

#### Cycle view of the study programme

B1 Or Th Pr Au Cr

#### Compulsory courses (B1 : 60Cr, B2 : 60Cr, B3 : 60Cr)

ARCH0002-1	<i>Methodology of Architectural Projects I : functional and ergonomical composition</i> - Pierre LECLERCQ - [1d FW, 100h Proj.] <b>Corequisite :</b> ARCH3275-1 - Techniques de construction durable des bâtiments IA - éléments - Partie A ARCH0066-2 - Ateliers d'architecture IB-Composition architecturale	B1	TA	30	60	[+]	8
ARCH3259-1	<i>Sustainable building construction techniques IB - elements - Part B</i> - Shady ATTIA - [1d FW, 30h Proj.] <b>Corequisite :</b> ARCH3275-1 - Techniques de construction durable des bâtiments IA - éléments - Partie A ARCH0066-2 - Ateliers d'architecture IB-Composition architecturale	B1	Q2	12	24	[+]	3
ARCH3270-1	<i>Architectural studio IA: Graphic composition</i> - Catherine ELSESEN - [1d FW, 35h Proj.]	B1	Q1	10	40	[+]	4
ARCH0066-2	<i>Architectural studio IB: architectural composition</i> - Catherine ELSESEN - [1d FW, 25h Proj.] <b>Corequisite :</b> ARCH3270-1 - Ateliers d'architecture IA-Composition graphique ARCH3259-1 - Techniques de construction durable des bâtiments IB - éléments - Partie B ARCH0002-1 - Méthodologie du projet architectural I : composition fonctionnelle et ergonomique	B1	Q2	10	40	[+]	4
CHIM9272-2	<i>Chemistry 1</i> - Benoît HEINRICHS - [4h Labo.]	B1	Q1	25	20	[+]	4
CHIM9273-2	<i>Chemistry 2, Part A</i> - Benoît HEINRICHS - [8h Labo.] <b>Corequisite :</b> CHIM9272-2 - Chimie 1	B1	Q2	15	10	[+]	2
LANG0038-1	<i>English (english language)</i> - Sébastien SCHOENMAECKERS - [5h Proj.]	B1	TA	6	46	[+]	4
MATH0002-4	<i>Mathematical analysis 1, Part 1</i> - Eric DELHEZ	B1	Q1	22	22	-	5
MATH0066-1	<i>Complement of mathematics 2</i> - Patricia TOSSINGS	B1	Q2	26	26	-	4
MATH0013-1	<i>Algebra</i> - Eric DELHEZ	B1	Q1	26	26	-	4
PHYS2020-1	<i>Physics 1: Mechanics</i> - Hervé CAPS	B1	Q1	20	20	-	4
PHYS2021-1	<i>Physics 2: Electricity and electromagnetism</i> - Hervé CAPS	B1	Q2	26	26	-	5
ARCH3275-1	<i>Sustainable building construction techniques: elements</i> - Shady ATTIA	B1	Q1	16	36	-	5
ARCH2224-1	<i>Architectural culture 2 - history of construction - Antiquity to the 19th century</i> - Baptiste DRUGMAND, Philippe SOSNOWSKA	B1	Q2	40	-	-	4

Engineering jobs and careers : compulsory seminars

Annual study trip : guided tours on architectural and urbanistic achievements (optional).

A visit to a business (optional).

ARCH0006-2	<i>Methodology of Architectural Projects II : bioclimatic composition</i> - Pierre LECLERCQ - [1d FW, 85h Proj.] <b>Corequisite :</b> ARCH0002-1 - Méthodologie du projet architectural I : composition fonctionnelle et ergonomique	B2	TA	40	50	[+]	8
ARCH3260-1	<i>Architectural studio II</i> - <i>Introduction</i> - Catherine ELSESEN - [1d FW, 85h Proj.] - <i>Supplement</i> - Catherine ELSESEN - [40h Proj.] <b>Corequisite :</b> ARCH0066-2 - Ateliers d'architecture IB-Composition architecturale ARCH3259-1 - Techniques de construction durable des bâtiments IB - éléments - Partie B ARCH0002-1 - Méthodologie du projet architectural I : composition fonctionnelle et ergonomique	B2	TA	20	70	[+]	8
ARCH0079-1	<i>Sustainable building construction techniques II : envelope</i> - Shady ATTIA - [40h Proj.] <b>Corequisite :</b>	B2	Q1	15	30	[+]	5

