

First Year

44 credits of courses and imposed activities

Compulsory courses

Sciences and techniques

ARCH0412-1	<i>Structure 4</i> - Vincent SERVAIS	24	-	-	2
ARCH0413-1	<i>Construction 4</i> - Anne DENGIS	24	-	-	2
ARCH0415-1	<i>Building equipment 3</i> - Henriette MICHAUX	12	12	-	2
ARCH0416-1	<i>Professional practice</i> - Philippe GREISCH	24	-	-	2
ARCH0414-2	<i>Technical applications 4</i>				4
	- <i>Structure</i> - Francois LAURENT, Vincent SERVAIS - [16h Mon. WS]	-	-	[+]	
	- <i>Construction</i> - Anne DENGIS, Philippe GREISCH - [16h Mon. WS]	-	-	[+]	
	- <i>Equipments</i> - Henriette MICHAUX, Adolf SKOK - [16h Mon. WS]	-	-	[+]	

Architecture and Society

ARCH0427-1	<i>Construction law : specific elements</i> - Laurent HENROTTE (Odd years)	24	-	-	2
ARCH0527-1	<i>Construction law : contractual elements</i> - Laurent HENROTTE (Even years)	24	-	-	2

City, territory, landscape

ARCH0453-1	<i>Procedures regarding urban and territorial projects: urban planning and territorial development</i> - Roger HAGELSTEIN	24	-	-	2
ARCH0454-1	<i>Theory of landscape project</i> - Rita OCCHIUTO	24	-	-	2

Architecture Project

ARCH0440-1	<i>Architecture project of 1st master</i> - Aloys BEGUIN, Abdelkader BOUTEMADJA, Henri CHAUMONT, Fabienne COURTEJOIE, Bernard DEFFET, Frederic DELVAUX, Lisa DE VISSCHER, Pierre DE WIT, Philippe GREISCH, PaulChristian HAUTECLER, Georges LANTAIR, Luc MABILLE, Norbert NELLES, Rita OCCHIUTO, Jose STERKENDRIES	-	256	-	20
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Final work

ARCH0461-1	<i>Advanced states (RECP)</i> - Stéphane DAWANS, David TIELEMAN	-	-	-	4
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Optional courses

One of the following courses of expression and communication, worth 2 credits, must be chosen :

ARCH1001-1	<i>Sketches, form and space</i> - ClaudeLucie HICK, N...	-	24	-	2
ARCH1002-1	<i>Arts and architecture</i> - Sarah BEHETS, Aniceto EXPOSITOLOPEZ, Benedicte HENRY	-	24	-	2
ARCH1003-1	<i>Topometric operating prospects</i> - Serge PAEME	12	12	-	2

Notice : Max. 15 students. For selection procedures, see educational commitments.

ARCH1004-1	<i>Parameter-based architecture</i> - Frederic DELVAUX, Sylvie JANCART	-	24	-	2
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Optional courses

Students choose a study path from the three following study paths :

- * Studio 1/1
- * Knowledge, conservation and restoration of heritage
- * Urban planning and landscape

Students complete their study programme by choosing courses from optional courses offered by the critical theories labs and/or complementarily by study paths.

Students must take during the cycle of master, at least 4 ECTS of critical theories. These courses are indicated by the letters CT

Choose one workshop from one of the study paths :

STUDY PATH STUDIO 1/1

The STUDIO 1/1 study path develops a consistent design process at any of the project's possible scales, from the broadest perspective to the smallest details, taking into account composition, functionality, technical requirements and sensitivity. All workshops emphasise attention to practical matters, as well as experimentation and a technical and creative approach. The workshops available explore a wide variety of fields, but have a number of things in common: they establish each

project's meaning throughout its development, highlighting the necessary feedback loop between the wider and the smaller scales, they develop architecture's material aspect and they confront students with the realisation of a thought into a building project. All workshops aim at providing students with skills that prepare them to the various practices involved in managing an architectural project.

Workshops tackle all the intermediary steps between man and architecture, as well as the relation between space and structure, the envelope, the inside space, and the indoor fittings all the way down to the furniture.

