

Faculty of Engineering and Architecture

Bachelor of Science in Engineering: Architecture

Language of instruction: Dutch

Programme version 17

## 1 General Courses

177 credits

The references specify the discipline per course unit:

- reference 'IW': engineering
- reference 'AO': architectural design
- reference 'AW': architectural sciences

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E000113 Mathematics 1: Calculus <i>Hennie De Schepper -- Department of Electronics and Information Systems</i>	5	IW	1	A:1	150
2	E020611 Physics 1: Oscillations, Waves and Optics <i>Christophe Leys -- Department of Applied Physics</i>	6	IW	1	A:1	180
3	E044020 Statics of Structures <i>Jan Belis -- Department of Structural Engineering and Building Materials</i>	3	IW	1	A:1	90
4	E082015 Actual Aspects of Architecture <i>Maarten Van Den Driessche -- Department of Architecture and Urban Planning</i>	3	AW	1	A:1	90
5	E080711 Studio Perception and Presentation Media 1 <i>Aslı Çiçek -- Department of Architecture and Urban Planning</i>	3	AO	1	A:1	90
6	E000125 Mathematics 2: Linear Algebra and Geometry <i>Hennie De Schepper -- Department of Electronics and Information Systems</i>	5	IW	1	A:2	150
7	E080411 Design Theory 1: Basic Instruments <i>Maarten Van Den Driessche -- Department of Architecture and Urban Planning</i>	5	AO	1	A:2	150
8	E080882 Digital Design 1: Modeling and Prototyping <i>Ruben Verstraeten -- Department of Architecture and Urban Planning</i>	3	AO	1	A:2	90
9	E082610 History of Architecture 1: a Long Modernity <i>Dirk De Meyer -- Department of Architecture and Urban Planning</i>	6	AW	1	A:2	180
10	E075072 Philosophy and Critical Theory: an Architectural Introduction [en, nl] <i>Lionel Devlieger -- Department of Architecture and Urban Planning</i>	3	AW	1	A:2	90
11	E050012 Introduction to Structural Design <i>Nathan Van Den Bossche -- Department of Architecture and Urban Planning</i>	5	IW	1	A:J	150
12	E081112 Architectural Design 1 <i>Sotiria Kornaropoulou -- Department of Architecture and Urban Planning</i>	13	AO	1	A:J	360
13	E042013 Introduction to Strength of Materials <i>Nele De Belie -- Department of Structural Engineering and Building Materials</i>	3	IW	2	A:1	90
14	E020711 Physics 2: Thermodynamics and Fluid Mechanics <i>Rino Morent -- Department of Applied Physics</i>	3	IW	2	A:1	90
15	E000612 Mathematics 3: Mathematical Analysis <i>Hendrik De Bie -- Department of Electronics and Information Systems</i>	5	IW	2	A:1	150
16	E066161 Materials Science <i>Patricia Verleysen -- Department of Electromechanical, Systems and Metal Engineering</i>	4	IW	2	A:1	120
17	E080112 Architectural Theory 1: Early Modern Foundations [en] <i>Elizabeth Merrill -- Department of Architecture and Urban Planning</i>	5	AW	2	A:1	150
18	E084561 Design Theory 2: Urban Analysis <i>Kristiaan Borret -- Department of Architecture and Urban Planning</i>	3	AO	2	A:1	90
19	E080912 Studio Perception and Presentation Media 2 <i>Aslı Çiçek -- Department of Architecture and Urban Planning</i>	3	AO	2	A:2	90

