

## Study Programme

Academic year 2025-2026

Faculty of Engineering and Architecture

Bachelor of Science in Engineering -- Electrical Engineering

Language of instruction: Dutch

6 E007120 Modelling and Control of Dynamic Systems

Mia Loccufier -- Department of Electromechanical, Systems and Metal Engineering

Programme version 4

1	General	General Courses				60 credits		
Nr	Course		CRDT F	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  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		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			39 (	credits		
Nr	Course		CRDT F	Ref MT1	Session	Study		
1	E090320	Electrical Circuits and Networks  Inge Nys Department of Electronics and Information Systems	6	2	A:1	180		
2	E040420	Mechanics of Materials Wim Van Paepegem Department of Materials, Textiles and Chemical Engineering	3	2	B:1	90		
3	E020220	Physics II Christophe Leys Department of Applied Physics	6	2	A:1	180		
4	E005020	Analysis of Systems and Signals  Gert De Cooman Department of Electronics and Information Systems	6	2	A:1	180		
5	E001321	Mathematical Analysis III  Hendrik De Bie Department of Electronics and Information Systems	6	2	A:1	180		

23-11-2025 12:25 p 1

6

2

A:2

180

7	E076040	Sustainable Business Operations	3	2	A:1	90
		Birger Raa Department of Industrial Systems Engineering and Product Design				
8	E016350	Artificial Intelligence [en]	3	3	B:2	90
		Alaksandra Dizurica Department of Telecommunications and Information Processing				

3	Courses Related to the Main Subject				81 credits	
Nr	Course		CRDT	Ref MT1	Session	Study
1	E003110	Applied Probability Sabine Wittevrongel Department of Telecommunications and Information Processing	3	2	A:2	90
2	E017210	Computer Programming Filip De Turck Department of Information Technology	6	2	A:2	180
3	E099121	Engineering Project Herbert De Smet Department of Electronics and Information Systems	3	2	A:2	90
4	E065110	Materials in Electronics  Jeroen Beeckman Department of Electronics and Information Systems	6	2	A:2	180
5	E034110	Computer Architecture Koen De Bosschere Department of Electronics and Information Systems	6	2	A:2	180
6	E012110	Communication Theory  Nele Noels Department of Telecommunications and Information Processing	6	3	A:1	180
7	E900039	Applied Electromagnetism  Dries Vande Ginste Department of Information Technology	6	3	A:1	180
8	E031110	Digital Electronics  Dirk Stroobandt Department of Electronics and Information Systems	6	3	A:1	180
9	E008620	Communication Networks Wouter Tavernier Department of Information Technology	6	3	A:1	180
10	E030210	Analog Electronics  Jeroen De Maeyer Department of Electromechanical, Systems and Metal Engineering	6	3	A:1	180
11	E030610	Photonics Günther Roelkens Department of Information Technology	6	3	A:2	180
12	E010010	Signal Processing [en]	6	3	A:2	180
13	E028411	Heat Transfer in Electronics Filip Beunis Department of Electronics and Information Systems	3	3	A:2	90
14	E099020	Cross-Course Project  Johan Bauwelinck Department of Information Technology	6	3	A:2	180
15	E030230	Design of Analog Circuits and Building Blocks Guy Torfs Department of Information Technology	6	3	A:2	180

## 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 2026-2027 f: annually, from 2027-2028 i: annually, from 2028-2029 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

23-11-2025 12:25 p 2