

Study Programme

60 credits

Academic year 2025-2026

Faculty of Engineering and Architecture

Bachelor of Science in Engineering -- Civil Engineering

Language of instruction: Dutch

Programme version 5

General Courses

Nr	Course		CRDT Re	f 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 Joris Thybaut 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 Maarten Sabbe 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 c	credits
Nr	Course		CRDT Re	ef 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 Birger Raa Department of Industrial Systems Engineering and Product Design	3	2	A:1	90

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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	90
2	E000810	Topography Alain De Wulf Department of Geography	3	2	A:1	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 Steenbergen 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.

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Nr	Course		CRDT	Ref MT1	Session	Study
1	E099160	Project Management in Construction [en]	3	3	A:2	90
		Mario Vanhoucke Department of Business Informatics and Operations Management				
2	E711080	Building Services	3	3	B:2	90
		Jelle Laverge Department of Architecture and Urban Planning				
3	E016350	Artificial Intelligence [en]	3	3	B:2	90
		Aleksandra Pizurica Department of Telecommunications and Information Processing				

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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

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 g: bi-annually, from 2027-2028 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

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