GHENT UNIVERSITY

Study Programme

Academic year 2022-2023

Faculty of Engineering and Architecture

Master of Science in Electrical Engineering Technology -- Electrical Engineering

Language of instruction: Dutch

Programme version 9

1 General Courses — 18 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E745022	Data Aquisition *Guillaume Crevecoeur -- Department of Electromechanical, Systems and Metal Engineering*	3		1	A:1	90
2	E745024	Advanced Electric Drives *Peter Sergeant -- Department of Electromechanical, Systems and Metal Engineering*	6		1	A:1	170
3	E755009	Regulation Technique *Jan Beyens -- Department of Information Technology*	6		1	A:1	170
4	E755060	Servo Systems and Robotics *Tom Lefebvre -- Department of Electromechanical, Systems and Metal Engineering*	3		1	A:2	90

2 Courses Related to the Main Subject — 36 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E755008	Production of Electrical Energy *Christof Dauwels -- Department of Electromechanical, Systems and Metal Engineering*	3		1	A:1	85
2	E755040	Smart Grids *Lieven Vandevelde -- Department of Electromechanical, Systems and Metal Engineering*	6		1	A:1	180
3	E755050	Smart Electrical Energy Applications *Jan Desmet -- Department of Electromechanical, Systems and Metal Engineering*	3		1	A:2	90
4	E755018	CAD Electrotechnology: Business Case *Guillaume Crevecoeur -- Department of Electromechanical, Systems and Metal Engineering*	6		1	A:2	180

2.1 Master's Dissertation

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E705002	Master's Dissertation	18		1	B:J	540

3 Elective Courses — 6 credits

Subscribe to 6 credit units from the following list. Subject to approval by the faculty.
Only one elective course with reference a is allowed.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E755070	Smart Instrumentation *Paul Devos -- Department of Information Technology*	6			A:1	180
2	E755080	Web Technologies *Veerle Ongenae -- Department of Information Technology*	3			A:1	90
3	E736020	Computer Vision *Peter Veelaert -- Department of Telecommunications and Information Processing*	6			A:2	180
4	E735090	Applied Machine Learning *Sofie Van Hoecke -- Department of Electronics and Information Systems*	6			A:1	180
5	E735018	Emerging Technologies in ICT and Automation *Jan Beyens -- Department of Information Technology*	3			A:2	90
6	E053642	Railway Technology Fundamentals [en] *Hendrik Bonne -- Department of Electromechanical, Systems and Metal Engineering*	3			A:1	90

7	E053643	Advanced Railway Technology [en] *Hendrik Bonne -- Department of Electromechanical, Systems and Metal Engineering*	3		A:2	90
8	E721046	Environmental Management *Diederik Rousseau -- Department of Green Chemistry and Technology*	3		A:1	90
9	E745027	Sustainable Engineering Techniques *Tom Depover -- Department of Materials, Textiles and Chemical Engineering*	3		A:1	90
10	E741057	Thermal Energy: Installation Components *Wim Beyne -- Department of Electromechanical, Systems and Metal Engineering*	4		A:2	120
11	E735027	Biomedical Electronics *Paul Devos -- Department of Information Technology*	3		A:1	90
12	E076431	Introduction to Entrepreneurship [en] *Petra Andries -- Department of Marketing, Innovation and Organisation*	3		A:1	90
13	E076450	Basic Entrepreneurship *Yannick Dillen -- Department of Marketing, Innovation and Organisation*	3	UKV	A:1	90
14	E076460	Dare to Venture [en] *Johan Verrue -- Department of Marketing, Innovation and Organisation*	4		A:2	120
15	E076471	Dare to Start [en] *Frank Gielen -- Department of Information Technology*	3		A:2	90
16	A003001	Academic English [en] *Geert Jacobs -- Department of Linguistics*	3	UKV	B:1, A:2	90
17	K001339	Sustainability Thinking *Thomas Block -- Department of Political Sciences*	5	UKV	A:J	150
18	I002702	Clean Technology: Assessment Methods [en] *Sophie Huysveld -- Department of Green Chemistry and Technology*	3		A:1	90
19	E745050	Vehicle Technology *Frédéric Maes -- Department of Electromechanical, Systems and Metal Engineering*	3		A:2	90
20	E099600	Industry Internship Engineering Technology [en, nl] *Patrick Segers -- Department of Electronics and Information Systems*	6	a	A:J	180
21	E099600	Industry Internship Engineering Technology [en, nl] *Patrick Segers -- Department of Electronics and Information Systems*	3	a	B:J	90
22	E099400	Research Internship [en] *Patrick Segers -- Department of Electronics and Information Systems*	6	a	A:J	180
23	E099400	Research Internship [en] *Patrick Segers -- Department of Electronics and Information Systems*	3	a	B:J	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 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 2023-2024	f: annually, from 2024-2025	i: annually, from 2025-2026
b: tri-annually	d: bi-annually, from 2023-2024	g: bi-annually, from 2024-2025	j: bi-annually, from 2025-2026
	e: tri-annually, from 2023-2024	h: tri-annually, from 2024-2025	k: tri-annually, from 2025-2026