



STUDY PROGRAMME 2025-2026

Français



Faculty of Engineering
Bachelor's in Engineering:
Architectural Engineering
(MONS) (day schedule)

- Panel Chairperson : Véronique FELDHEIM
- Panel Secretary : Laurent DEBAILLEUX

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BLOC 1

		Hours (*)					Term CreditsWeight.		
		HT(*)	HTPE(*)	HTPS(*)	HD(*)	HR(*)	Total		
Courses required									
UE	UI-B1-IRCIVA-001-M Introduction to Architectural Engineering Skills	48	12	0	0	0	60	Q2	5 5
UE	UI-B1-IRCIVA-002-M Differential Geometry, Technical Drawings and Computer Graphics	24	28	0	0	8	60	Q1	5 5
UE	UI-B1-IRCIVA-003-M Engineering Mathematics 1	44	44	0	0	8	96	Q1	8 8
UE	UI-B1-IRCIVA-004-M Engineering Mathematics 2	32	32	0	0	8	72	Q2	6 6
UE	UI-B1-IRCIVA-005-M Theoretical Mechanics I	39	36	0	0	9	84	Q1,Q2	7 7
UE	UI-B1-IRCIVA-006-M General Physics	32	28	0	0	0	60	Q1,Q2	5 5
UE	UI-B1-IRCIVA-007-M Architecture & Philosophy	90	6	0	0	0	96	Q1,Q2	8 8
UE	UI-B1-IRCIVA-008-M Architecture Project & Graphic Communication	0	84	0	0	0	84	Q1	7 7
UE	UI-B1-IRCIVA-009-M Architecture Project & Oral Communication	12	72	0	0	0	84	Q2	7 7
UE	UI-B1-IRCIVA-011-M English for Engineers 1	36	0	0	0	0	36	Q1,Q2	2 2
Méthodologie du travail universitaire									
UE	UI-B1-IRCIVA-100-M Academic Learning Skills - Q1	0	50	40	0	0	90	Q1	
UE	UI-B1-IRCIVA-200-M Academic Learning Skills - Q2	0	75	40	0	0	115	Q2	
Remedical teaching									
UE	UI-B1-IRCIVA-701-M Academic Learning Skills - Q1	0	50	40	0	0	90	Q1	
UE	UI-B1-IRCIVA-702-M Aide à la réussite - Q2	0	75	40	0	0	115	Q2	
								60	

BLOC 2

		Hours (*)					Term CreditsWeight.		
		HT(*)	HTPE(*)	HTPS(*)	HD(*)	HR(*)	Total		

Courses required

UE UI-B2-IRCIVA-001-M <u>Integrated Architecture Project and Sustainable Design</u> Pr Co	12	72	0	0	0	84	Q1	7	7
UE UI-B2-IRCIVA-002-M <u>Integrated Architecture Project and Structural Design</u> Co	12	72	0	0	0	84	Q2	7	7
UE UI-B2-IRCIVA-003-M <u>Architecture in Context</u> Pr	68	4	0	0	0	72	Q1	6	6
UE UI-B2-IRCIVA-004-M <u>Structural Mechanics</u> Pr	32	40	0	0	0	72	Q1	6	6
UE UI-B2-IRCIVA-005-M <u>Architectonique et technologie du gros-oeuvre y compris stage de terrain</u>	42	30	36	0	0	108	Q2	6	6
UE UI-B2-IRCIVA-016-M <u>Geology of surface formations</u>	16	8	0	12	0	36	Q2	2	2
UE UI-B2-IRCIVA-026-M <u>Materials and sustainable development</u>	36	12	0	3	0	51	Q2	4	4
UE UI-B2-IRCIVA-008-M <u>Data Structures and Algorithms</u>	22	30	0	0	8	60	Q2	5	5
UE UI-B2-IRCIVA-009-M <u>Applied Mathematics</u> Pr Co	24	12	0	0	0	36	Q1	3	3
UE UI-B2-IRCIVA-010-M <u>Theoretical Mechanics II</u> Pr Co	30	30	0	0	0	60	Q1	5	5
UE UI-B2-IRCIVA-011-M <u>Thermodynamics</u> Co	36	36	0	0	0	72	Q1,Q2	6	6
UE UI-B2-IRCIVA-013-M <u>English for Engineers II</u> Pr	48	0	0	0	0	48	Q1,Q2	3	3

