

Faculty of Engineering and Architecture

Linking Course Master of Science in Electrical Engineering Technology -- Electrical Engineering

Language of instruction: Dutch

Programme version 8

1 General Courses

The student takes one of the following tracks, depending on the result of the qualification test. The reduced track can only be followed on the condition that the student passes the qualification test.
More information on the qualification test: ugent.be/ea

1.1 General Courses

75 credits

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	E741060 Object oriented programming in C# <i>Veerle Ongenaes -- Department of Information Technology</i>	4		1	A:1	120
3	E741052 Electromechanical drive systems <i>Hendrik Vansompel -- Department of Electromechanical, Systems and Metal Engineering</i>	3		1	A:1	90
4	E741059 Integration of Renewable Energy <i>Jan Desmet -- Department of Electromechanical, Systems and Metal Engineering</i>	3		1	A:1	90
5	E702040 Electronics II <i>Stefaan Lambrecht -- Department of Information Technology</i>	6		1	A:1	180
6	E741051 PLC I <i>Tim Saillé -- Department of Electromechanical, Systems and Metal Engineering</i>	5		1	A:1	140
7	E701034 Mathematics II <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	E741046 Electric Drives <i>Peter Sergeant -- Department of Electromechanical, Systems and Metal Engineering</i>	6		1	A:2	180
10	E702090 Statistics and Mathematical Data-analysis <i>Tanja Van Hecke -- Department of Information Technology</i>	6		1	A:2	180
11	E702010 Signals and Systems <i>Jan Beyens -- Department of Information Technology</i>	6		2	A:1	180
12	E741039 CAD Electrotechnogy <i>Tim Saillé -- Department of Electromechanical, Systems and Metal Engineering</i>	3		2	A:1	90
13	E741058 Programming in C <i>Wim Van Den Breen -- Department of Information Technology</i>	3		2	A:1	90
14	E741023 Control Theory <i>Jan Beyens -- Department of Information Technology</i>	6		2	A:2	180
15	E741041 PLC II <i>Tim Saillé -- Department of Electromechanical, Systems and Metal Engineering</i>	3		2	A:2	90
16	E702060 Signals and Systems II <i>Jan Beyens -- Department of Information Technology</i>	3		2	A:2	90

1.2 General Courses: reduced track

64 credits

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	E741060	Object oriented programming in C# <i>Veerle Ongenae -- Department of Information Technology</i>	4	1	A:1	120
4	E741039	CAD Electrotechnogy <i>Tim Saillé -- Department of Electromechanical, Systems and Metal Engineering</i>	3	1	A:1	90
5	E741059	Integration of Renewable Energy <i>Jan Desmet -- Department of Electromechanical, Systems and Metal Engineering</i>	3	1	A:1	90
6	E741058	Programming in C <i>Wim Van Den Breen -- Department of Information Technology</i>	3	1	A:1	90
7	E741052	Electromechanical drive systems <i>Hendrik Vansompel -- Department of Electromechanical, Systems and Metal Engineering</i>	3	1	A:1	90
8	E701034	Mathematics II <i>Tanja Van Hecke -- Department of Information Technology</i>	6	1	A:2	180
9	E702090	Statistics and Mathematical Data-analysis <i>Tanja Van Hecke -- Department of Information Technology</i>	6	1	A:2	180
10	E741046	Electric Drives <i>Peter Sergeant -- Department of Electromechanical, Systems and Metal Engineering</i>	6	1	A:2	180
11	E741023	Control Theory <i>Jan Beyens -- Department of Information Technology</i>	6	1	A:2	180
12	E731018	Embedded Systems: Microcontrollers <i>Patrick Van Torre -- Department of Information Technology</i>	6	1	A:2	180
13	E702060	Signals and Systems II <i>Jan Beyens -- Department of Information Technology</i>	3	1	A:2	90
14	E741041	PLC II <i>Tim Saillé -- Department of Electromechanical, Systems and Metal Engineering</i>	3	1	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 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