet, Franck Miner, Agnes Mory, Damien Surroca, Pascale Verbeke	240h	23 Credits	1+2q
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##### ○ Expression, representation and communication

○ LTARC1120	<a href="#">Spatial geometry I</a>	Anne Croegaert, Pascale Faux	22.5h +7.5h	2 Credits	1q
○ LTARC1121	<a href="#">Spatial geometry II</a>	Anne Croegaert, Pascale Faux	22.5h +7.5h	2 Credits	2q
○ LTARC1122	<a href="#">Means of expression and representation I</a>	Jan Godyns, Agnes Mory, Barbara Noirhomme	90h	4 Credits	1+2q

##### ○ Context and culture

○ LTARC1102	<a href="#">Theorie I</a>	Eric Van Overstraeten, Quentin Wilbaux	45h	3 Credits	1q
○ LTARC1140	<a href="#">History of architecture I</a>	Henry Pouillon	45h	3 Credits	1q
○ LTARC1141	<a href="#">Philosophy and anthropology : an introduction</a>	Marie-Clotilde Roose, Chloé Salembier	45h	3 Credits	2q
○ LTARC1142	<a href="#">Study of the milieu</a>	Georges Mabilie	45h	3 Credits	2q
○ LTARC1143	<a href="#">Mathematics : geometry</a>	Martin Buysse	30h+15h	3 Credits	1q
○ LTARC1144	<a href="#">Mathematics : calculus</a>	Martin Buysse	30h+15h	3 Credits	2q

##### ○ Materials, structure and construction

○ LTARC1160	<a href="#">Structural analysis I</a>	Cédric Evrard, Pascale Faux	22.5h +37.5h	4 Credits	2q
○ LTARC1161	<a href="#">Construction and materials I</a>	Georges Mabilie, Pierre Philippe	75h	5 Credits	1q

##### ○ Languages

○ LTARC1123	<a href="#">English I</a>	Frédéric Declercq, Guy Vancraeynest	20h	2 Credits	2q
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**ARCT1BA - SECOND YEAR**

○ Mandatory

△ Courses not taught during 2013-2014

⊕ Periodic courses taught during 2013-2014

⊗ Optional

⊖ Periodic courses not taught during 2013-2014

‡ Two years course

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

**Major****Architectural project**

○ LTARC1201	<a href="#">Architecture project</a>	Christoffel Boghaert, Mathieu De Paepe, Renaud De Villiers De La Noue, Pascal Marchant, Lyderic Veauvy, Emmanuelle Weiss	240h	23 Credits	1+2q
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**Expression, representation and communication**

○ LTARC1220	<a href="#">Spatial geometry III</a>	Beatrice Renard	30h	2 Credits	1q
○ LTARC1221	<a href="#">Means of expression and representation II + multimedia</a>	Jean Couwenbergh, Eric Van Overstraeten	60h	3 Credits	1q

**Context and culture**

○ LTARC1240	<a href="#">History of architecture II</a>	Henry Pouillon	45h	3 Credits	1q
○ LTARC1241	<a href="#">Architecture, town and territory I</a>	Christian Gilot	30h	2 Credits	1q
○ LTARC1242	<a href="#">Sociology : inhabiting space</a>	Chloé Salembier, Damien Vanneste	30h	2 Credits	2q
○ LTECO1202	<a href="#">Questions de sciences religieuses : questions d'éthique</a>	Bernard-Louis Ghislain	15h	2 Credits	1q

**Materials, structure and construction**

○ LTARC1260	<a href="#">Physics of the building II</a>	Pascaline Faux	22.5h +7.5h	2 Credits	2q
○ LTARC1261	<a href="#">Structural analysis II</a>	Cédric Evrard, Pascaline Faux	30h+45h	5 Credits	1q
○ LTARC1262	<a href="#">Construction and materials II</a>	Georges Mabile, Pierre Philippe	60h	4 Credits	2q

**Languages**

○ LTARC1228	<a href="#">English II</a>	Joseph Drese	20h	2 Credits	1q
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**Additional module in Architecture (TRN)**

The additional module in architecture comprises 15 mandatory credits on the Brussels campus and 15 credits to be chosen from amongst the options proposed by the faculty sites.

○	<a href="#">Additional module in Architecture - Tournai mandatory part</a>	N.		15 Credits	
○	<a href="#">Additional module in Architecture - Tournai optional part</a> <i>The student undertakes the 2nd part of the in-depth study (15 credits) at one of the faculty sites.</i>	N.		15 Credits	

**ARCT1BA - THIRD YEAR**

○ Mandatory

△ Courses not taught during 2013-2014

⊕ Periodic courses taught during 2013-2014

⊗ Optional

⊖ Periodic courses not taught during 2013-2014

‡ Two years course

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

**○ Major****○ Architectural project**

○ LTARC1301	<a href="#">Architecture project</a>	N.	240h	21 Credits	1+2q △
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**○ Expression, representation and communication**

○ LTARC1320	<a href="#">Computer science and multimedia</a>	N.	45h	3 Credits	1q △
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**○ Context and culture**

○ LTARC1302	<a href="#">Theory II</a>	N.	30h	2 Credits	1q △
○ LTARC1340	<a href="#">Architecture, town and territory II</a>	N.	30h	2 Credits	1q △

**○ Materials, structure and construction**

○ LTARC1360	<a href="#">Physics of the building II</a>	N.	30h	2 Credits	1q △
○ LTARC1361	<a href="#">Structural analysis III</a>	N.	60h	4 Credits	2q △
○ LTARC1362	<a href="#">Construction and materials III</a>	N.	30h	2 Credits	2q △

**○ Internships**

○ LTARC1380	<a href="#">Internship</a>	N.		2 Credits	△
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**○ Languages**

○ LTARC1323	<a href="#">English III</a>	N.	20h	2 Credits	1q △
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**○ Additionnal module in Architecture (TRN)**

The additionnal module in architecture comprises 15 mandatory credits on the Brussels campus and 15 credits to be chosen from amongst the options proposed by the faculty sites.

○	<a href="#">Additionnal module in Architecture - Tournai mandatory part</a>	N.		15 Credits	
○	<a href="#">Additionnal module in Architecture - Tournai optional part</a> <i>The student undertakes the 2nd part of the in-depth study (15 credits) at one of the faculty sites.</i>	N.		15 Credits	



## List of available minors

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### **For students starting their Bachelor's degree (BAC1) in 2012–2013:**

The additional module in architecture offered to students and comprising a total of 30 credits is exclusively offered in the 2nd and 3rd year of the Bachelor's degree. It consists of both mandatory courses (15 credits), to be undertaken on the site, and a further 15 credits to be selected from among the alternatives proposed to students at the 3 LOCI Faculty sites.

The minor programme is presented with the detailed programme of the Bachelor's in Architecture.

[> Approfondissement en architecture Tournai](https://www.uclouvain.be/en-prog-2013-app-ltarc1205p)  [ <https://www.uclouvain.be/en-prog-2013-app-ltarc1205p> ]