Workshop A : Projects between object and architecture

ARCH1621-1	<i>Workshop A : Projects between object and architecture</i> - Aloys BEGUIN, Olivier FOURNEAU, Luc MABILLE	-	96	-	8
ARCH1625-2	<i>Technical information - workshop A</i> - Aloys BEGUIN, Luc MABILLE - [48h Vis.]	-	-	[+]	4

Workshop B : Habitat and environmental footprint

ARCH1622-1	<i>Workshop B : Habitat and environmental footprint</i> - Fabienne COURTEJOIE, Xavier FOLVILLE, Olivier HENZ	-	96	-	8
ARCH1626-1	<i>Design of highly energy-efficient buildings</i> - Olivier HENZ	24	-	-	2
ARCH1636-1	<i>Technical information - workshop B</i> - Fabienne COURTEJOIE - [24h Vis.]	-	-	[+]	2

Workshop C : against and with architecture

ARCH1623-1	<i>Workshop C : against and with architecture</i> - JeanMarie BLEUS, Marina FRIENNA, Pascal NOE	-	96	-	8
ARCH1627-2	<i>Preliminary analysis of existing buildings</i> - Marina FRIENNA, Pascal NOE - [30h Vis., 18h Conf.]	-	-	[+]	2
ARCH1637-1	<i>Additional information - Workshop C</i> - Marina FRIENNA, Pascal NOE - [24h Vis., 24h Conf.]	-	-	[+]	2

Workshop D : Space, structures and experimentation

ARCH1624-1	<i>Workshop D : Space, structures and experimentation</i> - Henri CHAUMONT, Henriette MICHAUX	-	96	-	8
ARCH1628-1	<i>Workshop on light 2</i> - Henriette MICHAUX	-	24	-	2
ARCH1638-1	<i>Technical information - workshop D</i> - Henri CHAUMONT, Henriette MICHAUX, Vincent SERVAIS - [24h Vis.]	-	-	[+]	2

STUDY PATH KNOWLEDGE, CONSERVATION AND RESTORATION OF HERITAGE

Any work on heritage, whether it deals with its promotion, study, conservation or restoration, lies at the crossroads of applied sciences and human sciences. Carrying out interventions on heritage buildings - protected or not - requires calling upon technical, historical, and philosophical skills, as well as a certain receptiveness to the values of the building in question.

Courses in the "Knowledge, conservation and restoration of heritage" orientation aim at providing students with essential basic skills enabling them to develop a methodology that is specific to the field and to interdisciplinary dialogue.

The "human sciences" branch completes the historical culture that was acquired by students during the bachelor programme by offering a more specialised and practical approach (archive search, architecture of built structures), and provides theoretical and philosophical tools that encourage students to choose which attitude they wish to adopt in the field of heritage work, all the while teaching them about current legislation and administrative issues.

The technical part tackles the history of materials and of their use, along with restoration techniques and the analysis of old structures.

Courses are given as seminars, conferences and field visits. The programme's cross-disciplinary aspect is expressed in the workshops, where students are required to call upon a variety of fields of knowledge through studies and projects on the restoration of heritage buildings and built fabric, while also tackling the subjects of scenery and gardens.

This orientation offers a basic level (4 workshop ECTS and 8 required course ECTS) and an advanced level (8 workshop ECTS and 4 required course ECTS). Enrolment to the advanced level depends requires that students have completed the basic level: students joining this orientation in the 2nd year of the master programme will therefore enter the basic level, and will not be able to follow the advanced classes.

Basic year

ARCH1730-1	<i>Restoration : exercises and applications</i> - Francoise DUPERROY, Gisele GANTOIS, Claudine HOUBART	-	48	-	4
ARCH1732-1	<i>Restoration techniques</i> - Francoise DUPERROY	36	-	-	3
ARCH1733-1	<i>Introduction to the history and theory of restoration</i> - Claudine HOUBART	24	-	-	2
ARCH1734-1	<i>Reading the urban fabric and the built environment, Part 1</i> -	24	-	-	2

AUTECLER

ARCH1740-1	<i>History of techniques and materials</i> - Francis TOURNEUR (Even years)	12	-	-	1
ARCH1738-1	<i>Administrative procedures and legislation concerning restoration</i> - Francoise DUPERROY (Odd years)	12	-	-	1

STUDY PATH URBAN PLANNING AND LANDSCAPE

Taking on the challenge of sustainable development means transitioning from the cult of productivity to new forms of equilibrium between humans and their environment. Innovating territorial policies will have to be adopted, based on a new urban culture. They must aim at creating quality living environments that enable the development of human interactions centred on well-being and individual fulfilment.

