GHENT UNIVERSITY

Study Programme

Academic year 2021-2022

Faculty of Engineering and Architecture

Preparatory Course Master of Science in Electromechanical Engineering Technology

Language of instruction: Dutch

Programme version 5

1 General Courses

1.1 Intake: Bachelor of Science in Engineering Technology

1.1.1 General Courses

42 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E741044	Electrical Energy *Peter Sergeant -- Department of Electromechanical, Systems and Metal Engineering*	5		1	A:1	150
2	E702030	Mechanics of Materials *Marc Wouters -- Department of Materials, Textiles and Chemical Engineering*	3		1	A:1	90
3	E741026	Electrical Design of Industrial Installations *Peter Sergeant -- Department of Electromechanical, Systems and Metal Engineering*	6		1	A:2	180
4	E741027	CAD and Manufacturing Techniques *Jan De Strooper -- Department of Electromechanical, Systems and Metal Engineering*	6		1	A:2	180
5	E741050	Fluid machines *Joris Degroote -- Department of Electromechanical, Systems and Metal Engineering*	3		1	A:2	90
6	E741051	PLC I *Tim Saillé -- Department of Electromechanical, Systems and Metal Engineering*	5		1	A:1	140
7	E741034	Pneumatic and Hydraulic Drives *Jan De Strooper -- Department of Electromechanical, Systems and Metal Engineering*	6		1	A:1	180
8	E741035	CAD Applications *Stijn Hertelé -- Department of Electromechanical, Systems and Metal Engineering*	3		1	B:1	90
9	E741056	Manufacturing Technology *Wim De Waele -- Department of Electromechanical, Systems and Metal Engineering*	5		1	A:2	150

1.1.2 General Courses depending on the previous degree

Subscribe to no more than 48 credit units from the Bachelor of Science in Electromechanical Engineering Technology depending on the student's previous degree. Subject to approval by the faculty.

1.2 Intake: Bachelor of Science in Electromechanical Engineering, Bachelor of Science in Engineering, main subject Electromechanical Engineering

1.2.1 General Courses

42 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E741044	Electrical Energy *Peter Sergeant -- Department of Electromechanical, Systems and Metal Engineering*	5		1	A:1	150
2	E702030	Mechanics of Materials *Marc Wouters -- Department of Materials, Textiles and Chemical Engineering*	3		1	A:1	90
3	E741026	Electrical Design of Industrial Installations *Peter Sergeant -- Department of Electromechanical, Systems and Metal Engineering*	6		1	A:2	180
4	E741027	CAD and Manufacturing Techniques *Jan De Strooper -- Department of Electromechanical, Systems and Metal Engineering*	6		1	A:2	180
5	E741050	Fluid machines *Joris Degroote -- Department of Electromechanical, Systems and Metal Engineering*	3		1	A:2	90

6	E741051	PLC I *Tim Saillé -- Department of Electromechanical, Systems and Metal Engineering*	5	1	A:1	140
7	E741034	Pneumatic and Hydraulic Drives *Jan De Strooper -- Department of Electromechanical, Systems and Metal Engineering*	6	1	A:1	180
8	E741035	CAD Applications *Stijn Hertelé -- Department of Electromechanical, Systems and Metal Engineering*	3	1	B:1	90
9	E741056	Manufacturing Technology *Wim De Waele -- Department of Electromechanical, Systems and Metal Engineering*	5	1	A:2	150

1.2.2 General Courses depending on the previous degree

Subscribe to no more than 48 credit units from the Bachelor of Science in Electromechanical Engineering Technology depending on the student's previous degree. Subject to approval by the faculty.

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 2022-2023	f: annually, from 2023-2024	i: annually, from 2024-2025
b: tri-annually	d: bi-annually, from 2022-2023	g: bi-annually, from 2023-2024	j: bi-annually, from 2024-2025
	e: tri-annually, from 2022-2023	h: tri-annually, from 2023-2024	k: tri-annually, from 2024-2025