Study Programme

Academic year 2023-2024

Faculty of Engineering and Architecture

Bachelor of Science in Engineering -- Computer Science Engineering

Language of instruction: Dutch

Programme version 4

1 General Courses — 60 credits

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

2 General Courses — 33 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E090320	Electrical Circuits and Networks	6		2	A:1	180
		Inge Nys -- Department of Electronics and Information Systems					
2	E020220	Physics II	6		2	A:1	180
		Christophe Leys -- Department of Applied Physics					
3	E001321	Mathematical Analysis III	6		2	A:1	180
		Hendrik De Bie -- Department of Electronics and Information Systems					
4	E005020	Analysis of Systems and Signals	6		2	A:1	180
		Gert De Cooman -- Department of Electronics and Information Systems					
5	E076040	Sustainable Business Operations	3		2	A:1	90
		Ludo Poelaert -- Department of Industrial Systems Engineering and Product Design					
6	E016350	Artificial Intelligence [en]	6		3	B:2	180
		Aleksandra Pizurica -- Department of Telecommunications and Information Processing					

3 Courses Related to the Main Subject — 87 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E034110	Computer Architecture	6		2	A:2	180
		Koen De Bosschere -- Department of Electronics and Information Systems					
2	E017210	Computer Programming	6		2	A:2	180
		Filip De Turck -- Department of Information Technology					
3	E003110	Applied Probability	3		2	A:2	90
		Sabine Wittevrongel -- Department of Telecommunications and Information Processing					
4	E001470	Discrete Mathematics II	6		2	A:2	180
		Joris Walraevens -- Department of Telecommunications and Information Processing					
5	E099111	Engineering Project	3		2	A:2	90
		Francis wyffels -- Department of Electronics and Information Systems					
6	E018310	Algorithms and Data Structures	6		2	A:2	180
		Tom Dhaene -- Department of Information Technology					
7	E018120	Databases	3		2	A:1	90
		Guy De Tré -- Department of Telecommunications and Information Processing					
8	E008620	Communication Networks	6		3	A:1	180
		Wouter Tavernier -- Department of Information Technology					
9	E019010	Operating Systems	6		3	A:1	180
		Koen De Bosschere -- Department of Electronics and Information Systems					
10	E031110	Digital Electronics	6		3	A:1	180
		Dirk Stroobandt -- Department of Electronics and Information Systems					
11	E012110	Communication Theory	6		3	A:1	180
		Nele Noels -- Department of Telecommunications and Information Processing					
12	E017610	Software Engineering	6		3	A:2	180
		Bart Dhoedt -- Department of Information Technology					
13	E019130	Multimedia Techniques	6		3	A:2	180
		Peter Lambert -- Department of Electronics and Information Systems					
14	E002022	Formal Systems Modelling for Software	3		3	A:2	90
		Eric Laermans -- Department of Information Technology					
15	E099010	Cross-Course Project	6		3	A:2	180
		Dirk Stroobandt -- Department of Electronics and Information Systems					
16	E016020	Automata Theory	6		3	A:2	180
		Sabine Wittevrongel -- Department of Telecommunications and Information Processing					
17	E076320	The Information Society and ICT	3		3	A:1	90
		Erik Mannens -- Department of Electronics and Information Systems					

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 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