This makes urban projects and landscape projects into powerful tools that can communicate new visions on our society's future and act upon the quick and complex evolution that our territories are undergoing.

The project is designed from the broadest scale to the smallest details, and is adopted as a way to transcribe prospective objectives spanning multiple scales and different times, integrating how inhabitants experience space and what images the structure brings up, and enabling different forms of urban landscapes.

In this perspective, the orientation offers workshops, classes and seminars that refer to pluridisciplinary theories and methods that are suited to the hyper-contemporary evolution of territories that are a result of the interaction between man and nature: cities, towns, neighbourhoods, countryside, landscapes and complex urban systems or hybrid territories.

The questions asked call upon the interaction of various methods and fields of knowledge, enabling students to account for the complex phenomena related to the realities of urban and natural environments. They are applied to the development of concrete projects such as: development of neighbourhoods, public spaces, blocks and green areas, rehabilitation of sites, restructuring of landscapes, improvement of watercourses;

The themes offered in workshops are all development avenues that are directly related to new professions in architecture, as well as to applied research.

Two specific programmes, which reflect on territorial issues from different approaches, are :

- * Areas in the process of change: urban projects
- * Landscape architecture

Outre le séminaire qui introduit les deux parcours et le workshop commun, l'orientation propose de nombreux moments d'interaction didactique associant étudiants et enseignants sous forme de communications, visites, voyages ou conférences dont le programme varie selon les thèmes de projet.

This orientation also provides students with an opportunity to improve their knowledge by offering a second level, whether in urban planning or landscape projects. This second level is open to students who have completed the first level the previous year. Students from both levels (basic and advanced) work in the same workshop around common themes, while doing level-appropriate assignments and pursuing different objectives.

Basic year

ARCH1945-1	<i>Introduction to contemporary issues of cities and landscape design</i> - Stéphane DAWANS, Pierre FRANKIGNOULLE, Marc GOOSSENS, Rita OCCHIUTO, Marie ROOSEN, David TIELEMAN	24	-	-	2
ARCH1946-1	<i>Workshop 1 : specific themes (urban/landscape) with cross-cutting relationships</i> - Sophie DAWANCE, Rita OCCHIUTO	-	-	24	2

Choose one of the following courses :

ARCH1942-1	<i>Basic workshop : urban project</i> - Sophie DAWANCE, Marc GOOSSENS, Marijke MAES	-	96	-	8
ARCH1943-1	<i>Basic workshop : landscaping project</i> - Benedicte HENRY, Rita OCCHIUTO	-	96	-	8

Choose courses totalling 4 ECTS from the following :

LABS critical theory

The function of the critical theories lab is to establish critical and analytical processes centred on issues related to the theory, the history, the human sciences and the social sciences of architecture.

These teachings train students to retrieve information, to understand and analyse sources in great detail, to compare authors in a critical way, and to adopt approaches and methodologies enabling them to develop an argument that demonstrates a certain point of view or defends a certain position.

Labs : Theory of architecture

ARCH1801-1	<i>Monographics : applied research workshop, spatial and constructed analysis - Part 48</i> - 1 - Georges LANTAIR	48	-	-	4
	<i>Notice</i> : Common courses				
ARCH1802-1	<i>Monographics : applied research workshop, spatial and constructed analysis - Part 24</i> - 2 - Georges LANTAIR	24	-	-	2

Notice : Common courses

ARCH1803-1 *Architectural analysis (applied research workshop)* - Bernard KORMOSS 8 40 - 4

Notice : Common courses

ARCH1804-1 *Critical architectural theories* - Bernard KORMOSS - [24h Mon. Read.] - - - [+] 2

Notice : Common courses

ARCH1805-1 *Architecture, city and cinema* - Maurizio COHEN 24 - - - 2

Notice : Common courses

Laboratory for history/contemporary history

ARCH1821-1 *Ancient, contemporary and traditional architecture in Belgium* - Xavier FOLVILLE 24 - - - 2

Notice : Common courses

ARCH1810-1 *History of Belgian architecture, modern and contemporary 1 (from 1900 to 1940)* - 24 - - - 2
Maurizio COHEN

Notice : Common courses

ARCH1811-1 *History of Belgian architecture, modern and contemporary 1 (from 1940 to 2010)* - 24 - - - 2
Maurizio COHEN

