

Study Programme

Academic year 2024-2025

Faculty of Engineering and Architecture

Sven Van Loo -- Department of Applied Physics

18-06-2025 15:19

Bachelor of Science in Engineering Technology -- Civil Engineering Technology

Language of instruction: Dutch

Programme version 7

1	General	Courses			60	credits
Nr	Course		CRDT Re	ef MT1	Session	Study
1	E701033	Mathematics I Tanja Van Hecke Department of Information Technology	6	1	A:1	180
2	E701023	General Chemistry Maarten Sabbe Department of Materials, Textiles and Chemical Engineering	6	1	A:1	180
3	E701024	Electricity Luc Dupré Department of Electromechanical, Systems and Metal Engineering	6	1	A:1	180
4	E701051	Design Tools Kathleen Gekiere Department of Structural Engineering and Building Materials	4	1	A:1	120
5	E701029	Materials Geert De Clercq Department of Materials, Textiles and Chemical Engineering	3	1	A:1	90
6	E701030	Mechanics Tom Claessens Department of Materials, Textiles and Chemical Engineering	6	1	A:J	180
7	E701052	Engineering Project Kathleen Gekiere Department of Structural Engineering and Building Materials	5	1	A:J	150
8	E701034	Mathematics II Tanja Van Hecke Department of Information Technology	6	1	A:2	180
9	E701056	Physics Sven Van Loo Department of Applied Physics	6	1	A:2	180
10	E701053	Computer Science Helga Naessens Department of Information Technology	6	1	A:2	180
11	E701054	Sustainable Energy Technologies Johan Lauwaert Department of Electronics and Information Systems	3	1	A:2	90
12	E701055	Electronics Jo Verhaevert Department of Information Technology	3	1	A:2	90
2	General	Courses			15	credits
Nr	Course		CRDT Re	ef MT1	Session	Study
1	E702010	Signals and Systems Jan Beyens Department of Information Technology	6	2	A:1	180
2	E702090	Statistics and Mathematical Data-analysis Tanja Van Hecke Department of Information Technology	6	2	A:2	180
3	E702702	Business Administration Birger Raa Department of Industrial Systems Engineering and Product Design	3	3	A:2	90
3	Courses	Related to the Main Subject			93 (credits
Nr	Course		CRDT Re	ef MT1	Session	Study
1	E702080	Thermodynamics and Fluid Mechanics Tom Claessens Department of Materials, Textiles and Chemical Engineering	6	2	A:1	180
2	E702030	Mechanics of Materials Marc Wouters Department of Materials, Textiles and Chemical Engineering	3	2	A:1	90
3	E702070	Physics of Waves and Particles	3	2	A:1	90

4 E711023 Structural Analysis Calculation Techniques I 3 2 A:1 90 6 E71102 Construction of Building Information & Structural Engineering and Building Materials 3 2 A:1 90 6 E71107 Building Information & Management of Structural Engineering and Building Materials 3 2 A:1 90 7 E711028 Structural Analysis Calculation Techniques II 6 2 A:2 180 8 E711029 Applied Hydraulics 3 2 A:2 90 9 E711027 Applied Hydraulics 3 2 A:2 90 9 E711027 Applied Hydraulics 3 2 A:2 90 9 E71107 Topography I 101 finiteering and Building Materials 3 2 A:2 90 10 E71105 Construction of Building II 3 2 A:2 90 11 E71105 Opplied Building Technology 3 2 A:2 90 12 E71105 Applied Building Technology 3 3							
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Marijke Steeman - Department of Architecture and Urban Planning 17 E711058 Electricity Technology and Lighting Tim Sall(8 Department of Electromechanical, Systems and Metal Engineering 3 3 A:1 90 18 E711038 Design of Concrete Structures I Veerle Boel Department of Structural Engineering and Building Materials 6 3 A:1 180 19 E711041 Topography II Greet Deruyter Department of Civil Engineering 3 3 A:1 90 20 E711080 Building Services Jelle Laverge Department of Architecture and Urban Planning 3 3 B:2 90 21 E711060 Design Engineering Ignaas Vandenbruwane Department of Structural Engineering and Building Materials 5 3 A:J 150 22 E715027 Works in and around the Area and Infrastructure Hilde Witters Department of Structural Engineering and Building Materials 3 3 A:2 90 23 E711066 Construction Engineering Ignaas Vandenbruwane Department of Structural Engineering and Building Materials 3 3 A:2 90 24 E711043 Bachelor Thesis Greet Deruyter Department of Civil Engineering 6 3 A:2 180 <td>15</td> <td>E711064</td> <td></td> <td>3</td> <td>3</td> <td>A:1</td> <td>90</td>	15	E711064		3	3	A:1	90
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Hilde Witters Department of Structural Engineering and Building Materials 23 E71106 Construction Engineering Ignaas Vandenbruwane Department of Structural Engineering and Building Materials 3 3 A:2 90 24 E711043 Bachelor Thesis Greet Deruyter Department of Civil Engineering 6 3 A:2 180	21	E711060		5	3	A:J	150
Ignaas Vandenbruwane Department of Structural Engineering and Building Materials 24 E711043 Bachelor Thesis 6 3 A:2 180 Greet Deruyter Department of Civil Engineering	22	E715027		3	3	A:2	90
Greet Deruyter Department of Civil Engineering	23	E711066		3	3	A:2	90
A Majore Q credite	24	E711043		6	3	A:2	180
	4	Majors				9	credits

Subscribe to 9 credit units from 1 major in the third bachelor's year.

4.1 Major Construction

Nr Course	CRDT	Ref MT1	Session	Study
1 E711063 Design of Concrete Structures II Veerle Boel Department of Structural Engineering and Building Materials	3	3	A:2	90
2 E711090 Project and Site Management Geert Versweyveld Department of Structural Engineering and Building Materials	3	3	A:2	90
3 E711026 Finite Element Applications in Structural Engineering Wouter De Corte Department of Structural Engineering and Building Materials	3	3	A:2	90
4.2 Major Land Surveying			9	credits
Nr Course	CRDT	Ref MT1	Session	Study

9 credits

1	E711042	Geographical Information Systems I Greet Deruyter Department of Civil Engineering	3	3	A:1	90
2	E711052	Map Projections Greet Deruyter Department of Civil Engineering	3	3	A:2	90
3	E711045	Land Register Hilde Witters Department of Structural Engineering and Building Materials	3	3	A:2	90

5 Elective Courses

Subscribe to 3 credit units In the second bachelor's year, from the following list. Subject to approval by the faculty.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E076450	Basic Entrepreneurship Yannick Dillen Department of Marketing, Innovation and Organisation	3	UKV	2	A:1	90
2	E076471	Dare to Start [en] Wouter Haerick Department of Information Technology	3		2	A:2	90
3	E076431	Introduction to Entrepreneurship [en] Petra Andries Department of Marketing, Innovation and Organisation	3		2	A:1	90
4	C004009	History and Philosophy of Sciences Maarten Van Dyck Department of Philosophy and Moral Sciences	3		2	A:1 ^a	90
5	A003001	Academic English [en] Geert Jacobs Department of Linguistics	3	UKV	2	B:1, A:2	90
6	H001977	Coaching and Diversity Elisabeth De Schauwer Department of Special Education	3	UKV	2	A:J	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 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 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

3 credits