



## Faculty of Engineering and Architecture

### Bachelor of Science in Engineering Technology -- Civil Engineering Technology

Language of instruction: Dutch

Programme version 7

1 General Courses						60 credits	
Nr	Course		CRDT	Ref	MT1	Session	Study
1	E701033	Mathematics I <i>Tanja Van Hecke -- Department of Information Technology</i>	6		1	A:1	180
2	E701023	General Chemistry <i>Maarten Sabbe -- Department of Materials, Textiles and Chemical Engineering</i>	6		1	A:1	180
3	E701024	Electricity <i>Luc Dupré -- Department of Electromechanical, Systems and Metal Engineering</i>	6		1	A:1	180
4	E701051	Design Tools <i>Kathleen Gekiere -- Department of Structural Engineering and Building Materials</i>	4		1	A:1	120
5	E701029	Materials <i>Geert De Clercq -- Department of Materials, Textiles and Chemical Engineering</i>	3		1	A:1	90
6	E701030	Mechanics <i>Tom Claessens -- Department of Materials, Textiles and Chemical Engineering</i>	6		1	A:J	180
7	E701052	Engineering Project <i>Kathleen Gekiere -- Department of Structural Engineering and Building Materials</i>	5		1	A:J	150
8	E701034	Mathematics II <i>Tanja Van Hecke -- Department of Information Technology</i>	6		1	A:2	180
9	E701056	Physics <i>Sven Van Loo -- Department of Applied Physics</i>	6		1	A:2	180
10	E701053	Computer Science <i>Helga Naessens -- Department of Information Technology</i>	6		1	A:2	180
11	E701054	Sustainable Energy Technologies <i>Jeroen De Kooning -- Department of Electromechanical, Systems and Metal Engineering</i>	3		1	A:2	90
12	E701055	Electronics <i>Jo Verhaevert -- Department of Information Technology</i>	3		1	A:2	90

2 General Courses						15 credits	
Nr	Course		CRDT	Ref	MT1	Session	Study
1	E702010	Signals and Systems <i>Martijn Huynen -- Department of Information Technology</i>	6		2	A:1	180
2	E702090	Statistics and Mathematical Data-analysis <i>Tanja Van Hecke -- Department of Information Technology</i>	6		2	A:2	180
3	E702702	Business Administration <i>Birger Raa -- Department of Industrial Systems Engineering and Product Design</i>	3		3	A:2	90

3 Courses Related to the Main Subject						93 credits	
Nr	Course		CRDT	Ref	MT1	Session	Study
1	E702080	Thermodynamics and Fluid Mechanics <i>Tom Claessens -- Department of Materials, Textiles and Chemical Engineering</i>	6		2	A:1	180
2	E702030	Mechanics of Materials <i>Marc Wouters -- Department of Materials, Textiles and Chemical Engineering</i>	3		2	A:1	90
3	E702070	Physics of Waves and Particles <i>Sven Van Loo -- Department of Applied Physics</i>	3		2	A:1	90

