



Bachelor in Engineering Sciences

Option Bruxelles

BA-IRCI | BA-IRCIB | 2022-2023

Bloc P | BA-IRCIB | BA-IRCI

Your selection

Choice BA-IRCI/2022/blocP/choice n° 1. This choice contains 34 courses for a total of 180 credits.

CHIM-H1001	Chimie générale et procédés durables Philippe BOGAERTS (Coordinator) and Benoît HAUT ⌚ 10 credits [lecture: 60h, tutorial classes: 36h, practical work: 24h] 📅 first and second terms 🗨 French
INFO-H100	Informatique Thierry MASSART (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 24h, practical work: 12h] 📅 first term 🗨 French
LANG-H1001	Anglais I Matthew LANGSLEY (Coordinator) ⌚ 2 credits [tutorial classes: 24h] 📅 second term 🗨 English
MATH-H1001	Eléments d'algèbre et d'analyse Jérémy DOHET-ERALY (Coordinator) and Yves DE SMET ⌚ 5 credits [lecture: 30h, tutorial classes: 30h] 📅 first term 🗨 French
MATH-H1002	Analyse I Yves DE SMET (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 36h] 📅 second term 🗨 French
MATH-H1003	Algèbre linéaire et géométrie Jérémy DOHET-ERALY (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 36h] 📅 second term 🗨 French
MECA-H100	Mécanique rationnelle I Alain DELCHAMBRE (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 36h] 📅 first and second terms 🗨 French
PHYS-H1001	Physique générale I Marc HAELTERMAN (Coordinator) ⌚ 5 credits [lecture: 28h, tutorial classes: 12h, practical work: 12h] 📅 first term 🗨 French
PHYS-H1002	Physique générale II Marc HAELTERMAN (Coordinator) ⌚ 5 credits [lecture: 32h, tutorial classes: 12h, practical work: 12h] 📅 second term 🗨 French
TRAN-H100	Introduction aux sciences appliquées Dimitri GILIS (Coordinator) ⌚ 8 credits [lecture: 36h, tutorial classes: 60h] 📅 first term 🗨 French
TRAN-H101	Projet multidisciplinaire I Marc HAELTERMAN (Coordinator) ⌚ 5 credits [practical work: 12h, project: 48h] 📅 academic year 🗨 French
CHIM-H2001	Chimie physique, matériaux et fabrication, y compris les visites d'usine Stéphane GODET (Coordinator), Frédéric DEBASTE and Patrick HENDRICK ⌚ 10 credits [lecture: 60h, tutorial classes: 12h, practical work: 48h] 📅 academic year 🗨 French
CNST-H2001	Mécanique des solides et résistance des matériaux Philippe BOUILLARD (Coordinator) ⌚ 5 credits [lecture: 30h, tutorial classes: 30h] 📅 second term 🗨 French
ELEC-H2001	Electricité Frédéric ROBERT (Coordinator) ⌚ 5 credits [lecture: 18h, tutorial classes: 18h, practical work: 24h] 📅 first term 🗨 French



INFO-H2001	Programmation orientée objet Hugues BERSINI (Coordinator) ⌚ 5 credits [lecture: 30h, tutorial classes: 30h] 📅 second term 🗨 French
LANG-H2002	Anglais II Matthew LANGSLEY (Coordinator), Marco Vins DELLA MOTTA and Kelsey HULL ⌚ 3 credits [lecture: 24h, tutorial classes: 12h] 📅 first term 🗨 English
MATH-H2000	Analyse II Jérémie ROLAND (Coordinator) and Thomas LESSINNES ⌚ 8 credits [lecture: 48h, tutorial classes: 48h] 📅 first and second terms 🗨 French
MATH-H2002	Calcul des probabilités et statistiques Yves DE SMET (Coordinator) ⌚ 5 credits [lecture: 30h, tutorial classes: 30h] 📅 first term
MATH-H202	Analyse numérique Artem NAPOV (Coordinator) ⌚ 4 credits [lecture: 24h, tutorial classes: 24h] 📅 second term 🗨 French
MECA-H200	Mécanique rationnelle II Pierre LAMBERT (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 24h, practical work: 12h] 📅 first term 🗨 French
PHYS-H200	Physique quantique et statistique Jean-Marc SPARENBERG (Coordinator) ⌚ 5 credits [lecture: 36h, tutorial classes: 24h] 📅 second term 🗨 French
TRAN-H201	Projet multidisciplinaire II et gestion de projet Jérémie ROLAND (Coordinator) and Patrick SIMON ⌚ 5 credits [practical work: 12h, project: 120h] 📅 academic year 🗨 French
ELEC-H3001	Electricité appliquée Pierre HENNEAUX (Coordinator) ⌚ 5 credits [lecture: 30h, tutorial classes: 6h, practical work: 24h] 📅 first term 🗨 French
MATH-H3001	Signaux et systèmes Michel KINNAERT (Coordinator) ⌚ 5 credits [lecture: 30h, tutorial classes: 30h] 📅 first term 🗨 French
MECA-H3001	Fluid mechanics and transfer processes Alessandro PARENTE (Coordinator), Frédéric DEBASTE and Richard ESSEX ⌚ 5 credits [lecture: 30h, tutorial classes: 24h] 📅 first term 🗨 English
MECA-H301	Systèmes énergétiques : principes de bases et technologies durables Axel Coussement (Coordinator) and Alessandro PARENTE ⌚ 5 credits [lecture: 30h, tutorial classes: 14h, practical work: 16h] 📅 first term 🗨 French
TRAN-H3001	Epistémologie des sciences et éthique de l'ingénieur Céline KERMISCH (Coordinator) ⌚ 5 credits [lecture: 36h, seminars: 12h, personal assignments: 12h] 📅 second term 🗨 French
ELEC-H301 (option)	Electronique appliquée François QUITIN (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 12h, practical work: 24h] 📅 first term 🗨 French
ELEC-H304 (option)	Physique des télécommunications Philippe DE DONCKER (Coordinator) ⌚ 5 credits [lecture: 36h, tutorial classes: 12h, practical work: 12h] 📅 second term 🗨 French
ELEC-H305 (option)	Circuits logiques et numériques Dragomir MILOJEVIC (Coordinator) ⌚ 5 credits [lecture: 30h, tutorial classes: 30h] 📅 first term 🗨 French
ELEC-H309 (option)	Projet intégré Frédéric ROBERT (Coordinator), Dragomir MILOJEVIC, Antoine NONCLERCQ and François QUITIN ⌚ 5 credits [project: 150h] 📅 second term 🗨 French
ELEC-H311 (option)	Signaux et systèmes de télécommunications François HORLIN (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 12h, practical work: 24h] 📅 first term 🗨 French
ELEC-H314 (option)	Instrumentation et électronique analogique Antoine NONCLERCQ (Coordinator) and François QUITIN ⌚ 5 credits [lecture: 36h, practical work: 24h] 📅 second term 🗨 French
MATH-H304 (option)	Automatique Michel KINNAERT (Coordinator) ⌚ 5 credits [lecture: 30h, practical work: 30h] 📅 second term 🗨 French