

Faculty of Engineering and Architecture

Master of Science in Electrical Engineering Technology -- Automation

Language of instruction: Dutch

Programme version 15

## 1 General Courses 18 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E745022 Data Aquisition <i>Guillaume Crevecoeur -- Department of Electromechanical, Systems and Metal Engineering</i>	3		1	A:1	90
2	E745024 Advanced Electric Drives <i>Peter Sergeant -- Department of Electromechanical, Systems and Metal Engineering</i>	6		1	A:1	170
3	E755009 Regulation Technique <i>Tom Lefebvre -- Department of Electromechanical, Systems and Metal Engineering</i>	6		1	A:1	170
4	E755060 Servo Systems and Robotics <i>Tom Lefebvre -- Department of Electromechanical, Systems and Metal Engineering</i>	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 <i>Veerle Ongenaë -- Department of Information Technology</i>	3		1	A:1	90
2	E755070 Smart Instrumentation <i>Paul Devos -- Department of Information Technology</i>	6		1	A:1	180
3	E736050 Embedded Computer Vision <i>Hiep Luong -- Department of Telecommunications and Information Processing</i>	6		1	A:2	180

### 2.1 Master's Dissertation

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E705002 Master's Dissertation	18		1	A: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 <i>Christof Dauwels -- Department of Electromechanical, Systems and Metal Engineering</i>	3			A:1	85
2	E755040 Smart Grids <i>Lieven Vandevelde -- Department of Electromechanical, Systems and Metal Engineering</i>	6			A:1	180
3	E755018 CAD Electrotechnology: Business Case <i>Guillaume Crevecoeur -- Department of Electromechanical, Systems and Metal Engineering</i>	6			A:2	180
4	E735090 Applied Machine Learning <i>Sofie Van Hoecke -- Department of Electronics and Information Systems</i>	6			A:1	180
5	E053642 Railway Technology Fundamentals [en] <i>Hendrik Bonne -- Department of Electromechanical, Systems and Metal Engineering</i>	3			A:2	90
6	E721046 Environmental Management <i>Diederik Rousseau -- Department of Green Chemistry and Technology</i>	3			A:1	90
7	E741057 Thermal Energy: Installation Components <i>Wim Beyne -- Department of Electromechanical, Systems and Metal Engineering</i>	4			A:2	120
8	E735027 Biomedical Electronics <i>Paul Devos -- Department of Information Technology</i>	3			A:1	90

9	F001020	Introduction to Entrepreneurship [en] <i>Petra Andries -- Department of Marketing, Innovation and Organisation</i>	3		A:1	90
10	F001021	Basic Entrepreneurship <i>Evy Van Lancker -- Department of Marketing, Innovation and Organisation</i>	3	UKV	A:1	90
11	F001022	Dare to Venture [en] <i>Johan Verrue -- Department of Marketing, Innovation and Organisation</i>	4		A:2	120
12	E076471	Dare to Start [en] <i>Wouter Haerick -- Department of Information Technology</i>	3		A:2	90
13	A003001	Academic English [en] <i>Geert Jacobs -- Department of Linguistics</i>	3	UKV	B:1, A:2	90
14	I003062	Sustainability Assessment [en] <i>Jo Dewulf -- Department of Green Chemistry and Technology</i>	3		A:1	90
15	E745050	Vehicle Technology <i>Frédéric Maes -- Department of Electromechanical, Systems and Metal Engineering</i>	3		A:2	90
16	E099600	Industry Internship Engineering Technology [en, nl] <i>Patrick Segers -- Department of Electronics and Information Systems</i>	6	a	A:J	180
17	E099600	Industry Internship Engineering Technology [en, nl] <i>Patrick Segers -- Department of Electronics and Information Systems</i>	3	a	B:J	90
18	E099400	Research Internship [en] <i>Patrick Segers -- Department of Electronics and Information Systems</i>	6	a	A:J	180
19	E099400	Research Internship [en] <i>Patrick Segers -- Department of Electronics and Information Systems</i>	3	a	B:J	90
20	E098010	Integrated Portfolio [en, nl] <i>Hiep Luong -- Department of Telecommunications and Information Processing</i>	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 2027-2028	f: annually, from 2028-2029	i: annually, from 2029-2030
b: tri-annually	d: bi-annually, from 2027-2028	g: bi-annually, from 2028-2029	j: bi-annually, from 2029-2030
	e: tri-annually, from 2027-2028	h: tri-annually, from 2028-2029	k: tri-annually, from 2029-2030