Study Programme

Academic year 2025-2026

Faculty of Engineering and Architecture

Bachelor of Science in Engineering Technology -- Civil Engineering Technology

Language of instruction: Dutch

Programme version 8

1 General Courses — 60 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E701033	Mathematics I	6		1	A:1	180
		Tanja Van Hecke -- Department of Information Technology					
2	E701023	General Chemistry	6		1	A:1	180
		Maarten Sabbe -- Department of Materials, Textiles and Chemical Engineering					
3	E701024	Electricity	6		1	A:1	180
		Luc Dupré -- Department of Electromechanical, Systems and Metal Engineering					
4	E701051	Design Tools	4		1	A:1	120
		Kathleen Gekiere -- Department of Structural Engineering and Building Materials					
5	E701029	Materials	3		1	A:1	90
		Geert De Clercq -- Department of Materials, Textiles and Chemical Engineering					
6	E701030	Mechanics	6		1	A:J	180
		Tom Claessens -- Department of Materials, Textiles and Chemical Engineering					
7	E701052	Engineering Project	5		1	A:J	150
		Kathleen Gekiere -- Department of Structural Engineering and Building Materials					
8	E701034	Mathematics II	6		1	A:2	180
		Tanja Van Hecke -- Department of Information Technology					
9	E701056	Physics	6		1	A:2	180
		Sven Van Loo -- Department of Applied Physics					
10	E701053	Computer Science	6		1	A:2	180
		Helga Naessens -- Department of Information Technology					
11	E701054	Sustainable Energy Technologies	3		1	A:2	90
		Johan Lauwaert -- Department of Electronics and Information Systems					
12	E701055	Electronics	3		1	A:2	90
		Jo Verhaevert -- Department of Information Technology					

2 General Courses — 15 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E702010	Signals and Systems	6		2	A:1	180
		Jan Beyens -- Department of Information Technology					
2	E702090	Statistics and Mathematical Data-analysis	6		2	A:2	180
		Tanja Van Hecke -- Department of Information Technology					
3	E702702	Business Administration	3		3	A:2	90
		Birger Raa -- Department of Industrial Systems Engineering and Product Design					

3 Courses Related to the Main Subject — 96 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E702080	Thermodynamics and Fluid Mechanics	6		2	A:1	180
		Tom Claessens -- Department of Materials, Textiles and Chemical Engineering					
2	E702030	Mechanics of Materials	3		2	A:1	90
		Marc Wouters -- Department of Materials, Textiles and Chemical Engineering					
3	E702070	Physics of Waves and Particles	3		2	A:1	90
		Sven Van Loo -- Department of Applied Physics					

Nr	Course		CRDT	MT1	Session	Study
4	E711023	Structural Analysis Calculation Techniques I	3	2	A:1	90
		Wouter Botte -- Department of Structural Engineering and Building Materials				
5	E711024	Construction of Buildings I	3	2	A:1	90
		Hilde Witters -- Department of Structural Engineering and Building Materials				
6	E711071	Building Information Management for Construction (BIM)	3	2	A:1	90
		Kathleen Gekiere -- Department of Structural Engineering and Building Materials				
7	E711028	Structural Analysis Calculation Techniques II	6	2	A:2	180
		Wouter Botte -- Department of Structural Engineering and Building Materials				
8	E711029	Applied Hydraulics	3	2	A:2	90
		Wouter De Corte -- Department of Structural Engineering and Building Materials				
9	E712010	Topography	6	2	A:2	180
		Greet Deruyter -- Department of Civil Engineering				
10	E711054	Construction of Buildings II	3	2	A:2	90
		Jan Belis -- Department of Structural Engineering and Building Materials				
11	E711055	Concrete Technology	3	2	A:2	90
		Veerle Boel -- Department of Structural Engineering and Building Materials				
12	E711056	Applied Building Technology	3	2	A:2	90
		Ignaas Vandenbruwane -- Department of Structural Engineering and Building Materials				
13	E711034	Steel Construction I	3	3	A:1	90
		Wouter Botte -- Department of Structural Engineering and Building Materials				
14	E711067	Road Construction	6	3	A:1	180
		Wouter De Corte -- Department of Structural Engineering and Building Materials				
15	E711064	Geotechnics	3	3	A:1	90
		Dirk Vinckier -- Department of Civil Engineering				
16	E712030	Building Physics	5	3		150
17	E711038	Design of Concrete Structures I	6	3	A:1	180
		Veerle Boel -- Department of Structural Engineering and Building Materials				
18	E712040	Design Engineering	6	3		180
19	E711080	Building Services	4	3		120
		Jelle Laverge -- Department of Architecture and Urban Planning				
20	E715027	Works in and around the Area and Infrastructure	3	3	A:2	90
		Hilde Witters -- Department of Structural Engineering and Building Materials				
21	E711066	Construction Engineering	3	3	A:2	90
		Ignaas Vandenbruwane -- Department of Structural Engineering and Building Materials				
22	E711090	Project and Site Management	3	3		90
		Geert Versweyveld -- Department of Structural Engineering and Building Materials				
23	E711026	Finite Element Applications in Structural Engineering	3	3		90
		Wouter De Corte -- Department of Structural Engineering and Building Materials				
24	E711043	Bachelor Thesis	6	3	A:2	180
		Greet Deruyter -- Department of Civil Engineering				

4 Elective Courses — 9 credits

Subscribe to 9 credit units from 2 modules from the following list. Subject to approval by the faculty.

4.1 Societal Elective Courses

Subscribe to 3 credit units from the following list. Subject to approval by the faculty.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	F001021	Basic Entrepreneurship	3	UKV	2	A:1	90
		Yannick Dillen -- Department of Marketing, Innovation and Organisation					
2	E076471	Dare to Start [en]	3		2	A:2	90
		Wouter Haerick -- Department of Information Technology					
3	F001020	Introduction to Entrepreneurship [en]	3		2	A:1	90
		Petra Andries -- Department of Marketing, Innovation and Organisation					
4	C004009	History and Philosophy of Sciences	3		2	B:2	90
		Maarten Van Dyck -- Department of Philosophy and Moral Sciences					
5	A003001	Academic English [en]	3	UKV	2	B:1, A:2	90
		Geert Jacobs -- Department of Linguistics					

Nr	Course			CRDT	Ref	MT1	Session	Study
6	H001977	Coaching and Diversity		3	UKV	2	A:J	90
		Elisabeth De Schauwer -- Department of Special Education						
7	E099210	Essentials of Artificial Intelligence: a Beginner's Guide [en]		3	UKV	2	A:1	90
		Joni Dambre -- Department of Electronics and Information Systems						
8	F001012	Leadership for student directors		3	UKV	2	A:1	90
		Ann-Sophie De Pauw -- Department of Economics						

4.2   6 credits

Subscribe to 6 credit units from the following list. Subject to approval by the faculty.

Nr	Course			CRDT	Ref	MT1	Session	Study
1	E711063	Design of Concrete Structures II		3	bouwk	3		90
		Veerle Boel -- Department of Structural Engineering and Building Materials						
2	E711058	Electricity Technology and Lighting		3	bouwk	3		90
		Tim Saillé -- Department of Electromechanical, Systems and Metal Engineering						
3	E712050	Topometrie en referentiesystemen		6	landm	3		180

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