

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

20	E042800	Structural Load-Bearing Systems in Architectural Design Jan Belis -- Department of Structural Engineering and Building Materials	3	IW	2	A:2	90
21	E050410	Construction of Buildings Jan Belis -- Department of Structural Engineering and Building Materials	5	IW	2	B:2	150
22	E052720	Concrete Technology Geert De Schutter -- Department of Structural Engineering and Building Materials	3	IW	2	A:2	90
23	E082711	History of Architecture 2: Historiographical Perspectives on the 20th Century Johan Lagae -- Department of Architecture and Urban Planning	5	AW	2	A:2	150
24	E084111	Urban Questions in Historical Perspective 1: Housing [en] Anne Kockelkorn -- Department of Architecture and Urban Planning	3	AW	2	A:2	90
25	E081211	Architectural Design 2 Jan Mannaerts -- Department of Architecture and Urban Planning	15	AO	2	A:J	450
26	E050310	Building Physics Arnold Janssens -- Department of Architecture and Urban Planning	6	IW	3	A:1	180
27	E003220	Statistics and Data Handling Nele De Belie -- Department of Structural Engineering and Building Materials	4	IW	3	A:1	120
28	E084551	Urban Questions in Historical Perspective 2: Public Space Michiel Dehaene -- Department of Architecture and Urban Planning	3	AW	3	A:1	90
29	E080651	Design Theory 3: Circular Design in Historical Perspective [en] Lionel Devlieger -- Department of Architecture and Urban Planning	3	AO	3	A:1	90
30	E080814	Digital Design 2: Modeling and Data Management [nl, en] Tiemen Strobbe -- Department of Architecture and Urban Planning	5	AO	3	A:1	150
31	E711080	Building Services Jelle Laverge -- Department of Architecture and Urban Planning	4	IW	3	A:2	120
32	E052240	Design of Structures Jan Belis -- Department of Structural Engineering and Building Materials	6	IW	3	A:2	180
33	E027611	Constructional Aspects of the Building Envelope Jan Moens -- Department of Architecture and Urban Planning	3	IW	3	A:2	90
34	E080211	Architectural Theory 2: Contemporary Discourses Maarten Liefoghe -- Department of Architecture and Urban Planning	5	AW	3	A:2	150
35	E075611	Art and Architecture Wouter Davidts -- Department of Architecture and Urban Planning	3	AW	3	A:2	90
36	E081311	Architectural Design 3 Hans Lust -- Department of Architecture and Urban Planning	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] Paulus Present -- Department of Architecture and Urban Planning	3		3	A:2	90
2	E080823 Digital Design 3: Advanced Modeling Techniques Tiemen Strobbe -- Department of Architecture and Urban Planning	3		3	A:2	90
3	E099210 Essentials of Artificial Intelligence: a Beginner's Guide [en] Joni Dambre -- Department of Electronics and Information Systems	3	UKV	3	A:1	90
4	E051800 Contemporary Challenges in Civil Engineering: Capita Selecta [en, nl] Robby Caspeeel -- Department of Structural Engineering and Building Materials	3		3	A:2	90
5	E078010 Technology and Environment [en] Luc Martens -- Department of Information Technology	3		3	A:1	90
6	C003080 Programming Peter Dawyndt -- Department of Applied Mathematics and Computer Science	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 Hugo DeBlock -- Department of Languages and Cultures	3		3	A:2	90

2	H001977	Coaching and Diversity Elisabeth De Schauwer -- Department of Special Education	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 Wouter Davidts -- Department of Art, Music and Theatre Sciences	5		3	(A:1) ^c	150
2	A005288 Avant-garde Film and Video Steven Jacobs -- Department of Art, Music and Theatre Sciences	5		3	A:1 ^a	150
3	A000418 Film History and Aesthetics Daniël Biltreyst -- Department of Communication Sciences	5		3	B:1	150
4	A005291 Historic Interior and Design Marjan Sterckx -- Department of Art, Music and Theatre Sciences	5		3	(A:2) ^d	150
5	A005635 Introduction to Heritage Maude Bass-Krueger -- Department of Art, Music and Theatre Sciences	3		3	B:2	90
6	A001974 Aesthetics I Bart Vandenabeele -- Department of Philosophy and Moral Sciences	5		3	A:2	150
7	A003001 Academic English [en] Geert Jacobs -- Department of Linguistics	3		3	B:1, A:2	90

2.4 Elective Courses Economic Sciences

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