Study Programme

Academic year 2025-2026

Faculty of Engineering and Architecture
Master of Science in Engineering: Architecture

Language of instruction: Dutch
Programme version 1

1 General Courses — 54 credits

1.1 Module Practices — 20 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E076621	Principles of Law and Construction Law	3		1	A:1	90
		Jelle Laverge -- Department of Architecture and Urban Planning					
2	E081810	Transformation: from Theory to Practice of Change [en]	3		1	A:2	90
		Joachim Declerck -- Department of Architecture and Urban Planning					
3	E083940	Professional Practice: Deontology for the Architect Engineer	5		2	A:2	150
		Jan Moens -- Department of Architecture and Urban Planning					

1.1.1 Master Studio 1

Subscribe to 9 credit units from the following list.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E081910	Master Studio 1: Tectonics and Building Systems [en, nl]	9		1	A:1	270
		Jan Moens -- Department of Architecture and Urban Planning					
2	E081920	Master Studio 1: a Layered Modernity	9		1	A:1	270
		Dirk De Meyer -- Department of Architecture and Urban Planning					
3	E081930	Master Studio 1: Interiors and Cities [en, nl]	9		1	A:1	270
		Dirk Somers -- Department of Architecture and Urban Planning					
4	E081940	Master Studio 1: Architecture, City and Transition [en, nl]	9		1	A:1	270
		Annekatrien Verdickt -- Department of Architecture and Urban Planning					

1.2 Module Aspects — 21 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E051180	Building Acoustics and Lighting [en]	4		1	A:1	120
		Marcelo Blasco Enbrie -- Department of Architecture and Urban Planning					
2	E081820	Software-supported Design of 2D Concrete Elements [en]	4		1	A:1	120
		Roman Wan-Wendner -- Department of Structural Engineering and Building Materials					
3	E081830	Performance-based design: Fire Protection of Buildings [en]	4		1	A:2	120
		Bart Merci -- Department of Structural Engineering and Building Materials					
4	E081950	Master Studio 2: Taking Stock [nl, en]	9		1	A:2	270
		Kristiaan Borret -- Department of Architecture and Urban Planning					

1.3 Module Positions — 13 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E081840	Architecture, Discourse and Mediality	4		1	A:2	120
		Maarten Van Den Driessche -- Department of Architecture and Urban Planning					
2	E081960	Master Studio 3: Wicked Problem	9		2		270

2 Elective Courses — 42 credits

Subscribe to 42 credit units from 3 modules from the following list. Subject to approval by the faculty.
Divided as follows:
- 20 ECTS in year 1
- 22 ECTS in year 2

2.1 Specialist Modules   24 credits

2.1.1 Module Materials and Service Life

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E080071	Construction Ecologies	5	m		A:1	150
		Lionel Devlieger -- Department of Architecture and Urban Planning					
2	E081860	Durability of Building Materials [en]	3	m		A:1	90
		Kim Verbeken -- Department of Materials, Textiles and Chemical Engineering					
3	E081850	Life Cycle Assessment of Buildings	4	m		A:2	120
		Marijke Steeman -- Department of Architecture and Urban Planning					

2.1.2 Module Housing and Urban Transformation

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E081870	Histories of the Housing Question [en]	4	w		A:1	120
		Anne Kockelkorn -- Department of Architecture and Urban Planning					
2	E081880	Real Estate and Project Development	5	w		A:1	150
		Nathan Van Den Bossche -- Department of Architecture and Urban Planning					
3	E081890	Energy Transition of Buildings [en]	3	w		A:2	90
		Arnold Janssens -- Department of Architecture and Urban Planning					

2.1.3 Module Public Buildings and Landscapes

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E081420	Architectural Criticism: Public Buildings [en]	4	p		A:2	120
		Maarten Liefooghe -- Department of Architecture and Urban Planning					
2	E081430	Urban Analysis and Design [en]	4	p		A:1	120
		Michiel Dehaene -- Department of Architecture and Urban Planning					
3	E081440	Landscape Ecology	4	p		A:1	120
		Hans Vandermaelen -- Department of Civil Engineering					