20	E042800	Structural Load-Bearing Systems in Architectural Design <i>Jan Belis -- Department of Structural Engineering and Building Materials</i>	3	IW	2	A:2	90
21	E050410	Construction of Buildings <i>Jan Belis -- Department of Structural Engineering and Building Materials</i>	5	IW	2	B:2	150
22	E052720	Concrete Technology <i>Geert De Schutter -- Department of Structural Engineering and Building Materials</i>	3	IW	2	A:2	90
23	E082711	History of Architecture 2: Historiographical Perspectives on the 20th Century <i>Johan Lagae -- Department of Architecture and Urban Planning</i>	5	AW	2	A:2	150
24	E084111	Urban Questions in Historical Perspective 1: Housing [en] <i>Anne Kockelkorn -- Department of Architecture and Urban Planning</i>	3	AW	2	A:2	90
25	E081211	Architectural Design 2 <i>Jan Mannaerts -- Department of Architecture and Urban Planning</i>	15	AO	2	A:J	450
26	E050310	Building Physics <i>Arnold Janssens -- Department of Architecture and Urban Planning</i>	6	IW	3	A:1	180
27	E003220	Statistics and Data Handling <i>Nele De Belie -- Department of Structural Engineering and Building Materials</i>	4	IW	3	A:1	120
28	E084551	Urban Questions in Historical Perspective 2: Public Space <i>Michiel Dehaene -- Department of Architecture and Urban Planning</i>	3	AW	3	A:1	90
29	E080651	Design Theory 3: Circular Design in Historical Perspective [en] <i>Lionel Devlieger -- Department of Architecture and Urban Planning</i>	3	AO	3	A:1	90
30	E080814	Digital Design 2: Modeling and Data Management [nl, en] <i>Tiemen Strobbe -- Department of Architecture and Urban Planning</i>	5	AO	3	A:1	150
31	E711080	Building Services <i>Jelle Laverge -- Department of Architecture and Urban Planning</i>	4	IW	3	A:2	120
32	E052240	Design of Structures <i>Jan Belis -- Department of Structural Engineering and Building Materials</i>	6	IW	3	A:2	180
33	E027611	Constructional Aspects of the Building Envelope <i>Jan Moens -- Department of Architecture and Urban Planning</i>	3	IW	3	A:2	90
34	E080211	Architectural Theory 2: Contemporary Discourses <i>Maarten Liefoghe -- Department of Architecture and Urban Planning</i>	5	AW	3	A:2	150
35	E075611	Art and Architecture <i>Wouter Davidts -- Department of Architecture and Urban Planning</i>	3	AW	3	A:2	90
36	E081311	Architectural Design 3 <i>Hans Lust -- Department of Architecture and Urban Planning</i>	15	AO	3	A:J	450

## 2 Elective Courses 3 credits

Subscribe to no less than 3 credit units from the following list, distributed over the first standard learning path as follows: no less than 3 credit units in year 3. Subject to approval by the faculty.

### 2.1 Elective Courses Fundamental Sciences and Engineering Sciences

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E080830 Information Management in Architecture and Construction [nl, en] <i>Paulus Present -- Department of Architecture and Urban Planning</i>	3		3	A:2	90
2	E080823 Digital Design 3: Advanced Modeling Techniques <i>Ruben Verstraeten -- Department of Architecture and Urban Planning</i>	3		3	A:2	90
3	E099210 Essentials of Artificial Intelligence: a Beginner's Guide [en] <i>Joni Dambre -- Department of Electronics and Information Systems</i>	3	UKV	3	A:1	90
4	E051800 Contemporary Challenges in Civil Engineering: Capita Selecta [en, nl] <i>Robby Caspeele -- Department of Structural Engineering and Building Materials</i>	3		3	A:2	90
5	E078010 Technology and Environment [en] <i>Luc Martens -- Department of Information Technology</i>	3		3	A:1	90
6	C003080 Programming <i>Peter Dawyndt -- Department of Mathematics, Computer Science and Statistics</i>	5	UKV	3	A:1	150

### 2.2 Elective Courses Social and Behavioural Sciences

Nr	Course	CRDT	Ref	MT1	Session	Study
1	A000677 Introduction to Anthropology <i>Hugo DeBlock -- Department of Languages and Cultures</i>	3		3	A:2	90

2	H001977	Coaching and Diversity <i>Elisabeth De Schauwer -- Department of Special Education</i>	3	UKV	3	A:J	90
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## 2.3 Elective Courses Arts and Cultural Sciences

Nr	Course	CRDT	Ref	MT1	Session	Study
1	A005661 Contemporary Art: Ways of Worldmaking <i>Wouter Davidts -- Department of Art, Music and Theatre Sciences</i>	5		3	(A:1) <sup>d</sup>	150
2	A005288 Avant-garde Film and Video <i>Steven Jacobs -- Department of Art, Music and Theatre Sciences</i>	5		3	A:1 <sup>a</sup>	150
3	A000418 Film History and Aesthetics <i>Daniël Biltreyst -- Department of Communication Sciences</i>	5		3	B:1	150
4	A005291 Historic Interior and Design <i>Marjan Sterckx -- Department of Art, Music and Theatre Sciences</i>	5		3	(A:2) <sup>d</sup>	150
5	A005635 Introduction to Heritage <i>Maude Bass-Krueger -- Department of Art, Music and Theatre Sciences</i>	3		3	B:2	90
6	A001974 Aesthetics I <i>Bart Vandenabeele -- Department of Philosophy and Moral Sciences</i>	5		3	A:2	150
7	A003001 Academic English [en] <i>Geert Jacobs -- Department of Linguistics</i>	3	UKV	3	B:1, A:2	90

## 2.4 Elective Courses Economic Sciences

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E076450 Basic Entrepreneurship <i>Yannick Dillen -- Department of Marketing, Innovation and Organisation</i>	3	UKV	3		90
2	E076431 Introduction to Entrepreneurship [en] <i>Petra Andries -- Department of Marketing, Innovation and Organisation</i>	3		3	A:1	90
3	E099160 Project Management in Construction [en] <i>Mario Vanhoucke -- Department of Business Informatics and Operations Management</i>	3		3	A:2	90

### 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