

Faculty of Engineering and Architecture

Master of Science in Electrical Engineering Technology -- Automation

Language of instruction: Dutch

Programme version 13

## 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 33 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E755080 Web Technologies Veerle Ongenaes -- Department of Information Technology	3		1	A:1	90
2	E755070 Smart Instrumentation Paul Devos -- Department of Information Technology	6		1	A:1	180
3	E736020 Computer Vision Hiep Luong -- Department of Telecommunications and Information Processing	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 9 credits

Subscribe to 9 credit units from the following list. Subject to approval by the faculty.  
Only one course with reference a is allowed.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E755008 Production of Electrical Energy Christof Dauwels -- Department of Electromechanical, Systems and Metal Engineering	3			A:1	85
2	E755040 Smart Grids Lieven Vandeveldel -- Department of Electromechanical, Systems and Metal Engineering	6			A:1	180
3	E755018 CAD Electrotechnology: Business Case Guillaume Crevecoeur -- Department of Electromechanical, Systems and Metal Engineering	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 [en] 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	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	I002702	Clean Technology: Assessment Methods [en] Sophie Huysveld -- Department of Green Chemistry and Technology	3		A:1	90
18	E745050	Vehicle Technology Frédéric Maes -- Department of Electromechanical, Systems and Metal Engineering	3		A:2	90
19	E099600	Industry Internship Engineering Technology [en, nl] Patrick Segers -- Department of Electronics and Information Systems	6	a	A:J	180
20	E099600	Industry Internship Engineering Technology [en, nl] Patrick Segers -- Department of Electronics and Information Systems	3	a	B:J	90
21	E099400	Research Internship [en] Patrick Segers -- Department of Electronics and Information Systems	6	a	A:J	180
22	E099400	Research Internship [en] Patrick Segers -- Department of Electronics and Information Systems	3	a	B:J	90
23	E098010	Integrated Portfolio [en, nl] Hiep Luong -- Department of Telecommunications and Information Processing	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 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