

Cycle view of the study programme

B1 Or Th Pr Au Cr

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

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| ARCH0002-1 | <i>Methodology of Architectural Projects I : functional and ergonomical composition</i> - Catherine ELSÉN, Pierre LECLERCQ - [1d FW, 100h Proj.] Corequisite : 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.] Corequisite : 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 ELSÉN - Suppl : Olivier DE WISPELAERE - [1d FW, 35h Proj.] | B1 | Q1 | 10 | 30 | [+] | 3 |
| ARCH0066-2 | <i>Architectural studio IB: architectural composition</i> - Catherine ELSÉN - [1d FW, 25h Proj.] Corequisite : 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.] Corequisite : CHIM9272-2 - Chimie 1 | B1 | Q2 | 15 | 10 | [+] | 2 |
| LANG0038-1 | <i>English</i> - Christine FILOT, ISLV, Sébastien SCHOENMAECKERS - [5h Proj.] | B1 | TA | 6 | 46 | [+] | 4 |
| MATH0002-4 | <i>Mathematical analysis 1</i> - Eric DELHEZ | B1 | Q1 | 22 | 22 | - | 4 |
| 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 | - | 5 |
| PHYS2020-2 | <i>Physics I : Mechanics</i> - Part A - Hervé CAPS - Part B (optics) - Hervé CAPS | B1 | Q1 | 20 5 | 20 - | - - | 5 |
| 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 |
| ARCH0221-1 | <i>Historical aspects of the construction of Antiquity at the start of the 19th century</i> - Philippe SOSNOWSKA | B1 | Q1 | 48 | - | - | 4 |

Engineering jobs and careers : compulsory seminars

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

A visit to a business (optional).

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| ARCH0006-2 | <i>Methodology of Architectural Projects II : bioclimatic composition</i> - Pierre LECLERCQ - [1d FW, 85h Proj.] Prerequisite : ARCH0002-1 - Méthodologie du projet architectural I : composition fonctionnelle et ergonomique | B2 | TA | 40 | 50 | [+] | 8 |
| ARCH3260-1 | <i>Architectural studio II</i> - Introduction - Catherine ELSÉN - [1d FW, 85h Proj.] - Supplement - Catherine ELSÉN - [40h Proj.] Prerequisite : 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 10 | [+] [+] | 8 |

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| ARCH0079-1 | <i>Sustainable building construction techniques II : envelope - Shady ATTIA - [40h Proj.]</i> | B2 | Q1 | 15 | 30 | [+] | 5 |
| | Corequisite : ARCH0006-2 - Méthodologie du projet architectural II : composition bioclimatique | | | | | | |
| INFO2047-1 | <i>Introduction to computer programming - Samuel HIARD</i> | B2 | Q1 | 12 | 12 | - | 3 |
| MECA0001-2 | <i>Mechanics of materials - JeanPierre JASPART - [2h Labo., 12h Proj.]</i> | B2 | Q1 | 27 | 25 | [+] | 5 |
| MATH0001-2 | <i>Graphic Communication - Eric BÉCHET</i> | B2 | Q1 | 20 | 20 | - | 3 |
| MECA0011-2 | <i>Fluid Mechanics : Basics - Michel PIROTTON - [25h Proj.]</i> | B2 | Q2 | 20 | 30 | [+] | 4 |
| | Prerequisite : PHYS2020-2 - Physique 1 : Mécanique MATH0066-1 - Compléments de mathématiques 2 | | | | | | |
| | Corequisite : MECA0001-2 - Mécanique des matériaux | | | | | | |
| MECA0012-6 | <i>Solid mechanics - Laurent DUCHENE - [15h Proj.]</i> | B2 | Q2 | 26 | 26 | [+] | 5 |
| | Prerequisite : PHYS2020-2 - Physique 1 : Mécanique MATH0013-1 - Algèbre MATH0002-4 - Analyse mathématique 1 | | | | | | |
| | Corequisite : MECA0001-2 - Mécanique des matériaux | | | | | | |
| GCIV0184-5 | <i>Building Materials - Luc COURARD, Anne HABRAKEN - [0,5d FW, 12h Labo., 12h Proj.]</i> | B2 | Q2 | 36 | 16 | [+] | 5 |
| | Prerequisite : CHIM9273-2 - Chimie 2 CHIM9272-2 - Chimie 1 | | | | | | |
| | Corequisite : MECA0012-6 - Mécanique des solides | | | | | | |
| GEOL0001-1 | <i>Geology and Engineering geology - Alain DASSARGUES - [2d FW]</i> | B2 | Q2 | 30 | 22 | [+] | 5 |
| MECA0445-2 | <i>Heat transfer (english language) - Pierre DEWALLEF, Vincent TERRAPON - [4h Labo., 9h Proj.]</i> | B2 | Q2 | 28 | 24 | [+] | 5 |
| | Prerequisite : MATH0066-1 - Compléments de mathématiques 2 MATH0002-4 - Analyse mathématique 1 | | | | | | |
| | Corequisite : MECA0011-2 - Eléments de mécanique des fluides | | | | | | |
| ARCH3276-2 | <i>Theory and history, Connaissance de l'architecture XXe siècle - Patrick BRIBOSIA</i> | B2 | Q1 | 44 | 4 | - | 4 |
| Annual study trip : guided tours on architectural and urbanistic achievements (optional). | | | | | | | |
| ARCH0009-3 | <i>Sustainable building construction techniques III: networks - Shady ATTIA - [1d FW, 45h Proj.]</i> | B3 | Q1 | 17 | 35 | [+] | 4 |
| | Prerequisite : ARCH3259-1 - Techniques de construction durable des bâtiments IB - éléments - Partie B | | | | | | |
| ARCH0017-4 | <i>Digital architectural modeling - Aurélie DE BOISSIEU, Pierre LECLERCQ - [98h Proj.]</i> | B3 | Q2 | 20 | 70 | [+] | 8 |
| ARCH3262-1 | <i>Architectural studio III A - Shady ATTIA - [1d FW, 55h Proj.]</i> | B3 | Q1 | 10 | 35 | [+] | 5 |
| | Prerequisite : ARCH3260-1 - Ateliers d'architecture II | | | | | | |
| | Corequisite : ARCH0079-1 - Techniques de construction durable des bâtiments II : Enveloppe | | | | | | |
| ARCH3263-1 | <i>Architectural studio III B - Sigrid REITER - [1d FW, 55h Proj.]</i> | B3 | Q2 | 10 | 35 | [+] | 4 |
| | Corequisite : ARCH0017-4 - Modélisation architecturale numérique ARCH0068-6 - Urbanisme et sitologie ARCH3262-1 - Ateliers d'architecture III A | | | | | | |

