

**At Louvain-la-Neuve - 120 credits - 2 years - Day schedule - In French**

Dissertation/Graduation Project : **YES** - Internship : **NO**

Activities in English: **NO** - Activities in other languages : **NO**

Activities on other sites : **optional**

## ARCH2M - Introduction

### Introduction

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## ARCH2M - Teaching profile

### Learning outcomes

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## CORE COURSES [75.0]

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- Mandatory
  - ✘ Optional
  - △ Not offered in 2024-2025
  - ⊗ Not offered in 2024-2025 but offered the following year
  - ⊕ Offered in 2024-2025 but not the following year
  - △ ⊕
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**PROFESSIONAL FOCUS [30.0]**

- Mandatory
- ✘ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

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

Year

1 2

**o Content:**

○ LICAR2000	Master thesis		[FR] [q2] [] [30 Credits] 🌐	x
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**OPTIONS [15.0]**

- > [Elective units](#) [ en-prog-2024-arch2m-larch221o ]
- > [Option in buildings, urban planning and territory](#) [ en-prog-2024-arch2m-larch222o ]
- > [Option in construction](#) [ en-prog-2024-arch2m-larch224o ]

**ELECTIVE UNITS [15.0]**

- Mandatory
- ✘ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

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

Year

1 2

**o Content:**

**OPTION IN BUILDINGS, URBAN PLANNING AND TERRITORY [15.0]**

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**OPTION IN CONSTRUCTION [15.0]**

Eric Deleersnijder

L'objectif de cette option est de compléter la formation de l'étudiant dans le domaine de l'ingénierie de la construction, par un ensemble d'activités qui traitent de manière avancée l'analyse, la conception, le calcul, le dimensionnement, la réalisation des ouvrages.

Les étudiants sont tenus de vérifier dans les cahiers des charges de chaque cours qui les intéressent s'ils ont bien suivi les activités préalables requises. Sans ces préalables, l'inscription à ce cours leur sera refusée.

- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

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

Year

1 2

**o Content:**

					Year	
⊗ LGCIV2032	Prestressed concrete structures	Jean-François Cap	FR [q1] [20h+15h] [4 Credits] 🌐		X	X
⊗ LMECA2520	Calculation of planar structures	Issam Doghri	EN [q2] [30h+30h] [5 Credits] 🌐 > French-friendly		X	X
⊗ LGCIV2051	Applied hydraulics : open-channel flows	Sandra Soares Frazao	EN [q1] [30h+30h] [5 Credits] 🌐 > French-friendly		X	X
⊗ LGCIV2071	Geotechnics	Hadrien Rattez	EN [q1] [30h+30h] [5 Credits] 🌐 > French-friendly		X	X
⊗ LGCIV2013	Hydraulic structures	Didier Bousmar Sandra Soares Frazao	EN [q2] [30h+15h] [5 Credits] 🌐 > French-friendly		X	X
⊗ LGCIV2045	Structures under fire conditions	Olivier Vassart	EN [q2] [20h] [3 Credits] 🌐 > French-friendly		X	X
⊗ LGCIV2011	Project 1	Pierre Latteur Hadrien Rattez Thomas Vandenberg Denis Zastavni	EN [q1] [42.5h+40h] [7 Credits] 🌐 > French-friendly		X	X
⊗ LGCIV2052	Hydropower plants	Sandra Soares Frazao	EN [q2] [20h] [3 Credits] 🌐 > French-friendly		X	X
⊗ LGCIV2056	Marine Hydrodynamics	Eric Deleersnijder	FR [q1] [30h+15h] [5 Credits] 🌐 > French-friendly		X	X
⊗ LICAR2931	Stage en milieu professionnel		FR [ ] [ ] [3 Credits] 🌐			



## Supplementary classes

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***To access this Master, students must have a good command of certain subjects. If this is not the case, in the first annual block of their Masters programme, students must take supplementary classes chosen by the faculty to satisfy course prerequisites.***

## Course prerequisites

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There are no prerequisites between course units (CUs) for this programme, i.e. the programme activity (course unit, CU) whose learning outcomes are to be certified and the corresponding credits awarded by the jury before registration in another CU.

## The programme's courses and learning outcomes

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For each UCLouvain training programme, a [reference framework of learning outcomes](#) specifies the 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.

## ARCH2M - Information

### Access Requirements

Master course admission requirements are defined by the French Community of Belgium Decree of 7 November 2013 defining the higher education landscape and the academic organisation of courses.