ARCH0006-2 - Méthodologie du projet architectural II : composition bioclimatique

INFO2009-2	<i>Introduction to computer science</i> - Bernard BOIGELOT	B2	Q1	24	14	-	4
MECA0001-2	<i>Mechanics of materials</i> - JeanFrançois DEMONCEAU, Laurent DUCHENE - [2h Labo., 12h Proj.]	B2	Q1	27	25	[+]	5
MECA0011-2	<i>Fluid Mechanics : Basics</i> - Michel PIROTON - [25h Proj.] <b>Prerequisite :</b> PHYS2020-1 - Physique 1 : Mécanique MATH0066-1 - Compléments de mathématiques 2 <b>Corequisite :</b> MECA0001-2 - Mécanique des matériaux	B2	Q2	20	30	[+]	4
MECA0012-6	<i>Solid mechanics</i> - Laurent DUCHENE - [15h Proj.] <b>Corequisite :</b> MECA0001-2 - Mécanique des matériaux PHYS2020-1 - Physique 1 : Mécanique MATH0013-1 - Algèbre MATH0002-4 - Analyse mathématique 1	B2	Q2	26	26	[+]	5
GCIV0184-5	<i>Building Materials</i> - Luc COURARD, Anne HABRAKEN - [0,5d FW, 12h Labo., 12h Proj.] <b>Corequisite :</b> MECA0012-6 - Mécanique des solides CHIM9273-2 - Chimie 2 CHIM9272-2 - Chimie 1	B2	Q2	36	16	[+]	5
GEOL0001-1	<i>Geology and Engineering geology</i> - Alain DASSARGUES - [2d FW]	B2	Q2	30	22	[+]	5
MECA0445-2	<i>Heat transfer (english language)</i> - Pierre DEWALLEF, Vincent TERRAPON - [4h Labo., 9h Proj.]	B2	Q2	28	24	[+]	5
ARCH1014-1	<i>Architectural culture 1: History and theory of architecture - 19th century to 1940</i> - Baptiste DRUGMAND, Silvia GROAZ	B2	Q2	40	-	-	4
ARCH3274-1	<i>User-centred approaches to architecture and engineering</i> - Catherine ELSSEN - [30h Proj., 1d FW]	B2	Q2	10	10	[+]	2
Annual study trip : guided tours on architectural and urbanistic achievements (optional).							
ARCH0009-3	<i>Sustainable building construction techniques III: networks</i> - Shady ATTIA - [1d FW, 45h Proj.] <b>Prerequisite :</b> ARCH3259-1 - Techniques de construction durable des bâtiments IB - éléments - Partie B	B3	Q1	17	35	[+]	4
ARCH0017-4	<i>Digital architectural modeling</i> - Aurélie DE BOISSIEU - [98h Proj.]	B3	Q2	20	70	[+]	8
ARCH3262-1	<i>Architectural studio III A</i> - Shady ATTIA - [1d FW, 55h Proj.] <b>Corequisite :</b> ARCH0079-1 - Techniques de construction durable des bâtiments II : Enveloppe ARCH3260-1 - Ateliers d'architecture II	B3	Q1	10	35	[+]	5
ARCH3263-1	<i>Architectural studio III B</i> - Sigrid REITER - Suppl : Sylvain MARBEHANT - [1d FW, 55h Proj.] <b>Corequisite :</b> ARCH0017-4 - Modélisation architecturale numérique ARCH0068-6 - Urbanisme et sitologie ARCH3262-1 - Ateliers d'architecture III A	B3	Q2	10	35	[+]	4
GCIV2030-2	<i>Structural Design of Buildings</i> - JeanMarc FRANSSSEN - [40h Proj.] <b>Corequisite :</b> MECA0012-6 - Mécanique des solides	B3	Q2	15	30	[+]	4
ARCH0068-6	<i>Urban planning and site analysis</i> - <i>Theory</i> - Jacques TELLER - <i>Project</i> - [30h Proj.]	B3	Q1	15	20	-	4
GEOG0053-2	<i>Topography, Part A (english language)</i>	B3	Q1	20	10	-	3
ARCH0069-2	<i>Project management</i> - Aurélie DE BOISSIEU	B3	Q1	15	42	-	2