Notice : Common courses

Laboratory for human and social science

ARCH1831-1 *Advanced questions in philosophy as applied to architecture and urban planning* - 24 - - - 2
Stéphane DAWANS

Notice : Common courses

ARCH1841-1 *Questions in semiology applied to architecture* - Stéphane DAWANS 24 - - - 2

Notice : Common courses

ARCH1843-1 *Communication and cognition in architecture* - Marie ROOSEN 24 - - - 2

Notice : Common courses

ARCH1844-1 *Criminality and territory - research questions* - David TIELEMAN 24 - - - 2

Notice : Common courses

ARCH1845-1 *Criminality and territory - theoretical approach* - David TIELEMAN 24 - - - 2

Notice : Common courses

Complementary optional courses offered by the study paths

Study paths : studio 1/1

ARCH1630-1 *Living. Decoration, spatiality and lifestyles* - Xavier FOLVILLE 24 - - - 2

Notice : Common courses

ARCH1631-1 *Living. Analysis of architectural procedures* - Xavier FOLVILLE 24 - - - 2

Notice : Common courses

ARCH1634-1 *Living. Introduction to the design and contemporary furniture* - Xavier FOLVILLE 24 - - - 2

ARCH1632-1 *Light / Color 1* - Henriette MICHAUX - 24 - - - 2

ARCH1635-1 *Scenographic equipment in performing arts halls* - Dimitri SCHMITZ 24 - - - 2

ARCH1633-1 *Health and environmental aspects of materials* - Henriette MICHAUX 24 - - - 2

Study path : Knowledge and preservation of public buildings

ARCH1733-1 *Introduction to the history and theory of restoration* - Claudine HOUBART 24 - - - 2

Notice : Common courses

ARCH1734-1 *Reading the urban fabric and the built environment, Part 1* - 24 - - - 2
PaulChristian HAUTECLER

ARCH1735-1 *Reading the urban fabric and the built environment, Part 2 (Workshop)* - - 12 - - 1
PaulChristian HAUTECLER

ARCH1736-1 *Heritage in modern times, documentation and conservation* - Maurizio COHEN 24 - - - 2

Notice : Common courses

ARCH1737-1	<i>Old structures</i> - JeanMarie BLEUS	24	-	-	2
ARCH1739-2	<i>Advanced questions in the philosophy of heritage preservation</i> - Stéphane DAWANS, Claudine HOUBART	24	-	-	2

Notice : Common courses

Study path : urban project/landscape

ARCH1734-1	<i>Reading the urban fabric and the built environment, Part 1</i> - PaulChristian HAUTECLER	24	-	-	2
ARCH1946-1	<i>Workshop 1 : specific themes (urban/landscape) with cross-cutting relationships</i> - Sophie DAWANCE, Rita OCCHIUTO	-	-	24	2
ARCH1956-1	<i>Workshop 2 : specific themes (urban/landscape) with cross-cutting relationships</i> - Sophie DAWANCE, Rita OCCHIUTO	-	-	24	2
ARCH1947-1	<i>History of the city and conceptions of urban planning</i> - Pierre FRANKIGNOULLE	24	-	-	2

Notice : Common courses

ARCH1948-1	<i>History of the city : advanced questions</i> - Pierre FRANKIGNOULLE - [8h Vis.]	8	8	[+]	2
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Notice : Common courses

ARCH1950-2	<i>Socio-urbanistic approach to contemporary living spaces : research questions</i> - Marie ROOSEN, David TIELEMAN - [18h SEM]	12	18	[+]	4
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Notice : Common courses (2 credits)

ARCH1951-1	<i>Procedures for intervention in urban planning and development of territory</i> - Roger HAGELSTEIN	24	-	-	2
ARCH1952-1	<i>Geographical information systems</i> - Georges MABILLE	24	-	-	2

Second Year

Compulsory courses

Sciences and techniques

ARCH0514-2	<i>Technical applications 5 (construction, equipment, structure)</i>				4
	- <i>Structure</i> - Francois LAURENT, Vincent SERVAIS - [16h Mon. WS]	-	-	[+]	
	- <i>Construction</i> - Anne DENGIS, Philippe GREISCH - [16h Mon. WS]	-	-	[+]	
	- <i>Equipments</i> - Henriette MICHAUX, Adolf SKOK - [16h Mon. WS]	-	-	[+]	