2.1.4 Module Structure and Building

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E081450	Connections and Built-up Structural Members [en]	4	s		A:1	120
		Robby Caspeele -- Department of Structural Engineering and Building Materials					
2	E081460	Positions in Engineering Design and Architecture [en]	4	s		A:1	120
		Johan Lagae -- Department of Architecture and Urban Planning					
3	E081470	Geotechnics	4	s		A:2	120
		Wim Haegeman -- Department of Civil Engineering					

2.1.5 Module Comfort and Climate

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E081480	Climate, Architecture and the City: a History [en]	3	c		A:1	90
		Johan Lagae -- Department of Architecture and Urban Planning					
2	E081490	Building Performance Simulation	4	c		A:1	120
		Arnold Janssens -- Department of Architecture and Urban Planning					
3	E081380	Sustainable Energy Concepts for Buildings	5	c		A:2	150
		Wim Boydens -- Department of Architecture and Urban Planning					

2.2 Research Seminars   10 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E081610	Research Seminar: Materials and Service Life [en, nl]	5	m		B:2, A:1	150
		Lionel Devlieger -- Department of Architecture and Urban Planning					

Nr	Course		CRDT	Ref	MT1	Session	Study
2	E081620	Research Seminar: Housing and Urban Transformation [en, nl]	5	w		A:1, B:2	150
		Arnold Janssens -- Department of Architecture and Urban Planning					
3	E081630	Research Seminar: Public Buildings and Landscapes [en, nl]	5	p		B:2, A:1	150
		Michiel Dehaene -- Department of Architecture and Urban Planning					
4	E081640	Research Seminar: Structure and Building [en, nl]	5	s		B:2, A:1	150
		Nathan Van Den Bossche -- Department of Architecture and Urban Planning					
5	E081650	Research Seminar: Comfort and Climate [en, nl]	5	c		A:1, B:2	150
		Jelle Laverge -- Department of Architecture and Urban Planning					
6	E081660	Research Seminar: Architecture	5			A:1, B:2	150
		Wouter Davidts -- Department of Architecture and Urban Planning					

2.3 Free Elective Courses   8 credits

Subscribe to 8 credit units from the modules from the following list. Subject to approval by the faculty.

2.3.1 Other Specialist Module

Courses from another elective specialist module within the programme (module 2.1).

2.3.2 Elective Courses Exact and Engineering Sciences

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E084953	Urban Sound [en]	3			A:1	90
		Dick Botteldooren -- Department of Information Technology					
2	E052630	Prefabricated Concrete Constructions [en]	3			A:1	90
		Stijn Matthys -- Department of Structural Engineering and Building Materials					
3	E050720	Diagnosis and Repair of Buildings [en]	3			A:1	90
		Stijn Matthys -- Department of Structural Engineering and Building Materials					
4	E078010	Technology and Environment [en]	3			A:1	90
		Luc Martens -- Department of Information Technology					
5	E078310	Sustainable Use of Materials: Metals	3			A:1	90
		Kim Verbeken -- Department of Materials, Textiles and Chemical Engineering					
6	E086611	Mobility, Spatial Planning and Urban Design of Infrastructure	3			A:1	90
		Filip Boelaert -- Department of Civil Engineering					
7	E085740	Instruments for Spatial Policy	3			A:1	90
		Ann Pisman -- Department of Civil Engineering					
8	E099210	Essentials of Artificial Intelligence: a Beginner's Guide [en]	3	UKV		A:1	90
		Joni Dambre -- Department of Electronics and Information Systems					
9	C003080	Programming [en]	5	UKV		C:1	150
		Peter Dawyndt -- Department of Mathematics, Computer Science and Statistics					
10	E061502	Spatial Structures [en]	6			A:1	180
		Jan Belis -- Department of Structural Engineering and Building Materials					
11	E044631	Glass and Facade Structures [en]	3			A:2	90
		Jan Belis -- Department of Structural Engineering and Building Materials					
12	E052621	Concrete Structures: Prestressed Concrete and Slabs [en]	3			D:2	90
		Roman Wan-Wendner -- Department of Structural Engineering and Building Materials					
13	E051800	Contemporary Challenges in Civil Engineering: Capita Selecta [en, nl]	3			A:2	90
		Robby Caspeele -- Department of Structural Engineering and Building Materials					
14	E065480	Life Cycle Assessment of Materials and Structures [en]	3			A:2	90
		Nele De Belie -- Department of Structural Engineering and Building Materials					
15	E084970	Integrated Approach to Water Management and Environmental Policy	3			A:2	90
		Renaat De Sutter -- Department of Civil Engineering					
16	C002660	Introduction to Geotechnics [en]	3			A:2	90
		Herman Peiffer -- Department of Civil Engineering					
17	E080830	Information Management in Architecture and Construction [nl, en]	3			A:2	90
		Paulus Present -- Department of Architecture and Urban Planning					
18	E080823	Digital Design 3: Advanced Modeling Techniques	3			A:2	90
		Ruben Verstraeten -- Department of Architecture and Urban Planning					
19	E050923	Structural Reliability and Risk Analysis [en]	4			A:2	120
		Robby Caspeele -- Department of Structural Engineering and Building Materials					

