

Faculty of Engineering and Architecture

Linking Course Master of Science in Electronics and ICT Engineering Technology -- ICT

Language of instruction: Dutch

Programme version 8

1 General Courses

1.1 General Courses

Depending on the student's previous degree and in accordance with the admission requirements.

1.1.1 Intake: Bachelor in de elektronica-ICT en aanverwante opleidingen

90 credits

From students with one of the following previous degrees: Bachelor in de autotechnologie, Bachelor in de elektronica-ICT, Bachelor in de energietechnologie, Bachelor in het energiemanagement, Bachelor of Electronics-ICT

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E701033 Mathematics I <i>Tanja Van Hecke -- Department of Information Technology</i>	6		1	A:1	180
2	E702050 Object Oriented Programming <i>Helga Naessens -- Department of Information Technology</i>	6		1	A:1	180
3	E741058 Programming in C <i>Wim Van Den Breen -- Department of Information Technology</i>	3		1	A:1	90
4	E765100 Applied Artificial Intelligence <i>Sofie Van Hoecke -- Department of Electronics and Information Systems</i>	3		1	A:1	90
5	E761050 Computer Networks <i>Wouter Tavernier -- Department of Information Technology</i>	6		1	A:1	180
6	E701034 Mathematics II <i>Tanja Van Hecke -- Department of Information Technology</i>	6		1	A:2	180
7	E702090 Statistics and Mathematical Data-analysis <i>Tanja Van Hecke -- Department of Information Technology</i>	6		1	A:2	180
8	E731018 Embedded Systems: Microcontrollers <i>Patrick Van Torre -- Department of Information Technology</i>	6		1	A:2	180
9	E731036 Digital Electronics <i>Jan Aelterman -- Department of Telecommunications and Information Processing</i>	6		1	A:2	180
10	E731038 Analogue Electronics I <i>Patrick Van Torre -- Department of Information Technology</i>	6		1	A:2	180
11	E731021 Multidisciplinary Engineering Project <i>Guy Torfs -- Department of Information Technology</i>	3		1	A:2	90
12	E702010 Signals and Systems <i>Jan Beyens -- Department of Information Technology</i>	6		2	A:1	180
13	E731034 Numerical Analysis <i>Tanja Van Hecke -- Department of Information Technology</i>	3		2	A:1	90
14	E731039 Analogue Electronics II <i>Patrick Van Torre -- Department of Information Technology</i>	6		2	A:1	180
15	E731037 Embedded Systems: Hardware Synthesis <i>Bart Goossens -- Department of Telecommunications and Information Processing</i>	6		2	A:1	180
16	E702060 Signals and Systems II <i>Jan Beyens -- Department of Information Technology</i>	3		2	A:2	90
17	E731028 Data Communication <i>Jo Verhaevert -- Department of Information Technology</i>	3		2	A:2	90

18	E731025	Digital Signal Processing	6	2	A:2	180
<i>Paul Devos -- Department of Information Technology</i>						

1.1.2 Intake: Bachelor in de toegepaste informatica en aanverwante opleidingen

90 credits

For students with one of the following previous degrees: Bachelor in de toegepaste informatica, Bachelor of Applied Computer Science, Bachelor in de multimedia en creatieve technologie, Bachelor of Creative Technologies and Artificial Intelligence, Bachelor of Multimedia & Creative Technologies, Bachelor in de multimedia en de communicatietechnologie, Bachelor in de multimedia en de communicatietechnologie, afstudeerrichting: multimedia en communicatietechnologie

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E701033 Mathematics I <i>Tanja Van Hecke -- Department of Information Technology</i>	6		1	A:1	180
2	E702050 Object Oriented Programming <i>Helga Naessens -- Department of Information Technology</i>	6		1	A:1	180
3	E741058 Programming in C <i>Wim Van Den Breen -- Department of Information Technology</i>	3		1	A:1	90
4	E701034 Mathematics II <i>Tanja Van Hecke -- Department of Information Technology</i>	6		1	A:2	180
5	E701055 Electronics <i>Jo Verhaevert -- Department of Information Technology</i>	3		1	A:2	90
6	E702090 Statistics and Mathematical Data-analysis <i>Tanja Van Hecke -- Department of Information Technology</i>	6		1	A:2	180
7	E731018 Embedded Systems: Microcontrollers <i>Patrick Van Torre -- Department of Information Technology</i>	6		1	A:2	180
8	E731036 Digital Electronics <i>Jan Aelterman -- Department of Telecommunications and Information Processing</i>	6		1	A:2	180
9	E731038 Analogue Electronics I <i>Patrick Van Torre -- Department of Information Technology</i>	6		1	A:2	180
10	E702040 Electronics II <i>Stefaan Lambrecht -- Department of Information Technology</i>	6		1	A:1	180
11	E702010 Signals and Systems <i>Jan Beyens -- Department of Information Technology</i>	6		2	A:1	180
12	E731034 Numerical Analysis <i>Tanja Van Hecke -- Department of Information Technology</i>	3		2	A:1	90
13	E731037 Embedded Systems: Hardware Synthesis <i>Bart Goossens -- Department of Telecommunications and Information Processing</i>	6		2	A:1	180
14	E731039 Analogue Electronics II <i>Patrick Van Torre -- Department of Information Technology</i>	6		2	A:1	180
15	E702060 Signals and Systems II <i>Jan Beyens -- Department of Information Technology</i>	3		2	A:2	90
16	E731028 Data Communication <i>Jo Verhaevert -- Department of Information Technology</i>	3		2	A:2	90
17	E731025 Digital Signal Processing <i>Paul Devos -- Department of Information Technology</i>	6		2	A:2	180
18	E731021 Multidisciplinary Engineering Project <i>Guy Torfs -- Department of Information Technology</i>	3		2	A:2	90

