

Bachelor in Engineering : Architecture

The study programme is based on a combination of theory lectures, exercises, seminars and architecture studios. The main teaching domains are:

- > Architecture studio and media: 67 ECTS
- > Architecture and construction sciences: 67 ECTS
- > Mathematics: 20 ECTS
- > Mechanics, physics, ...: 30 ECTS

Bloc 1 | BA-IRAR

Cours obligatoires

ARCH-H100	Projet d'architecture I Samia BEN RAJEB (Coordinator) and Stéphane Meyrant ⌚ 20 credits [workshop: 450h, personal assignments: 150h] 📅 first and second terms 🗨️ French
ARCH-H1002	Moyens d'expression I (partim) et voyage Pierre DEJASSE DE CAFMEYER (Coordinator) ⌚ 5 credits [practical work: 48h, field trips: 30h] 📅 academic year 🗨️ French
COMM-P1303	Composition et représentation 1 : Théorie et critique d'architecture Pierre DEJASSE DE CAFMEYER (Coordinator) ⌚ 5 credits [lecture: 36h, tutorial classes: 12h, personal assignments: 12h] 📅 first and second terms 🗨️ French
LANG-H1001	Anglais I Matthew LANGSLEY (Coordinator) ⌚ 2 credits [tutorial classes: 24h] 📅 second term 🗨️ English
MATH-H1002	Analyse I Yves DE SMET (Coordinator) ⌚ 5 credits [lecture: 30h, tutorial classes: 30h] 📅 second term 🗨️ French
MATH-H1003	Algèbre linéaire et géométrie Jérémy DOHET-ERALY (Coordinator) ⌚ 8 credits [lecture: 42h, tutorial classes: 54h] 📅 first and second terms 🗨️ French
MATH-H1004	Eléments d'analyse Yves DE SMET (Coordinator) ⌚ 2 credits [lecture: 18h, tutorial classes: 6h] 📅 first term 🗨️ French
MECA-H100	Mécanique rationnelle I Alain DELCHAMBRE (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 36h] 📅 first and second terms 🗨️ French
TRAN-H100	Introduction aux sciences appliquées Dimitri GILIS (Coordinator) ⌚ 8 credits [lecture: 36h, tutorial classes: 60h] 📅 first term 🗨️ French

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Cours obligatoires

- ARCH-H200 **Projet d'architecture II** | Rika DEVOS (Coordinator)
⌚ 15 credits [workshop: 450h] 📅 first and second terms 🗨 French
- ARCH-H2003 **Représentation numérique 2D/3D en architecture et informatique** | Samia BEN RAJEB (Coordinator)
⌚ 5 credits [practical work: 60h] 📅 first term 🗨 French
- ARCH-H2005 **Théorie et Histoire de l'Architecture et voyage** | Rika DEVOS (Coordinator)
⌚ 5 credits [lecture: 48h, field trips: 30h] 📅 first and second terms 🗨 French
- ARCH-H2006 **Moyens d'expression 2 (partim) et Anglais II** | Richard ESSEX (Coordinator) and Pierre DEJASSE DE CAFMEYER
⌚ 5 credits [practical work: 60h] 📅 first and second terms 🗨 French
- CHIM-H2002 **Sciences des matériaux** | Stephane GODET (Coordinator)
⌚ 5 credits [lecture: 36h, practical work: 24h] 📅 first term 🗨 French
- CNST-H2001 **Mécanique des solides et des structures** | Philippe BOUILLARD (Coordinator)
⌚ 5 credits [lecture: 30h, tutorial classes: 30h] 📅 second term 🗨 French
- CNST-H2002 **Matériaux et construction** | Laura CERIOLO (Coordinator)
⌚ 5 credits [lecture: 48h, practical work: 12h] 📅 academic year 🗨 French
- PHYS-H1001 **Physique générale I** | Frédéric ROBERT (Coordinator)
⌚ 5 credits [lecture: 30h, tutorial classes: 12h, practical work: 12h] 📅 first term 🗨 French
- PHYS-H1002 **Physique générale II** | Pascal KOCKAERT (Coordinator)
⌚ 5 credits [lecture: 30h, tutorial classes: 12h, practical work: 12h] 📅 second term 🗨 French
- URBA-P3111 **Urbanisme et géographie urbaine** | Geoffrey Grulois (Coordinator) and Benoît MORITZ
⌚ 5 credits [lecture: 48h] 📅 first term 🗨 French

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Bloc 3 | BA-IRAR

Module 312

- ARCH-H300 **Projet d'architecture III** | Samia BEN RAJEB (Coordinator)
 19 credits [lecture: 1h, workshop: 540h]  first and second terms  French
- ARCH-Y008 **Form-active structures** | Lars DE LAET (Coordinator)
 4 credits [lecture: 12h, practical work: 36h]  second term  English
- ARCH-Y302 **Architectural and construction history of architecture pre 1850** | Stéphanie VAN DE VOORDE (Coordinator)
 4 credits [lecture: 24h, tutorial classes: 12h, practical work: 12h]  second term  English
- CNST-H302 **Soil mechanics** | Alessia Cuccurullo (Coordinator)
 5 credits [lecture: 24h, practical work: 36h]  first term  English
- CNST-H303 **Analyse de structures** | Didier Snoeck (Coordinator)
 6 credits [lecture: 36h, tutorial classes: 36h]  first term  French
- CNST-H306 **Bioclimatic design** | Ahmed Zaib KHAN MAHSUD (Coordinator)
 5 credits [lecture: 36h, practical work: 24h]  second term  English
- CNST-H311 **Technologie et comportement du béton et des matériaux cimentaires** | Stéphanie STAQUET (Coordinator)
 5 credits [lecture: 24h, tutorial classes: 12h, practical work: 24h]  second term  French
- LANG-H300 **Anglais III et voyage** | Richard ESSEX (Coordinator)
 2 credits [practical work: 12h, field trips: 12h]  first and second terms  English
- MECA-H3001 **Fluid mechanics and transfer processes** | Alessandro PARENTE (Coordinator) and Frédéric DEBASTE
 5 credits [lecture: 30h, tutorial classes: 24h]  first term  English
- PROJ-H305 **Projet de conception des structures** | Didier Snoeck (Coordinator) and Alessia Cuccurullo
 5 credits [project: 150h]  second term  French