**Corequisite :**

ARCH0079-1 - Techniques de construction durable des bâtiments II : Enveloppe

GCIV0603-2 *Geotechnics and infrastructure* - Bertrand FRANÇOIS - [1d FW, 2h Labo.] B3 Q2 26 26 [+] 5

**Prerequisite :**

MECA0011-2 - Eléments de mécanique des fluides

MECA0001-2 - Mécanique des matériaux

**Corequisite :**

GEOL0001-1 - Géologie et géologie de l'ingénieur

GCIV0608-1 *Introduction to Structures engineering* - JeanFrançois DEMONCEAU, Vincent DENOËL, JeanMarc FRANSSSEN - [4d FW, 40h Proj.] B3 Q1 12 12 [+] 5

**Prerequisite :**

MECA0001-2 - Mécanique des matériaux

GCIV2172-1 *Metallic Elements Calculation* - JeanFrançois DEMONCEAU - [1d FW, 10h Proj.] B3 Q2 26 26 [+] 5

GCIV2173-1 *Reinforced concrete (english language)* - Boyan MIHAYLOV - [1d FW, 10h Proj.] B3 Q2 26 26 [+] 5

**Prerequisite :**

MECA0012-6 - Mécanique des solides

MECA0001-2 - Mécanique des matériaux

MATH0067-1 *Introduction to statistics and probability* - Vincent DENOËL - [15h Proj.] B3 Q1 20 25 [+] 2

**Prerequisite :**

MATH0002-4 - Analyse mathématique 1

MECA0512-1 *Thermodynamics and heat engines : applications in building industry* - Vincent LEMORT B3 Q2 26 26 - 4

Annual study trip : guided tours on architectural and urbanistic achievements (optional).

*Notice :* with the agreement of the President of the jury, students can also choose a course from catalogue UNIC.

**Learning support activities (B1 : 1Cr)**

AREM0001-1	<i>Remedial Chemistry 1</i> - MarieNoëlle DUMONT - [10h REM]	B1	Q2	-	-	[+]	-
AREM0002-1	<i>Remedial Mathematical analysis 1</i> - Eric DELHEZ - [5h REM]	B1	Q2	-	-	[+]	-
AREM0003-1	<i>Remedial Algebra</i> - Eric DELHEZ - [5h REM]	B1	Q2	-	-	[+]	-
AREM0005-1	<i>Help to succeed in "Chemistry 1"</i> - MarieNoëlle DUMONT - [16h REM]	B1	Q1	-	-	[+]	-
AREM0006-1	<i>Help to succeed in "Chemistry 2"</i> - MarieNoëlle DUMONT - [16h REM]	B1	Q2	-	-	[+]	-
AREM0007-1	<i>Remedial "Computer Science"</i> - Bernard BOIGELOT - [10h REM]	B1	Q2	-	-	[+]	-
AREM0008-1	<i>Help to succeed in "Computer Science"</i> - Bernard BOIGELOT - [10h REM]	B1	Q1	-	-	[+]	-
AREM0009-1	<i>Help to succeed in "Mathematical analysis 1"</i> - Eric DELHEZ - [8h REM]	B1	Q1	-	-	[+]	-
AREM0010-1	<i>Help to succeed in "Algebra"</i> - Eric DELHEZ - [5h REM]	B1	Q1	-	-	[+]	-
AREM0011-1	<i>Help to succeed in "Mathematical analysis 2"</i> - Eric DELHEZ - [8h REM]	B1	Q2	-	-	[+]	-
AREM0013-1	<i>Getting the year off to a good start in the Faculty of School of Engineering</i> - AnneFrance LANOTTE, Patricia TOSSINGS - [4h REM]	B1	Q1	-	-	[+]	-
IREM0001-1	<i>Adjusting working methods after the January session (reduced course loads)</i> - Amélie BASTEYNS, AnneFrance LANOTTE - [3h REM]	B1	Q2	-	-	[+]	-
IREM0002-1	<i>Getting organised in the specific context of reduced course loads</i> - Amélie AUQUIÈRE, AnneFrance LANOTTE - [2h REM]	B1	Q2	-	-	[+]	-
IREM0003-1	<i>Preparing for the Spring block and the May-June exams (reduced</i>	B1	Q2	-	-	[+]	-

