

Faculty of Engineering and Architecture  
Master of Science in Electrical Engineering

Language of instruction: Dutch

Programme version 4

## 1 General Courses 96 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E019370 Robotics <i>Tony Belpaeme -- Department of Electronics and Information Systems</i>	6		1	B:1	180
2	E022230 Antennas and Propagation <i>Hendrik Rogier -- Department of Information Technology</i>	6		1	B:1	180
3	E031251 Design Methodology for FPGAs <i>Dirk Stroobandt -- Department of Electronics and Information Systems</i>	6		1	B:1	180
4	E033021 Electromagnetic-aware High Frequency Design <i>Hendrik Rogier -- Department of Information Technology</i>	6		1	B:1	180
5	E031440 VLSI Technology and Design <i>Jan Doutreloigne -- Department of Electronics and Information Systems</i>	6		1	B:1	180
6	E033640 High-speed Electronics <i>Johan Bauwelinck -- Department of Information Technology</i>	6		1	B:2	180
7	E003600 Information Theory <i>Heidi Steendam -- Department of Telecommunications and Information Processing</i>	6		1	A:2	180
8	E033702 Hardware-design Project [en] <i>Ioulia Tzouvadaki -- Department of Electronics and Information Systems</i>	6		1	A:2	180
9	E031341 Digital Building Blocks <i>Jan Doutreloigne -- Department of Electronics and Information Systems</i>	6		1	A:2	180
10	E030220 Advanced Analog Design [en] <i>Guy Torfs -- Department of Information Technology</i>	6		1	A:1	180
11	E076520 Commercial Law	3		2		90
12	E076621 Principles of Law and Construction Law <i>Jelle Laverge -- Department of Architecture and Urban Planning</i>	3		2	A:1	90
13	E012130 Modulation and Detection <i>Nele Noels -- Department of Telecommunications and Information Processing</i>	6		2	A:1	180
14	E031420 Technology of Integrated Circuits and Microsystems <i>Maaïke Op de Beeck -- Department of Electronics and Information Systems</i>	6		2	A:1	180
15	E030900 Design of Microsystems <i>Jan Doutreloigne -- Department of Electronics and Information Systems</i>	6		2	A:1	180
16	E011320 Queueing Theory <i>Joris Walraevens -- Department of Telecommunications and Information Processing</i>	6		2	C:1	180
17	E012420 Optical Communication Systems <i>Geert Morthier -- Department of Information Technology</i>	6		2	B:2	180

## 2 Master's Dissertation 24 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E091103 Master's Dissertation	24		2	A:J	720

## 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