4	E711023	Structural Analysis Calculation Techniques I <i>Wouter Botte -- Department of Structural Engineering and Building Materials</i>	3	2	A:1	90
5	E711024	Construction of Buildings I <i>Hilde Witters -- Department of Structural Engineering and Building Materials</i>	3	2	A:1	90
6	E711071	Building Information Management for Construction (BIM) <i>Kathleen Gekiere -- Department of Structural Engineering and Building Materials</i>	3	2	A:1	90
7	E711028	Structural Analysis Calculation Techniques II <i>Wouter Botte -- Department of Structural Engineering and Building Materials</i>	6	2	A:2	180
8	E711029	Applied Hydraulics <i>Wouter De Corte -- Department of Structural Engineering and Building Materials</i>	3	2	A:2	90
9	E711027	Topography I	6	2		180
10	E711054	Construction of Buildings II <i>Jan Belis -- Department of Structural Engineering and Building Materials</i>	3	2	A:2	90
11	E711055	Concrete Technology <i>Veerle Boel -- Department of Structural Engineering and Building Materials</i>	3	2	A:2	90
12	E711056	Applied Building Technology <i>Ignas Vandenbrouwane -- Department of Structural Engineering and Building Materials</i>	3	2	A:2	90
13	E711034	Steel Construction I <i>Wouter Botte -- Department of Structural Engineering and Building Materials</i>	3	3	A:1	90
14	E711067	Road Construction <i>Wouter De Corte -- Department of Structural Engineering and Building Materials</i>	6	3	A:1	180
15	E711064	Geotechnics <i>Dirk Vinckier -- Department of Civil Engineering</i>	3	3	A:1	90
16	E711057	Building Physics <i>Marijke Steeman -- Department of Architecture and Urban Planning</i>	4	3	A:1	120
17	E711058	Electricity Technology and Lighting <i>Tim Sallé -- Department of Electromechanical, Systems and Metal Engineering</i>	3	3	A:1	90
18	E711038	Design of Concrete Structures I <i>Veerle Boel -- Department of Structural Engineering and Building Materials</i>	6	3	A:1	180
19	E711041	Topography II <i>Greet Deruyter -- Department of Civil Engineering</i>	3	3	A:1	90
20	E711080	Building Services <i>Jelle Laverge -- Department of Architecture and Urban Planning</i>	3	3	B:2	90
21	E711060	Design Engineering <i>Ignas Vandenbrouwane -- Department of Structural Engineering and Building Materials</i>	5	3	A:J	150
22	E715027	Works in and around the Area and Infrastructure <i>Hilde Witters -- Department of Structural Engineering and Building Materials</i>	3	3	A:2	90
23	E711066	Construction Engineering <i>Ignas Vandenbrouwane -- Department of Structural Engineering and Building Materials</i>	3	3	A:2	90
24	E711043	Bachelor Thesis <i>Greet Deruyter -- Department of Civil Engineering</i>	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

9 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E711063	Design of Concrete Structures II <i>Veerle Boel -- Department of Structural Engineering and Building Materials</i>	3	3	A:2	90
2	E711090	Project and Site Management <i>Geert Versweyveld -- Department of Structural Engineering and Building Materials</i>	3	3	A:2	90
3	E711026	Finite Element Applications in Structural Engineering <i>Wouter De Corte -- Department of Structural Engineering and Building Materials</i>	3	3	A:2	90

### 4.2 Major Land Surveying

9 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E711042	Geographical Information Systems I <i>Greet Deruyter -- Department of Civil Engineering</i>	3	3	A:1	90

2	E711052	Map Projections <i>Greet Deruyter -- Department of Civil Engineering</i>	3	3	A:2	90
3	E711045	Land Register <i>Hilde Witters -- Department of Structural Engineering and Building Materials</i>	3	3	A:2	90

## 5 Elective Courses

3 credits

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	3	UKV	2		90
2	E076471	Dare to Start [en] <i>Wouter Haerick -- Department of Information Technology</i>	3		2	A:2	90
3	E076431	Introduction to Entrepreneurship	3		2		90
4	C004009	History and Philosophy of Sciences <i>Maarten Van Dyck -- Department of Philosophy and Moral Sciences</i>	3		2		90
5	A003001	Academic English [en] <i>Geert Jacobs -- Department of Linguistics</i>	3	UKV	2	B:1, A:2	90
6	H001977	Coaching and Diversity <i>Elisabeth De Schauwer -- Department of Special Education</i>	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 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 2027-2028	f: annually, from 2028-2029	i: annually, from 2029-2030
b: tri-annually	d: bi-annually, from 2027-2028	g: bi-annually, from 2028-2029	j: bi-annually, from 2029-2030
	e: tri-annually, from 2027-2028	h: tri-annually, from 2028-2029	k: tri-annually, from 2029-2030