

Faculty of Engineering and Architecture

Preparatory Course Master of Science in Engineering: Architecture -- Architectural Design and Construction Techniques

Language of instruction: Dutch

Programme version 13

## 1 General Courses

1.1 General Courses, Intake: Bachelor of Science in Engineering, main subject 72 credits  
Civil Engineering

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E082610 History of Architecture 1: a Long Modernity <i>Dirk De Meyer -- Department of Architecture and Urban Planning</i>	6		1	A:2	180
2	E080112 Architectural Theory 1: Early Modern Foundations [en] <i>Elizabeth Merrill -- Department of Architecture and Urban Planning</i>	5		1	A:1	150
3	E080651 Design Theory 3: Circular Design in Historical Perspective [en] <i>Lionel Devlieger -- Department of Architecture and Urban Planning</i>	3		1	A:1	90
4	E082711 History of Architecture 2: Historiographical Perspectives on the 20th Century <i>Johan Lagae -- Department of Architecture and Urban Planning</i>	5		1	A:2	150
5	E084111 Urban Questions in Historical Perspective 1: Housing [en] <i>Anne Kockelkorn -- Department of Architecture and Urban Planning</i>	3		1	A:2	90
6	E081211 Architectural Design 2 <i>Jan Mannaerts -- Department of Architecture and Urban Planning</i>	15		1	A:J	450
7	E080211 Architectural Theory 2: Contemporary Discourses <i>Maarten Liefoghe -- Department of Architecture and Urban Planning</i>	5		1	A:2	150
8	E027611 Constructional Aspects of the Building Envelope <i>Jan Moens -- Department of Architecture and Urban Planning</i>	3		1	A:2	90
9	E075611 Art and Architecture <i>Wouter Davidts -- Department of Architecture and Urban Planning</i>	3		1	A:2	90
10	E084551 Urban Questions in Historical Perspective 2: Public Space <i>Michiel Dehaene -- Department of Architecture and Urban Planning</i>	3		1	A:1	90
11	E081311 Architectural Design 3 <i>Hans Lust -- Department of Architecture and Urban Planning</i>	15		1	A:J	450
12	E711080 Building Services <i>Jelle Laverge -- Department of Architecture and Urban Planning</i>	3		1	B:2	90
13	E084561 Design Theory 2: Urban Analysis <i>Kristiaan Borret -- Department of Architecture and Urban Planning</i>	3		1	A:1	90

1.2 General Courses, intake: Master of Science in Civil Engineering Technology 69 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E082610 History of Architecture 1: a Long Modernity <i>Dirk De Meyer -- Department of Architecture and Urban Planning</i>	6		1	A:2	180
2	E080112 Architectural Theory 1: Early Modern Foundations [en] <i>Elizabeth Merrill -- Department of Architecture and Urban Planning</i>	5		1	A:1	150
3	E080651 Design Theory 3: Circular Design in Historical Perspective [en] <i>Lionel Devlieger -- Department of Architecture and Urban Planning</i>	3		1	A:1	90
4	E082711 History of Architecture 2: Historiographical Perspectives on the 20th Century <i>Johan Lagae -- Department of Architecture and Urban Planning</i>	5		1	A:2	150

5	E084111	Urban Questions in Historical Perspective 1: Housing [en] <i>Anne Kockelkorn -- Department of Architecture and Urban Planning</i>	3	1	A:2	90
6	E081211	Architectural Design 2 <i>Jan Mannaerts -- Department of Architecture and Urban Planning</i>	15	1	A:J	450
7	E027611	Constructional Aspects of the Building Envelope <i>Jan Moens -- Department of Architecture and Urban Planning</i>	3	1	A:2	90
8	E080211	Architectural Theory 2: Contemporary Discourses <i>Maarten Liefoghe -- Department of Architecture and Urban Planning</i>	5	1	A:2	150
9	E075611	Art and Architecture <i>Wouter Davidts -- Department of Architecture and Urban Planning</i>	3	1	A:2	90
10	E084551	Urban Questions in Historical Perspective 2: Public Space <i>Michiel Dehaene -- Department of Architecture and Urban Planning</i>	3	1	A:1	90
11	E081311	Architectural Design 3 <i>Hans Lust -- Department of Architecture and Urban Planning</i>	15	1	A:J	450
12	E084561	Design Theory 2: Urban Analysis <i>Kristiaan Borret -- Department of Architecture and Urban Planning</i>	3	1	A:1	90

