

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

## 2 General Courses 33 credits

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

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E034110 <b>Computer Architecture</b> <i>Koen De Bosschere -- Department of Electronics and Information Systems</i>	6		2	A:2	180
2	E017210 <b>Computer Programming</b> <i>Filip De Turck -- Department of Information Technology</i>	6		2	A:2	180
3	E003110 <b>Applied Probability</b> <i>Sabine Wittevrongel -- Department of Telecommunications and Information Processing</i>	3		2	A:2	90
4	E001470 <b>Discrete Mathematics II</b> <i>Joris Walraevens -- Department of Telecommunications and Information Processing</i>	6		2	A:2	180
5	E099111 <b>Engineering Project</b> <i>Francis wyffels -- Department of Electronics and Information Systems</i>	3		2	A:2	90
6	E018310 <b>Algorithms and Data Structures</b> <i>Tom Dhaene -- Department of Information Technology</i>	6		2	A:2	180
7	E018120 <b>Databases</b> <i>Guy De Tré -- Department of Telecommunications and Information Processing</i>	3		2	A:1	90
8	E008620 <b>Communication Networks</b> <i>Wouter Tavernier -- Department of Information Technology</i>	6		3	A:1	180
9	E019010 <b>Operating Systems</b> <i>Koen De Bosschere -- Department of Electronics and Information Systems</i>	6		3	A:1	180
10	E031110 <b>Digital Electronics</b> <i>Dirk Stroobandt -- Department of Electronics and Information Systems</i>	6		3	A:1	180
11	E012110 <b>Communication Theory</b> <i>Nele Noels -- Department of Telecommunications and Information Processing</i>	6		3	A:1	180
12	E017610 <b>Software Engineering</b> <i>Bart Dhoedt -- Department of Information Technology</i>	6		3	A:1	180
13	E019130 <b>Multimedia Techniques</b> <i>Peter Lambert -- Department of Electronics and Information Systems</i>	6		3	A:2	180
14	E002022 <b>Formal Systems Modelling for Software</b> <i>Eric Laermans -- Department of Information Technology</i>	3		3	A:2	90
15	E099010 <b>Cross-Course Project</b> <i>Dirk Stroobandt -- Department of Electronics and Information Systems</i>	6		3	A:2	180
16	E016020 <b>Automata Theory</b> <i>Sabine Wittevrongel -- Department of Telecommunications and Information Processing</i>	6		3	A:2	180
17	E076320 <b>The Information Society and ICT</b> <i>Erik Mannens -- Department of Electronics and Information Systems</i>	3		3	A: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 2026-2027	f: annually, from 2027-2028	i: annually, from 2028-2029
b: tri-annually	d: bi-annually, from 2026-2027	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