Nr		Course		CRDT	Ref	MT1	Session	Study
20	E039060	Sustainable Energy and Rational Use of Energy [en]		4			A:2	120
		Filip Strubbe -- Department of Electronics and Information Systems						
21	I002706	Wood Technology: Wood Processing and Forest Products [en]		5			A:2	150
		Joris Van Acker -- Department of Environment						
22	E037830	Basics of Health and Safety at Work for Engineers		3			A:1	90
		Sofie Van Volsem -- Department of Industrial Systems Engineering and Product Design						

2.3.3 Elective Courses Social and Behavioural Sciences

Nr	Course			CRDT	Ref	MT1	Session	Study
1	C003532	Urbanization in Global Perspective [en]		3			B:2	90
		Ben Derudder -- Department of Geography						
2	C003624	Population and Urban Geography		5			A:1	150
		Maite Dewinter -- Department of Geography						
3	K000984	Structure and Conflict in the Global South		6			A:2	180
		Koenraad Bogaert -- Department of Conflict and Development Studies						
4	A000677	Introduction to Anthropology		3			A:2	90
		Hugo DeBlock -- Department of Languages and Cultures						
5	A002717	Cultural Anthropology		5			A:2	150
		Koenraad Stroeken -- Department of Languages and Cultures						
6	A002216	Sociology		5			A:2	150
		Timo Van Canegem -- Department of Sociology						
7	H002395	Migration and Society: an Interdisciplinary Introduction [en]		5	UKV		A:2	150
		Robin Vandevoordt -- 'Department of Social Work and Social Pedagogy						
8	A005569	Global Minds [en]		5	UKV		A:2	150
		Ines Keygnaert -- Department of Public Health and Primary Care						
9	H001977	Coaching and Diversity		3	UKV		A:J	90
		Elisabeth De Schauwer -- Department of Special Education						
10	E084581	Sustainable Cities		6			A:J	180
		Thomas Block -- Department of Political Sciences						
11	E084730	Circular Economy and Regenerative Welfare		3			B:2	90
		Jonas Van der Slycken -- Department of Civil Engineering						

