

Faculty of Engineering and Architecture

Bachelor of Science in Engineering Technology -- Civil Engineering Technology

Language of instruction: Dutch

Programme version 6

## 1 General Courses 60 credits

Nr	Course	CRDT	Ref	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	Ref	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	Ref	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 Sven Van Loo -- Department of Applied Physics	3		2	A:1	90

4	E711023	Structural Analysis Calculation Techniques I Frank Vandedrinck -- Department of Structural Engineering and Building Materials	3	2	A:1	90
5	E711024	Construction of Buildings I Hilde Witters -- Department of Structural Engineering and Building Materials	3	2	A:1	90
6	E711071	Building Information Management for Construction (BIM) Kathleen Gekiere -- Department of Structural Engineering and Building Materials	3	2	A:1	90
7	E711028	Structural Analysis Calculation Techniques II Frank Vandedrinck -- Department of Structural Engineering and Building Materials	6	2	A:2	180
8	E711029	Applied Hydraulics Wouter De Corte -- Department of Structural Engineering and Building Materials	3	2	A:2	90
9	E711027	Topography I Greet Deruyter -- Department of Civil Engineering	6	2	A:2	180
10	E711054	Construction of Buildings II Jan Belis -- Department of Structural Engineering and Building Materials	3	2	A:2	90
11	E711055	Concrete Technology Veerle Boel -- Department of Structural Engineering and Building Materials	3	2	A:2	90
12	E711056	Applied Building Technology Ignaas Vandenbruwane -- Department of Structural Engineering and Building Materials	3	2	A:2	90
13	E711034	Steel Construction I Frank Vandedrinck -- Department of Structural Engineering and Building Materials	3	3	A:1	90
14	E711067	Road Construction Wouter De Corte -- Department of Structural Engineering and Building Materials	6	3	A:1	180
15	E711064	Geotechnics Dirk Vinckier -- Department of Civil Engineering	3	3	A:1	90
16	E711057	Building Physics Marijke Steeman -- Department of Architecture and Urban Planning	4	3	A:1	120
17	E711058	Electricity Technology and Lighting Tim Saillé -- Department of Electromechanical, Systems and Metal Engineering	3	3	A:1	90
18	E711038	Design of Concrete Structures I Frank Vandedrinck -- 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 Marc Wylaers -- 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 Marc Wylaers -- 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

## 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 Veerle Boel -- Department of Structural Engineering and Building Materials	3		3	A:2	90
2	E711070 Additional Architectural Design	3		3		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
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 Frank Vandedrinck -- Department of Structural Engineering and Building Materials	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	A:1	90
2	E076471 Dare to Start [en] Frank Gielen -- 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	E075060 Philosophy and Science	3		2		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 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