<i>course loads</i> ) - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM]							
IREM0005-1	<i>Planning the second session (reduced course loads) - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM]</i>	B1	Q2	-	-	[+]	-
IREM0006-1	<i>#BloqueBooster: supervised exam revision in the Spring holidays - Stéphanie GENDARME - [5d REM]</i>	B1	Q2	-	-	[+]	-
IREM0007-1	<i>Zen@etudes: How and why to manage stress? (reduced course loads) - Sandrine WUIDART - [2h REM]</i>	B1	Q2	-	-	[+]	-
IREM0008-1	<i>Keeping or increasing motivation in a context of a reduced course loads - Céline MATHY, Sandrine WUIDART - [2h REM]</i>	B1	Q2	-	-	[+]	-
IREM0009-1	<i>Hebdo MethodO support with additional help in connection to the context of repeating a year - Sylviane HUBERT, AnneFrance LANOTTE - [5h REM]</i>	B1	TA	-	-	[+]	-
IREM0011-1	<i>Progressing effectively in the 1st term - Amélie AUQUIÈRE, AnneFrance LANOTTE - [2h REM]</i>	B1	Q1	-	-	[+]	-
IREM0012-1	<i>Preparing for the January exams: becoming familiar with the requirements and specificities of university exams - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM]</i>	B1	Q1	-	-	[+]	-
IREM0013-1	<i>Planning your January session: establishing a work programme - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM]</i>	B1	Q1	-	-	[+]	-
IREM0014-1	<i>Working effectively in the second term - Amélie BASTEYNS, AnneFrance LANOTTE - [2h REM]</i>	B1	Q2	-	-	[+]	-
IREM0015-1	<i>Adapting your organisation after the January session (fewer than 30 credits approved) - Amélie BASTEYNS, AnneFrance LANOTTE - [3h REM]</i>	B1	Q2	-	-	[+]	-
IREM0016-1	<i>Planning your May-June session (fewer than 30 credits approved) - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM]</i>	B1	Q2	-	-	[+]	-
IREM0017-1	<i>Planning your second session (fewer than 30 credits approved) - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM]</i>	B1	Q2	-	-	[+]	-
IREM0018-1	<i>Maintaining or rediscovering your motivation if you have to repeat a year (Q1) - Céline MATHY, Sandrine WUIDART - [2h REM]</i>	B1	Q1	-	-	[+]	-
IREM0019-1	<i>Zen@etudes: The hows and whys of stress management (fewer than 30 credits approved - Q1) - Sandrine WUIDART - [2h REM]</i>	B1	Q1	-	-	[+]	-
IREM0020-1	<i>Maintaining or rediscovering your motivation if you have to repeat a year (Q2) - Céline MATHY, Sandrine WUIDART - [2h REM]</i>	B1	Q2	-	-	[+]	-
IREM0021-1	<i>Zen@etudes: How and why to manage stress? (fewer than 30 credits approved - Q2) - Sandrine WUIDART - [2h REM]</i>	B1	Q2	-	-	[+]	-
LREM0005-1	<i>Taking stock of your French skills (Q2) - Marielle MARÉCHAL - [1,5h REM]</i>	B1	Q2	-	-	[+]	-
LREM0010-1	<i>Taking stock of your skills in French (Q1) - Samia HAMMAMI, Frédéric SAENEN - [15h REM]</i>	B1	Q1	-	-	[+]	-
SREM0010-1	<i>Learning support activities in Physics for Engineers - Hervé CAPS - [20h REM]</i>	B1	Q2	-	-	[+]	-