2.3.4 Elective Courses Arts and Cultural Sciences

Nr	Course			CRDT	Ref	MT1	Session	Study
1	A005661	Contemporary Art: Ways of Worldmaking		5			A:1[a]	150
		Wouter Davidts -- Department of Art, Music and Theatre Sciences						
2	A005288	Avant-garde Film and Video		5			(A:1)[d]	150
		Steven Jacobs -- Department of Art, Music and Theatre Sciences						
3	A000418	Film History and Aesthetics		5			B:1	150
		Daniël Biltereyst -- Department of Communication Sciences						
4	A003107	Advanced Academic English [en]		3	UKV		A:1, B:2	90
		Geert Jacobs -- Department of Linguistics						
5	A005635	Introduction to Heritage		3			B:2	90
		Anna Tummers -- Department of Art, Music and Theatre Sciences						
6	A001974	Aesthetics I		5			A:2	150
		Bart Vandenabeele -- Department of Philosophy and Moral Sciences						
7	A005291	Historic Interior and Design		5			A:2[a]	150
		Marjan Sterckx -- Department of Art, Music and Theatre Sciences						
8	A006651	History and Theory of African Urbanism [en]		5			A:2	150
		Johan Lagae -- Department of Architecture and Urban Planning						
9	A005583	Art Policy and Museum Studies [en]		5			A:2	150
		Maude Bass-Krueger -- Department of Art, Music and Theatre Sciences						

2.3.5 Elective Courses Economic Sciences

Nr	Course			CRDT	Ref	MT1	Session	Study
1	F001020	Introduction to Entrepreneurship [en]		3			A:1	90
		Petra Andries -- Department of Marketing, Innovation and Organisation						
2	A005646	Introduction to Business Law		3			A:1	90
		Diederik Bruloot -- Department of Interdisciplinary Study of Law, Private Law and Business Law						

Nr	Course		CRDT	Ref	MT1	Session	Study
3	E099160	Project Management in Construction [en]	3			A:2	90
		Mario Vanhoucke -- Department of Business Informatics and Operations Management					

2.3.6 Elective Courses Internship

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E099400	Research Internship [en]	3			B:J	90
		Patrick Segers -- Department of Electronics and Information Systems					
2	E099400	Research Internship [en]	6			A:J	180
		Patrick Segers -- Department of Electronics and Information Systems					
3	E099300	Industry Internship Engineering and Architecture [en, nl]	6			A:J	180
		Patrick Segers -- Department of Electronics and Information Systems					
4	E098010	Integrated Portfolio [en, nl]	6			A:J	180
		Hiep Luong -- Department of Telecommunications and Information Processing					
5	E098010	Integrated Portfolio [en, nl]	3			B:J	90
		Hiep Luong -- Department of Telecommunications and Information Processing					

2.3.7 Elective Courses Ghent University

Vakken te selecteren uit de opleidingsprogramma's van de Universiteit Gent.
Enkel opleidingsonderdelen die inhoudelijk relevant zijn voor de opleiding ingenieurswetenschappen: architectuur, te motiveren door de student. Na goedkeuring door de faculteit.

3 Master's Dissertation — 24 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E091107 Master's Dissertation	24			A:J	720

Teaching

When a course is not taught (solely) in the programme's language of instruction, the effectively used languages are indicated in square brackets following the cours name, using the following ISO codes:

bg: Bulgarian	de: German	es: Spanish	ja: Japanese	pl: Polish	sh: Kroatian/Serbian	zh: Chinese
cs: Czech	el: Greek	fr: French	nl: Dutch	pt: Portuguese	sl: Slovene	
da: Danish	en: English	it: Italian	no: Norwegian	ru: Russian	sv: Swedish	

Semester

Semesters are indicated by their number (1 or 2); semester 3 represents the summer period and J indicates a course spanning semesters 1 and 2.
When a capital letter precedes a semester number, the course has multiple offerings. The letter indicates the offering concerned.
When a semester is shown in brackets, the course in not offered this year in the specific offering.
The offering frequency and first year of offering are indicated by the following codes:

a: bi-annually	c: annually, from 2026-2027	f: annually, from 2027-2028	i: annually, from 2028-2029
b: tri-annually	d: bi-annually, from 2026-2027	g: bi-annually, from 2027-2028	j: bi-annually, from 2028-2029
	e: tri-annually, from 2026-2027	h: tri-annually, from 2027-2028	k: tri-annually, from 2028-2029