General and specific admission requirements for this programme must be satisfied at the time of enrolling at the university.

Unless explicitly mentioned, the bachelor's, master's and licentiate degrees listed in this table or on this page are to be understood as those issued by an institution of the French, Flemish or German-speaking Community, or by the Royal Military Academy.

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

#### SUMMARY

- > [General access requirements](#)
- > [Specific access requirements](#)
- > [University Bachelors](#)
- > [Non university Bachelors](#)
- > [Holders of a 2nd cycle University degree](#)
- > [Holders of a non-University 2nd cycle degree](#)
- > [Access based on validation of professional experience](#)
- > [Access based on application](#)
- > [Admission and Enrolment Procedures for general registration](#)

### University Bachelors

Diploma	Special Requirements	Access	Remarks
<b>UCLouvain Bachelors</b>			
Titre inconnu:larch1ba		Direct access	
		<a href="#">Access based on application</a>	
Bachelier en architecture [180.0] A Bruxelles - A Tournai		<a href="#">Access based on application</a>	
<b>Others Bachelors of the French speaking Community of Belgium</b>			
Bachelier en sciences de l'ingénieur - orientation ingénieur civil architecte			

Master (ou la Commission d'admission), se prononce sur l'admissibilité du candidat étudiant, dans le respect des règlements concernant les passerelles entre formations. Année préparatoire de 60 crédits (constituée d'activités au programme du bachelier en sciences de l'ingénieur, orientation ingénieur civil architecte) approuvée par la Commission de programme Master.

## Non university Bachelors

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

## Holders of a 2nd cycle University degree

Diploma	Special Requirements	Access	Remarks
<b>"Licenciés"</b>			
<b>Masters</b>			
		<a href="#">Access based on application</a>	

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

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

## Access based on validation of professional experience

> It is possible, under certain conditions, to use one's personal and professional experience to enter a university course without having the required qualifications. However, validation of prior experience does not automatically apply to all courses. Find out more about [Validation of priori experience](#).

## Access based on application

Access based on application : access may be granted either directly or on the condition of completing additional courses of a maximum of 60 ECTS credits, or refused.

## Admission and Enrolment Procedures for general registration



A côté de ces partenariats en réseau, la Faculté a également signé un certain nombre de conventions individuelles avec différentes universités en Europe, en Amérique du Nord ou ailleurs dans le monde. La liste de ces conventions peut être consultée sur le site de l'Administration des Relations Internationales de l'UCL (<https://uclouvain.be/international.html>).

La FSA participe également au programme TIME (<http://www.time-association.org>) qui permet à certains étudiants d'obtenir à l'issue d'un cursus adapté, deux diplômes d'ingénieur.

#### Ouverture internationale (à l'intention des étudiants UCL)

Outre les cours intensifs qui représentent une première approche de l'international, les étudiants FSA dont le cursus académique est de qualité, sont invités à postuler pour participer à un programme d'échange de 5 ou 10 mois.

S'ils se déroulent en première année du master, les échanges portent en principe sur 10 mois. En deuxième année, ils ne durent qu'une demi-année, soit un quadrimestre de cours, soit un quadrimestre de recherche dans un laboratoire étranger en liaison avec le travail de fin d'études.

Quelques formules plus spécifiques existent également pour les échanges avec le sud de l'Amérique Latine qui vit au rythme d'un calendrier académique « austral ».

Les étudiants sont informés des différents programmes d'échanges dès leur deuxième année de bachelier. Ils sont invités à s'y préparer à temps, notamment au niveau linguistique via les cours de l'Institut des langues vivantes de l'UCL.

## Possible trainings at the end of the programme

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- Master complémentaire accessible :

Master complémentaire en urbanisme et développement du territoire

- Formation doctorale accessible :

Deux écoles doctorales :

1. EDT "architecture, urbanisme, ingénierie architecturale et urbaine"
2. EDT "urbanisme et développement du territoire"

## Contacts

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### Curriculum Management

Faculty

Structure entity

Denomination

Sector

Acronym

Postal address

Website

Mandate(s)

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

Commission(s) of programme

- Commission du bachelier en architecture ([BARC](#))
- Commission du bachelier en ingénieur civil architecte ([BIAR](#))
- Commission du master en architecture ([MARC](#))
- Commission du master en ingénieur civil architecte ([MIAR](#))
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SST/LOCI

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

Sciences and Technology ([SST](#))

LOCI

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