### 1.3 General Courses, Intake: Bachelor of Science in Architecture

76 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E000125 Mathematics 2: Linear Algebra and Geometry <i>Hennie De Schepper -- Department of Electronics and Information Systems</i>	5		1	A:2	150
2	E042013 Introduction to Strength of Materials <i>Nele De Belie -- Department of Structural Engineering and Building Materials</i>	3		1	A:1	90
3	E020711 Physics 2: Thermodynamics and Fluid Mechanics <i>Rino Morent -- Department of Applied Physics</i>	3		1	A:1	90
4	E000612 Mathematics 3: Mathematical Analysis <i>Hendrik De Bie -- Department of Electronics and Information Systems</i>	5		1	A:1	150
5	E042800 Structural Load-Bearing Systems in Architectural Design <i>Jan Belis -- Department of Structural Engineering and Building Materials</i>	3		1	A:2	90
6	E066161 Materials Science <i>Patricia Verleysen -- Department of Electromechanical, Systems and Metal Engineering</i>	4		1	A:1	120
7	E080211 Architectural Theory 2: Contemporary Discourses <i>Maarten Liefoghe -- Department of Architecture and Urban Planning</i>	5		1	A:2	150
8	E080651 Design Theory 3: Circular Design in Historical Perspective [en] <i>Lionel Devlieger -- Department of Architecture and Urban Planning</i>	3		1	A:1	90
9	E082711 History of Architecture 2: Historiographical Perspectives on the 20th Century <i>Johan Lagae -- Department of Architecture and Urban Planning</i>	5		1	A:2	150
10	E050310 Building Physics <i>Arnold Janssens -- Department of Architecture and Urban Planning</i>	6		1	A:1	180
11	E027611 Constructional Aspects of the Building Envelope <i>Jan Moens -- Department of Architecture and Urban Planning</i>	3		1	A:2	90
12	E084551 Urban Questions in Historical Perspective 2: Public Space <i>Michiel Dehaene -- Department of Architecture and Urban Planning</i>	3		1	A:1	90
13	E052720 Concrete Technology <i>Geert De Schutter -- Department of Structural Engineering and Building Materials</i>	3		1	A:2	90
14	E081311 Architectural Design 3 <i>Hans Lust -- Department of Architecture and Urban Planning</i>	15		1	A:J	450
15	E711080 Building Services <i>Jelle Laverge -- Department of Architecture and Urban Planning</i>	4		1	A:2	120
16	E052240 Design of Structures <i>Jan Belis -- Department of Structural Engineering and Building Materials</i>	6		1	A:2	180

### 1.4 General Courses, Intake: Master of Science in Architecture

53 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E000612 Mathematics 3: Mathematical Analysis <i>Hendrik De Bie -- Department of Electronics and Information Systems</i>	5		1	A:1	150
2	E027611 Constructional Aspects of the Building Envelope <i>Jan Moens -- Department of Architecture and Urban Planning</i>	3		1	A:2	90

3	E050310	Building Physics <i>Arnold Janssens -- Department of Architecture and Urban Planning</i>	6	1	A:1	180
4	E042013	Introduction to Strength of Materials <i>Nele De Belie -- Department of Structural Engineering and Building Materials</i>	3	1	A:1	90
5	E042800	Structural Load-Bearing Systems in Architectural Design <i>Jan Belis -- Department of Structural Engineering and Building Materials</i>	3	1	A:2	90
6	E020711	Physics 2: Thermodynamics and Fluid Mechanics <i>Rino Morent -- Department of Applied Physics</i>	3	1	A:1	90
7	E000125	Mathematics 2: Linear Algebra and Geometry <i>Hennie De Schepper -- Department of Electronics and Information Systems</i>	5	1	A:2	150
8	E066161	Materials Science <i>Patricia Verleysen -- Department of Electromechanical, Systems and Metal Engineering</i>	4	1	A:1	120
9	E711080	Building Services <i>Jelle Laverge -- Department of Architecture and Urban Planning</i>	4	1	A:2	120
10	E052720	Concrete Technology <i>Geert De Schutter -- Department of Structural Engineering and Building Materials</i>	3	1	A:2	90
11	E080651	Design Theory 3: Circular Design in Historical Perspective [en] <i>Lionel Devlieger -- Department of Architecture and Urban Planning</i>	3	1	A:1	90
12	E080211	Architectural Theory 2: Contemporary Discourses <i>Maarten Liefoghe -- Department of Architecture and Urban Planning</i>	5	1	A:2	150
13	E052240	Design of Structures <i>Jan Belis -- Department of Structural Engineering and Building Materials</i>	6	1	A:2	180

#### 1.4.1 Electivel Courses, Intake: Master of Science in Architecture

Subscribe to no more than 5 credit units from the study programmes of the Bachelor of Engineering Architecture. Subject to approval by the faculty.

#### 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 is 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 2025-2026	f: annually, from 2026-2027	i: annually, from 2027-2028
b: tri-annually	d: bi-annually, from 2025-2026	g: bi-annually, from 2026-2027	j: bi-annually, from 2027-2028
	e: tri-annually, from 2025-2026	h: tri-annually, from 2026-2027	k: tri-annually, from 2027-2028