

Faculty of Engineering and Architecture

Bachelor of Science in Engineering -- Civil Engineering

Language of instruction: Dutch

Programme version 5

1 General Courses 60 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E001142 Basic Mathematics Hennie De Schepper -- Department of Electronics and Information Systems	3		1	A:1	90
2	E020061 Physics I Christophe Leys -- Department of Applied Physics	6		1	A:1	180
3	E001132 Mathematical Analysis I Hennie De Schepper -- Department of Electronics and Information Systems	6		1	A:1	180
4	E001460 Discrete Mathematics I Mario Pickavet -- Department of Information Technology	4		1	A:1	120
5	E070070 Chemistry: the Structure of Matter Marie-Françoise Reyniers -- Department of Materials, Textiles and Chemical Engineering	4		1	A:1	120
6	E098513 Modelling, Making and Measuring Filip Beunis -- Department of Electronics and Information Systems	4		1	A:1	120
7	E015041 Informatics Bart Dhoedt -- Department of Information Technology	6		1	A:J	180
8	E001222 Mathematical Analysis II Hendrik De Bie -- Department of Electronics and Information Systems	4		1	A:2	120
9	E000662 Geometry and Linear Algebra Hennie De Schepper -- Department of Electronics and Information Systems	7		1	A:2	210
10	E070080 Chemical Thermodynamics Marie-Françoise Reyniers -- Department of Materials, Textiles and Chemical Engineering	3		1	A:2	90
11	E003043 Probability and Statistics Jasper De Bock -- Department of Electronics and Information Systems	6		1	A:2	180
12	E066012 Materials Technology Kim Verbeken -- Department of Materials, Textiles and Chemical Engineering	4		1	A:2	120
13	E098512 Sustainability, Entrepreneurship and Ethics Filip Beunis -- Department of Electronics and Information Systems	3		1	A:2	90

2 General Courses 30 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E040420 Mechanics of Materials Wim Van Paepegem -- Department of Materials, Textiles and Chemical Engineering	6		2	A:1	180
2	E020220 Physics II Christophe Leys -- Department of Applied Physics	6		2	A:1	180
3	E045120 Transport Phenomena Tom De Mulder -- Department of Civil Engineering	6		2	B:2	180
4	E001321 Mathematical Analysis III Hendrik De Bie -- Department of Electronics and Information Systems	6		2	A:1	180
5	E005020 Analysis of Systems and Signals Gert De Cooman -- Department of Electronics and Information Systems	3		2	B:1	90
6	E076040 Sustainable Business Operations Ludo Poelaert -- Department of Industrial Systems Engineering and Product Design	3		2	A:1	90

3 Courses Related to the Main Subject

87 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E076621 Principles of Law and Construction Law Jelle Laverge -- Department of Architecture and Urban Planning	3		2	A:1, B:2	90
2	E000810 Topography Alain De Wulf -- Department of Geography	3		2	A:1, B:2	90
3	E050410 Construction of Buildings Jan Belis -- Department of Structural Engineering and Building Materials	6		2	A:2	180
4	E044120 Structural Analysis I Robby Caspeele -- Department of Structural Engineering and Building Materials	6		2	A:2	180
5	E003230 Statistical Data Processing Nele De Belie -- Department of Structural Engineering and Building Materials	3		2	A:2	90
6	E061430 Computer Aided Design Nico Van de Weghe -- Department of Geography	3		2	A:2	90
7	E052720 Concrete Technology Geert De Schutter -- Department of Structural Engineering and Building Materials	3		2	A:2	90
8	E099101 Engineering Project Karel Lesage -- Department of Structural Engineering and Building Materials	3		2	A:2	90
9	E050310 Building Physics Arnold Janssens -- Department of Architecture and Urban Planning	6		3	A:1	180
10	E052412 Concrete Structures: Reinforced Concrete [en] Roman Wan-Wendner -- Department of Structural Engineering and Building Materials	6		3	A:1	180
11	E044220 Structural Analysis II Kim Van Tittelboom -- Department of Structural Engineering and Building Materials	6		3	A:1	180
12	E046010 Soil Mechanics Wim Haegeman -- Department of Civil Engineering	6		3	A:1	180
13	E045411 Hydraulics Tom De Mulder -- Department of Civil Engineering	6		3	A:1	180
14	E053510 Geometric Aspects of Roads Hans De Backer -- Department of Civil Engineering	3		3	A:2	90
15	E090420 Mechanical Engineering Patrick De Baets -- Department of Electromechanical, Systems and Metal Engineering	3		3	A:2	90
16	E044230 Structural Analysis of Geotechnical Structures Raphaël Steenberghe -- Department of Structural Engineering and Building Materials	3		3	A:2	90
17	E044510 Metal Structures [en, nl] Kim Van Tittelboom -- Department of Structural Engineering and Building Materials	6		3	A:2	180
18	E044811 Introduction to Bridge Engineering Hans De Backer -- Department of Civil Engineering	3		3	A:2	90
19	E051800 Contemporary Challenges in Civil Engineering: Capita Selecta [en, nl] Robby Caspeele -- Department of Structural Engineering and Building Materials	3		3	A:2	90
20	E099000 Cross-Course Project Stijn Matthys -- Department of Structural Engineering and Building Materials	6		3	A:2	180

4 Elective Courses

3 credits

Subscribe to 3 credit units from the following list, distributed over the first standard learning path as follows: 3 credit units in year 3.
Subject to approval by the faculty.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E099160 Project Management in Construction [en] Mario Vanhoucke -- Department of Business Informatics and Operations Management	3		3	A:2	90
2	E711080 Building Services Jelle Laverge -- Department of Architecture and Urban Planning	3		3	B:2	90
3	E016350 Artificial Intelligence [en] Aleksandra Pizurica -- Department of Telecommunications and Information Processing	3		3	B: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 2024-2025	f: annually, from 2025-2026	i: annually, from 2026-2027
b: tri-annually	d: bi-annually, from 2024-2025	g: bi-annually, from 2025-2026	j: bi-annually, from 2026-2027
	e: tri-annually, from 2024-2025	h: tri-annually, from 2025-2026	k: tri-annually, from 2026-2027