60

BLOC 3

Hours (*) Term CreditsWeight.
HT(*)HTPE(*)HTPS(*)HD(*)HR(*)Total

Courses required

UE UI-B3-IRCIVA-001-M <u>Projet d'architecture 5 - Equipements collectifs</u> Pr Co	12	72	0	0	0	84	Q1	7	7
UE UI-B3-IRCIVA-002-M <u>Projet intégré d'architecture et Interventions dans l'existant</u> Co	12	72	0	0	0	84	Q2	7	7
UE UI-B3-IRCIVA-003-M <u>Contemporary Architecture in Given Contexts</u> Pr	36	0	0	36	0	72	Q2	3	3
UE UI-B3-IRCIVA-004-M <u>Urban Planning</u>	24	0	0	0	0	24	Q1	2	2
UE UI-B3-IRCIVA-005-M <u>Structural Mechanics and Finite Element</u>	36	36	0	0	0	72	Q1	6	6

<u>Method</u> 										
 UI-B3-IRCIVA-006-M <u>Stability of Buildings - Part 1</u> 	24	12	0	0	0	36	Q1	3	3	
 UI-B3-IRCIVA-007-M <u>Stability of Buildings - Part 2</u>  	36	12	0	0	0	48	Q2	4	4	
 UI-B3-IRCIVA-008-M <u>Architectonics and Completions Technology</u> 	36	12	0	0	0	48	Q1	4	4	
 UI-B3-IRCIVA-009-M <u>Heat Transfer in Buildings</u> 	30	18	0	0	0	48	Q1	4	4	
 UI-B3-IRCIVA-010-M <u>Buildings Electricity</u> 	14	10	0	0	0	24	Q2	2	2	
 UI-B3-IRCIVA-011-M <u>Materials and Ecodesign</u> 	30	30	0	0	0	60	Q2	5	5	
 UI-B3-IRCIVA-012-M <u>Elements of Chemistry and Water Treatments</u>	32	10	0	6	0	48	Q1	4	4	
 UI-B3-IRCIVA-013-M <u>Topography</u>  	12	12	0	0	0	24	Q2	2	2	
 UI-B3-IRCIVA-014-M <u>Businesses on the Market</u>	24	0	0	0	0	24	Q2	2	2	
 UI-B3-IRCIVA-015-M <u>Probability and Statistics</u>  	16	8	0	0	0	24	Q2	2	2	
 UI-B3-IRCIVA-016-M <u>English for Engineering III</u> 	24	24	0	0	0	48	Q1,Q2	3	3	
Enseignements complémentaires								0		
 UI-B3-IRCIVA-722-M <u>Scientific Topics in Engineering</u>	0	0	0	0	0	0	Y	2	2	
 UI-B3-IRCIVA-723-M <u>Advanced Scientific Topics in Engineering</u>	0	0	0	0	0	0	Y	3	3	
								60		

(*) HT : Hours of theory - HTPÉ : Hours of in-class exercises - HTPS : hours of practical work - HD : HMiscellaneous time - HR : Hours of remedial classes. - Per. (Period), Y=Year, Q1=1st term et Q2=2nd term

Please note, the course titles given here are translations of the original titles and are provided in English for information only. In order to know in which language the course will be taught, please refer to the French page. There, the titles provided in French indicate that the course is taught in French and the titles provided in English indicate that the course is taught in English.

[More information on Higher Education Structure \('Paysage' Decree\)](#)

Date de génération : 05/09/2025
20, place du Parc, B7000 Mons - Belgique
Tél: +32 (0)65 373111
Courriel: info.mons@umons.ac.be