Study programme 2025-2026

Français

Faculty of Engineering
Master's in Architectural Engineering : Specialist Focus (MONS) (day schedule)

Show AAs

Bloc 1

	Hours (*)						Term	Credits	Weight.
	HT(*)	HTPE(*)	HTPS(*)	HD(*)	HR(*)	Total			
Enseignements obligatoires									
UE UI-M1-IRARCH-001-M **Project of Architecture - Main project 1**	12	72	0	0	0	84	Q1	7	7
UE UI-M1-IRARCH-002-M **Project of Architecture - Main project 2**	0	84	0	0	0	84	Q2	7	7
UE UI-M1-IRARCH-003-M **Lighting and Building Acoustics**	24	24	0	0	0	48	Q1	4	4
UE UI-M1-IRARCH-004-M **Air Conditioning in Buildings**	24	12	0	0	0	36	Q1	3	3
UE UI-M1-IRARCH-005-M **Advanced Architectonic Composition 1 and Study Trip**	24	0	0	36	0	60	Q2	2	2
UE UI-M1-IRARCH-006-M **Subsurface Intervention - Part 1**	24	12	0	0	0	36	Q1	3	3
UE UI-M1-IRARCH-007-M **Subsurface Intervention - Part 2** Co	30	18	0	0	0	48	Q2	4	4
UE UI-M1-IRARCH-008-M **Stability of Builldings - Part 3**	24	36	0	0	0	60	Q1	5	5
UE UI-M1-IRARCH-009-M **Industrial Design**	9	15	0	0	0	24	Q2	2	2
UE UI-M1-IRARCH-010-M **Urbanisme II**	24	0	0	0	0	24	Q1	2	2
UE UI-M1-IRARCH-021-M **Preliminary studies 1**	24	12	0	0	0	36	Q2	3	3
UE UI-M1-IRARCH-013-M **Machine Design and Manufacturing Technology**	24	0	0	0	0	24	Q1	2	2
UE UI-M1-IRARCH-014-M **Social Laws**	36	0	0	0	0	36	Q2	3	3
UE UI-M1-IRARCH-015-M **Company Profitability**	24	0	0	0	0	24	Q1	2	2
UE UI-M1-IRARCH-016-M **Entering the professional world**	0	8	0	0	0	8	Q1		
UE UI-M1-IRARCH-022-M **Sustainable design and model**	26	10	0	0	0	36	Q1	3	3
Options								8	
Option - Utilisation durable de l'énergie dans les bâtiments									
UE UI-M1-IRARCH-101-M **Sustainable Energy Use in Buildings**	28	20	0	0	0	48	Q2	4	4
UE UI-M1-IRARCH-102-M **Integration of Renewable Energy Systems - Passive Solar Energy**	30	18	0	0	0	48	Q2	4	4

Option - Ingénierie du bâtiment

UI-M1-IRARCH-201-M **Engineering Vibration and Structural Analysis**	30	6	0	0	0	36	Q2	3	3
UI-M1-IRARCH-202-M **Research: Buildings**	48	12	0	0	0	60	Q2	5	5

60

Bloc 2

	Hours (*)						Term	Credits	Weight.
	HT(*)	HTPE(*)	HTPS(*)	HD(*)	HR(*)	Total			
Enseignements obligatoires									
UI-M2-IRARCH-003-M **Building Pathology**	12	12	0	0	0	24	Q1	2	2
UI-M2-IRARCH-004-M **Urban Planning Workshop**	0	24	0	0	0	24	Q1	2	2
UI-M2-IRARCH-005-M **Advanced Architectonic Composition 2**	24	0	0	0	0	24	Q1	2	2
UI-M2-IRARCH-017-M **Etudes préalables 2**	18	18	0	0	0	36	Q1	3	3
UI-M2-IRARCH-016-M **Resource and risk management**	30	18	0	0	0	48	Q1	4	4
Options								7	
Option - Utilisation durable de l'énergie dans les bâtiments									
UI-M2-IRARCH-101-M **Sustainable energy production and use in buildings**	12	72	0	0	0	84	Q1	7	7
Option - Ingénierie du bâtiment									
UI-M2-IRARCH-201-M **Architecture Project - Building Engineering**	12	72	0	0	0	84	Q1	7	7
Opening Modules								10	
Modules d'ouverture internationaux									
UI-M2-IRARCH-401-M **Crédits d'Engagement Etudiant (CrEE) - International I**	0	0	0	0	0	0	Y	2	2
UI-M2-IRARCH-402-M **Crédits d'Engagement Etudiant (CrEE) - International II**	0	0	0	0	0	0	Y	3	3
UI-M2-IRARCH-403-M **Development Cooperation**	0	0	0	0	0	0	Y	5	5
UI-M2-IRARCH-404-M **Intercultural Relations**	24	0	0	0	0	24	Q2	2	2
UI-M2-IRARCH-405-M **International Relations**	36	0	0	0	0	36	Q2	3	3
UI-M2-IRARCH-411-M **Elementary German 1**	20	8	0	0	0	28	Q1	2	2
UI-M2-IRARCH-412-M **Elementary German 2**	20	8	0	0	0	28	Q2	3	3
UI-M2-IRARCH-421-M **Elementary Spanish 1**	20	8	0	0	0	28	Q1	2	2
UI-M2-IRARCH-422-M **Elementary Spanish 2**	20	8	0	0	0	28	Q2	3	3