1.2 General Courses: Reduced Track

Depending on the student's previous degree and in accordance with the admission requirements.

1.2.1 Intake: Bachelor in de elektronica-ICT en aanverwante opleidingen

60 credits

For students with one of the following previous degrees: Bachelor in de autotechnologie, Bachelor in de elektronica-ICT, Bachelor in de energietechnologie, Bachelor in het energiemanagement, Bachelor of Electronics-ICT

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E701033 Mathematics I <i>Tanja Van Hecke -- Department of Information Technology</i>	6		1	A:1	180
2	E702010 Signals and Systems <i>Jan Beyens -- Department of Information Technology</i>	6		1	A:1	180
3	E761050 Computer Networks <i>Wouter Tavernier -- Department of Information Technology</i>	6		1	A:1	180
4	E731037 Embedded Systems: Hardware Synthesis <i>Bart Goossens -- Department of Telecommunications and Information Processing</i>	6		1	A:1	180

5	E731039	Analogue Electronics II <i>Patrick Van Torre -- Department of Information Technology</i>	6	1	A:1	180
6	E701034	Mathematics II <i>Tanja Van Hecke -- Department of Information Technology</i>	6	1	A:2	180
7	E702090	Statistics and Mathematical Data-analysis <i>Tanja Van Hecke -- Department of Information Technology</i>	6	1	A:2	180
8	E702060	Signals and Systems II <i>Jan Beyens -- Department of Information Technology</i>	3	1	A:2	90
9	E731036	Digital Electronics <i>Jan Aelterman -- Department of Telecommunications and Information Processing</i>	6	1	A:2	180
10	E731028	Data Communication <i>Jo Verhaevert -- Department of Information Technology</i>	3	1	A:2	90
11	E731025	Digital Signal Processing <i>Paul Devos -- Department of Information Technology</i>	6	1	A:2	180

1.2.2 Intake: Bachelor in de toegepaste informatica en aanverwante opleidingen

60 credits

For students with one of the following previous degrees: Bachelor in de toegepaste informatica, Bachelor of Applied Computer Science, Bachelor in de multimedia en creatieve technologie, Bachelor of Creative Technologies and Artificial Intelligence, Bachelor of Multimedia & Creative Technologies, Bachelor in de multimedia en de communicatietechnologie, Bachelor in de multimedia en de communicatietechnologie, afstudeerrichting: multimedia en communicatietechnologie

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E701033 Mathematics I <i>Tanja Van Hecke -- Department of Information Technology</i>	6		1	A:1	180
2	E702010 Signals and Systems <i>Jan Beyens -- Department of Information Technology</i>	6		1	A:1	180
3	E731037 Embedded Systems: Hardware Synthesis <i>Bart Goossens -- Department of Telecommunications and Information Processing</i>	6		1	A:1	180
4	E731039 Analogue Electronics II <i>Patrick Van Torre -- Department of Information Technology</i>	6		1	A:1	180
5	E701034 Mathematics II <i>Tanja Van Hecke -- Department of Information Technology</i>	6		1	A:2	180
6	E702090 Statistics and Mathematical Data-analysis <i>Tanja Van Hecke -- Department of Information Technology</i>	6		1	A:2	180
7	E702060 Signals and Systems II <i>Jan Beyens -- Department of Information Technology</i>	3		1	A:2	90
8	E731038 Analogue Electronics I <i>Patrick Van Torre -- Department of Information Technology</i>	6		1	A:2	180
9	E731036 Digital Electronics <i>Jan Aelterman -- Department of Telecommunications and Information Processing</i>	6		1	A:2	180
10	E731028 Data Communication <i>Jo Verhaevert -- Department of Information Technology</i>	3		1	A:2	90
11	E731025 Digital Signal Processing <i>Paul Devos -- Department of Information Technology</i>	6		1	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 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 2025-2026	f: annually, from 2026-2027	i: annually, from 2027-2028
b: tri-annually	d: bi-annually, from 2025-2026	g: bi-annually, from 2026-2027	j: bi-annually, from 2027-2028
	e: tri-annually, from 2025-2026	h: tri-annually, from 2026-2027	k: tri-annually, from 2027-2028