







Bachelor in Engineering Sciences

Option Charleroi

BA-IRCI | BA-IRCIC | 2024-2025

Bloc 1 | BA-IRCIC | BA-IRCI

Programme

- CHIM-H1702 **Chimie : science de la matière et de ses transformations** | Jérôme Dohet-Eraly (Coordinator)
7 credits [lecture: 48h, tutorial classes: 24h, practical work: 12h]  first and second terms  French
- MATH-H1700 **Sciences pour l'ingénieur** | Thomas LESSINNES (Coordinator)
6 credits [lecture: 24h, tutorial classes: 48h]  first term  French
- PHYS-H1701 **Physique générale** | Guillaume LENOIR (Coordinator)
7 credits [lecture: 36h, tutorial classes: 24h, practical work: 24h]  second term  French

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Bloc 2 | BA-IRCIC | BA-IRCI

Programme

- INFO-H201 **Programmation orientée objet** | Matthieu AERSSENS (Coordinator)
⌚ 4 credits [lecture: 18h, practical work: 30h] 📅 second term 🗨 French
- MATH-H203 **Mathématiques pour l'ingénieur III** | Thomas LESSINNES (Coordinator)
⌚ 5 credits [lecture: 30h, tutorial classes: 30h] 📅 first term 🗨 French
- MATH-H204 **Analyse numérique** | Jérémy DOHET-ERALY (Coordinator)
⌚ 4 credits [lecture: 24h, practical work: 24h] 📅 first term 🗨 French
- MECA-H202 **Mécanique rationnelle II** | Charles CUVELLIEZ (Coordinator)
⌚ 5 credits [lecture: 24h, tutorial classes: 24h, practical work: 12h] 📅 first term 🗨 French
- PROJ-H201 **Projet multidisciplinaire 2** | Michel KINNAERT (Coordinator)
⌚ 6 credits [workshop: 72h] 📅 second term 🗨 French
- STAT-H201 **Probabilités et statistiques** | Thomas LESSINNES (Coordinator)
⌚ 5 credits [lecture: 30h, tutorial classes: 30h] 📅 second term 🗨 French

Bloc 3 | BA-IRCIC | BA-IRCI

Programme

- ECON-H3701 **Controverses socio-techniques** | Céline KERMISCH (Coordinator)
⌚ 2 credits [lecture: 24h] 📅 second term 🗨️ French
- ELEC-H3700 **Electronique et Instrumentation** | Jean-François Determe (Coordinator)
⌚ 4 credits [lecture: 24h, tutorial classes: 12h, practical work: 12h] 📅 first term 🗨️ French
- ELEC-H3704 **Théorie des circuits** | Jean-François Determe (Coordinator)
⌚ 4 credits [lecture: 18h, tutorial classes: 10h, practical work: 20h] 📅 first term 🗨️ French
- GEST-H3710 **Fouille des données et apprentissage automatique** | Olivier CAELEN (Coordinator)
⌚ 3 credits [lecture: 24h, tutorial classes: 12h] 📅 second term 🗨️ French
- INFO-H3703 **Systèmes d'exploitation** | Elie JESURAN (Coordinator)
⌚ 4 credits [lecture: 18h, tutorial classes: 30h] 📅 second term 🗨️ French
- MECA-H3705 **Mécanique du Solide et des Structures** | Stéphanie STAQUET (Coordinator)
⌚ 5 credits [lecture: 30h, tutorial classes: 24h, practical work: 6h] 📅 first term 🗨️ French
- PHYS-H3706 **Physique des télécommunications** | Jean-François Determe (Coordinator)
⌚ 4 credits [lecture: 24h, practical work: 12h, project: 12h] 📅 second term 🗨️ French
- PHYS-H3707 **Signaux et systèmes de télécommunication** | Jean-François Determe (Coordinator)
⌚ 4 credits [lecture: 24h, practical work: 12h, project: 12h] 📅 second term 🗨️ French
- PHYS-H3708 **Circuits logiques et numériques** | Jean-François Determe (Coordinator)
⌚ 4 credits [lecture: 24h, practical work: 12h, project: 12h] 📅 second term 🗨️ French
- PROJ-H3702 **Projet multidisciplinaire 3** | Jean-François Determe (Coordinator)
⌚ 6 credits [lecture: 6h, project: 72h] 📅 second term 🗨️ French