UE UI-M2-IRARCH-431-M **Elementary Dutch 1**	20	8	0	0	0	28	Q1	2	2
UE UI-M2-IRARCH-432-M **Elementary Dutch 2**	20	8	0	0	0	28	Q2	3	3
UE UI-M2-IRARCH-433-M **Nederlands voor het bedrijfsleven 1**	0	0	0	0	0	0		5	5
UE UI-M2-IRARCH-491-M **Mobility Stays Abroad: Study Period or a Traineeship**	0	0	0	0	0	0	Y	5	5
UE UI-M2-IRARCH-492-M **Presenting Master Thesis in English**	0	0	0	0	0	0	Y	2	2
UE UI-M2-IRARCH-493-M **Writing a TFE in an English-speaking context**	0	0	0	0	0	0	Y	3	3
Management Module									
UE UI-M2-IRARCH-501-M **Crédits d'Engagement Etudiant (CrEE) - SHES I**	0	0	0	0	0	0	Y	2	2
UE UI-M2-IRARCH-502-M **Crédits d'Engagement Etudiant (CrEE) - SHES II**	0	0	0	0	0	0	Y	3	3
UE UI-M2-IRARCH-503-M **Business strategy tools**	42	18	0	0	0	60	Q2	5	5
UE UI-M2-IRARCH-590-M **ESW with Stay in a Research Center or in a Company**	0	0	0	0	0	0	Y	5	5
UE UI-M2-IRARCH-591-M **Work Placement - Additional Period**	0	0	0	0	0	0	Q1	5	5
UE UI-M2-IRARCH-505-M **Creative Teams Management**	30	30	0	0	0	60	Q1	5	5
UE UI-M2-IRARCH-506-M **Social Responsability of the Engineer**	24	36	0	0	0	60	Q2	5	5
Module technique Architecte									
UE UI-M2-IRARCH-601-M **Crédits d'Engagement Etudiant (CrEE) - Métier I**	0	0	0	0	0	0	Y	2	2
UE UI-M2-IRARCH-602-M **Crédits d'Engagement Etudiant (CrEE) - Métier II**	0	0	0	0	0	0	Y	3	3
UE UI-M2-IRARCH-618-M **Workshop Wood Architecture**	0	60	0	0	0	60	Y	5	5
UE UI-M2-IRARCH-619-M **Impacts des ouvrages souterrains sur l'urbanisme**	24	36	0	0	0	60	Q2	5	5
UE UI-M2-IRARCH-620-M **Energy Economics**	20	16	0	0	0	36	Q1	3	3
UE UI-M2-IRARCH-621-M **Project in Energy Economics** Co	0	0	24	0	0	24	Q2	2	2
Optional courses								0	
UE UI-M2-IRARCH-722-M **Scientific and Technological Topics in Architectural Engineering**	0	0	0	0	0	0	Y	2	2
UE UI-M2-IRARCH-723-M **Advanced Scientific and Technological Topics in Architectural Engineering**	0	0	0	0	0	0	Y	3	3

Language lessons for ERAMUS non French native speakers								0	
UE UI-M2-IRARCH-901-M **French as foreign language 1**	60	0	0	0	0	60	Q1	5	5
UE UI-M2-IRARCH-902-M **French as a Foreign Language 2**	60	0	0	0	0	60	Q2	5	5
Enseignements de la finalité spécialisée									
UE UI-M2-IRARFS-001-M **Master Thesis**	0	0	0	0	0	0	Y	20	20
UE UI-M2-IRARFS-002-M **Work Placement** Co	0	0	0	0	0	0	Q1	10	10
								60	

(*) HT : Hours of theory - HTPE : Hours of in-class exercices - 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)

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