Architecture and Society

ARCH0427-1	<i>Construction law : specific elements</i> - Laurent HENROTTE (Odd years)	24	-	-	2
ARCH0527-1	<i>Construction law : contractual elements</i> - Laurent HENROTTE (Even years)	24	-	-	2
ARCH0528-1	<i>Deontology</i> - Karl SIMON	24	-	-	2

City, territory, landscape

ARCH0553-1	<i>Procedures regarding urban and territorial projects: strategies, tools, actors</i> - Sophie DAWANCE	24	-	-	2
ARCH0540-1	<i>Architecture projects of the 2nd master</i> - Aloys BEGUIN, Abdelkader BOUTEMADJA, Henri CHAUMONT, Fabienne COURTEJOIE, Bernard DEFFET, Frederic DELVAUX, Lisa DE VISSCHER, Pierre DE WIT, Philippe GREISCH, PaulChristian HAUTECLER, Georges LANTAIR, Luc MABILLE, Norbert NELLES, Rita OCCHIUTO, Jose STERKENDRIES	24	236	-	20
TMEM0561-1	<i>Final thesis</i> - Stéphane DAWANS, David TIELEMAN	-	-	-	12
TSTG0571-1	<i>Placement</i> - Karl SIMON, Jose STERKENDRIES	-	-	-	2

Optional courses

Students can continue their studies in the same orientation, or switch to a different orientation. As in the first year, students complete their programme by choosing courses among the optional ones offered by the laboratory on critical theories and/or on a complementary basis, through the orientations.

Exceptionally, students can, **upon a reasoned request**, follow a programme comprising only courses chosen among the more theoretical optional courses, for a total of 16 credits, selected among the courses offered by the laboratory on critical theories as well as by the various orientations. In this case, the student's programme must be consistent with a reflective process and approved by the deans or by the president of the admissions jury.

Choose one workshop, not already taken in the 1st year of master, from one of the study paths :

STUDY PATH STUDIO 1/1

Workshop A : Projects between object and architecture

ARCH1621-1	<i>Workshop A : Projects between object and architecture</i> - Aloys BEGUIN, Olivier FOURNEAU, Luc MABILLE	-	96	-	8
ARCH1625-2	<i>Technical information - workshop A</i> - Aloys BEGUIN, Luc MABILLE - [48h Vis.]	-	-	[+]	4

Workshop B : Habitat and environmental footprint

ARCH1622-1	<i>Workshop B : Habitat and environmental footprint</i> - Fabienne COURTEJOIE, Xavier FOLVILLE, Olivier HENZ	-	96	-	8
ARCH1626-1	<i>Design of highly energy-efficient buildings</i> - Olivier HENZ	24	-	-	2
ARCH1636-1	<i>Technical information - workshop B</i> - Fabienne COURTEJOIE - [24h Vis.]	-	-	[+]	2

Workshop C : against and with architecture

ARCH1623-1	<i>Workshop C : against and with architecture</i> - JeanMarie BLEUS, Marina FRIENNA, Pascal NOE	-	96	-	8
ARCH1627-2	<i>Preliminary analysis of existing buildings</i> - Marina FRIENNA, Pascal NOE - [30h Vis., 18h Conf.]	-	-	[+]	2
ARCH1637-1	<i>Additional information - Workshop C</i> - Marina FRIENNA, Pascal NOE - [24h Vis., 24h Conf.]	-	-	[+]	2

Workshop C - Complement : Against/with the architecture

	<u>Prerequisite</u>	"Atelier C : Contre et/avec l'architecture" "Atelier A : Projets entre objet et architecture" "Atelier B : Habitat et empreinte environnementale" "Atelier D : Espace, structures et expérimentation"			
ARCH1654-1	<i>Workshop C - Complement : Against/with the architecture</i> - Mario GARZANITI	-	96	-	8
ARCH1656-1	<i>Structure-Analysis and project planning</i> - JeanMarie BLEUS	-	24	-	2
[...]	Choose courses totalling 2 ECTS from the complementary optional courses offered by the study paths or the course below				
ARCH1637-2	<i>Additional information - Workshop C (Complément)</i> - Marina FRIENNA, Pascal NOE - [24h Vis., 24h Conf.]	-	-	[+]	2