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|------------|--|----|----|----|----|----------|----------|
| GCIV2030-2 | <i>Structural Design of Buildings</i> - JeanMarc FRANSSEN - [40h Proj.] Prerequisite : MECA0012-6 - Mécanique des solides | B3 | Q2 | 15 | 30 | [+] | 4 |
| ARCH0068-6 | <i>Urban planning and site analysis</i> - <i>Theory</i> - Jacques TELLER - Suppl : Ngoc Luan NGUYEN - <i>Project</i> - - Suppl : Ngoc Luan NGUYEN - [30h Proj.] | B3 | Q1 | 15 | 20 | - [+] | 4 |
| GEOG0053-2 | <i>Topography, Part A</i> - Roland BILLEN | B3 | Q1 | 20 | 10 | - | 3 |
| ARCH0069-2 | <i>Project management</i> - Aurélie DE BOISSIEU Corequisite : ARCH0079-1 - Techniques de construction durable des bâtiments II : Enveloppe | B3 | Q1 | 15 | 42 | - | 2 |
| GCIV0603-2 | <i>Geotechnics and infrastructure</i> - Robert CHARLIER - [1d FW, 2h Labo.] Prerequisite : GEOL0001-1 - Géologie et géologie de l'ingénieur MECA0011-2 - Eléments de mécanique des fluides MECA0001-2 - Mécanique des matériaux | B3 | Q2 | 26 | 26 | [+] | 5 |
| GCIV0608-1 | <i>Introduction to Structures engineering</i> - JeanFrançois DEMONCEAU, Vincent DENOËL, JeanMarc FRANSSEN - [4d FW, 40h Proj.] | B3 | Q1 | 12 | 12 | [+] | 5 |
| GCIV2172-1 | <i>Metallic Elements Calculation</i> - JeanPierre JASPART - [1d FW, 10h Proj.] | B3 | Q2 | 26 | 26 | [+] | 5 |
| GCIV2173-1 | <i>Reinforced concrete (english language)</i> - Boyan MIHAYLOV - [1d FW, 10h Proj.] | B3 | Q2 | 26 | 26 | [+] | 5 |
| MATH0067-1 | <i>Introduction to statistics and probability</i> - Vincent DENOËL - [15h Proj.] Prerequisite : MATH0002-4 - Analyse mathématique 1 | B3 | Q1 | 20 | 25 | [+] | 2 |
| MECA0512-1 | <i>Thermodynamics and heat engines : applications in building industry</i> - Vincent LEMORT Prerequisite : MECA0011-2 - Eléments de mécanique des fluides MATH0002-4 - Analyse mathématique 1 | B3 | Q2 | 26 | 26 | - | 4 |

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