

Faculty of Engineering and Architecture

Preparatory Course Master of Science in Engineering: Architecture -- Urban Design and Architecture

Language of instruction: Dutch

Programme version 12

1 General Courses

1.1 General Courses, Intake: Bachelor of Science in Engineering, main subject 80 credits
Civil Engineering

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E082600 History of Architecture 1	6		1		180
2	E080111 Architectural Theory 1	5		1		150
3	E080650 Design Theory 2	5		1		150
4	E082710 History of Architecture 2	5		1		150
5	E084110 History of Urban Planning	3		1		90
6	E081211 Architectural Design 2 <i>Jan Mannaerts -- Department of Architecture and Urban Planning</i>	15		1	A:J	450
7	E080210 Architectural Theory 2	6		1		180
8	E027610 Constructional Aspects of the Building Envelope <i>Jan Moens -- Department of Architecture and Urban Planning</i>	6		1		180
9	E075611 Art and Architecture <i>Wouter Davidts -- Department of Architecture and Urban Planning</i>	3		1	A:2	90
10	E084550 Introduction to Urban Analysis and Design <i>Michiel Dehaene -- Department of Architecture and Urban Planning</i>	4		1		120
11	E081311 Architectural Design 3 <i>Hans Lust -- Department of Architecture and Urban Planning</i>	15		1	A:J	450
12	E711059 Building Services	3		1		90
13	E084560 Methods of Urban Analysis and Design <i>Kristiaan Borret -- Department of Architecture and Urban Planning</i>	4		1		120

1.2 General Courses, intake: Master of Science in Civil Engineering Technology 77 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E082600 History of Architecture 1	6		1		180
2	E080111 Architectural Theory 1	5		1		150
3	E080650 Design Theory 2	5		1		150
4	E082710 History of Architecture 2	5		1		150
5	E084110 History of Urban Planning	3		1		90
6	E081211 Architectural Design 2 <i>Jan Mannaerts -- Department of Architecture and Urban Planning</i>	15		1	A:J	450
7	E027610 Constructional Aspects of the Building Envelope <i>Jan Moens -- Department of Architecture and Urban Planning</i>	6		1		180
8	E080210 Architectural Theory 2	6		1		180
9	E075611 Art and Architecture <i>Wouter Davidts -- Department of Architecture and Urban Planning</i>	3		1	A:2	90
10	E084550 Introduction to Urban Analysis and Design <i>Michiel Dehaene -- Department of Architecture and Urban Planning</i>	4		1		120

11	E081311	Architectural Design 3 <i>Hans Lust -- Department of Architecture and Urban Planning</i>	15	1	A:J	450
12	E084560	Methods of Urban Analysis and Design <i>Kristiaan Borret -- Department of Architecture and Urban Planning</i>	4	1		120

1.3 General Courses, Intake: Bachelor of Science in Architecture

76 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E000124	Geometry	5	1		150
2	E042012	Introduction to Strength of Materials	4	1		120
3	E020710	Physics 2	3	1		90
4	E000611	Mathematical Analysis	5	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	E066160	Materials Science	3	1		90
7	E080210	Architectural Theory 2	6	1		180
8	E080650	Design Theory 2	5	1		150
9	E082710	History of Architecture 2	5	1		150
10	E050310	Building Physics <i>Arnold Janssens -- Department of Architecture and Urban Planning</i>	6	1	A:1	180
11	E027610	Constructional Aspects of the Building Envelope <i>Jan Moens -- Department of Architecture and Urban Planning</i>	6	1		180
12	E084550	Introduction to Urban Analysis and Design <i>Michiel Dehaene -- Department of Architecture and Urban Planning</i>	4	1		120
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	E711059	Building Services	3	1		90

1.4 General Courses, Intake: Master of Science in Architecture

52 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E000611	Mathematical Analysis	5	1		150
2	E027610	Constructional Aspects of the Building Envelope <i>Jan Moens -- Department of Architecture and Urban Planning</i>	6	1		180
3	E050310	Building Physics <i>Arnold Janssens -- Department of Architecture and Urban Planning</i>	6	1	A:1	180
4	E042012	Introduction to Strength of Materials	4	1		120
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	E020710	Physics 2	3	1		90
7	E000124	Geometry	5	1		150
8	E066160	Materials Science	3	1		90
9	E711059	Building Services	3	1		90
10	E052720	Concrete Technology <i>Geert De Schutter -- Department of Structural Engineering and Building Materials</i>	3	1	A:2	90
11	E080650	Design Theory 2	5	1		150
12	E080210	Architectural Theory 2	6	1		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 course name, using the following ISO codes:

bg: Bulgarian	de: German	es: Spanish	ja: Japanese	pl: Polish	sh: Croatian/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