Workshop D : Space, structures and experimentation

ARCH1624-1	<i>Workshop D : Space, structures and experimentation</i> - Henri CHAUMONT, Henriette MICHAUX	-	96	-	8
ARCH1628-1	<i>Workshop on light 2</i> - Henriette MICHAUX	-	24	-	2
ARCH1638-1	<i>Technical information - workshop D</i> - Henri CHAUMONT, Henriette MICHAUX, Vincent SERVAIS - [24h Vis.]	-	-	[+]	2

Workshop D - complement : Space, structures and experimentation

	<u>Prerequisite</u>	"Atelier D : Espace, structures et expérimentation" "Atelier A : Projets entre objet et architecture" "Atelier B : Habitat et empreinte environnementale" "Atelier C : Contre et/avec l'architecture"			
ARCH1644-1	<i>Workshop D - complement : Space, structures and experimentation</i> - Henri CHAUMONT, Henriette MICHAUX	-	96	-	8
ARCH1646-2	<i>Workshop on light 2 - depth notions</i> - Henriette MICHAUX	-	24	-	2
ARCH1645-1	<i>Technical information - workshop D - depth notions</i> - Vincent SERVAIS - [24h Vis.]	-	-	[+]	2

STUDY PATH KNOWLEDGE, CONSERVATION AND RESTORATION OF HERITAGE

Basic year

ARCH1730-1	<i>Restoration : exercises and applications</i> - Francoise DUPERROY, Gisele GANTOIS, Claudine HOUBART	-	48	-	4
ARCH1732-1	<i>Restoration techniques</i> - Francoise DUPERROY	36	-	-	3
ARCH1733-1	<i>Introduction to the history and theory of restoration</i> - Claudine HOUBART	24	-	-	2
ARCH1734-1	<i>Reading the urban fabric and the built environment, Part 1</i> -	24	-	-	2

	AUTECLER				
ARCH1740-1	<i>History of techniques and materials</i> - Francis TOURNEUR (Even years)	12	-	-	1
ARCH1738-1	<i>Administrative procedures and legislation concerning restoration</i> - Francoise DUPERROY (Odd years)	12	-	-	1

Advanced year

	<u>Prerequisite</u>	"Année de base"			
ARCH1731-1	<i>Restoration project</i> - Francoise DUPERROY, Gisele GANTOIS, Claudine HOUBART	-	96	-	8
ARCH1737-1	<i>Old structures</i> - JeanMarie BLEUS	24	-	-	2
ARCH1740-1	<i>History of techniques and materials</i> - Francis TOURNEUR (Even years)	12	-	-	1
ARCH1738-1	<i>Administrative procedures and legislation concerning restoration</i> - Francoise DUPERROY (Odd years)	12	-	-	1
[...]	Choose courses totalling 1 ECTS minimum from the complementary optional courses offered by the study paths				

STUDY PATH URBAN PLANNING AND LANDSCAPE

Basic year

ARCH1945-1	<i>Introduction to contemporary issues of cities and landscape design</i> - Stéphane DAWANS, Pierre FRANKIGNOULLE, Marc GOOSSENS, Rita OCCHIUTO, Marie ROOSEN, David TIELEMAN	24	-	-	2
ARCH1946-1	<i>Workshop 1 : specific themes (urban/landscape) with cross-cutting relationships</i> - Sophie DAWANCE, Rita OCCHIUTO	-	24	-	2

Choose one of the following courses :

ARCH1942-1	<i>Basic workshop : urban project</i> - Sophie DAWANCE, Marc GOOSSENS, Marijke MAES	-	96	-	8
ARCH1943-1	<i>Basic workshop : landscaping project</i> - Benedicte HENRY, Rita OCCHIUTO	-	96	-	8

Advanced year

Prerequisite "Année de base"

Choose one of the following courses :

ARCH1944-1	<i>In-depth workshop: urban project</i> - Sophie DAWANCE, Marc GOOSSENS, Marijke MAES	-	96	-	8
ARCH1953-1	<i>In-depth workshop: landscaping project</i> - Benedicte HENRY, Rita OCCHIUTO	-	96	-	8
	<u>Prerequisite</u> ARCH1942-1 Atelier B : Territoire en mutation : projet urbain				
	<u>Prerequisite</u> ARCH1943-1 Atelier de base : projet paysage				

Choose courses totalling 4 ECTS from the following :

[...] complementary optional courses presented in the study path

Choose courses totalling 4 ECTS from the following :

[...] the remaining laboratory courses and optional courses completing the study paths that were not chosen in the 1st year of the master