

Study Programme

Academic year 2022-2023

Faculty of Engineering and Architecture Bachelor of Science in Engineering Technology -- Machine and Production Automation

Campus: Courtray Language of instruction: Dutch

Programme version 1

1 General Courses

Nr	Course		CRDT	Ref MT1	Session	Study
1	E610004	Mathematics I Eric Laermans Department of Information Technology	6	1	A:1	180
2	1610008	General Chemistry Christophe Wille Department of Food Technology, Safety and Health	6	1	A:1	180
3	E610014	Electricity Kurt Stockman Department of Electromechanical, Systems and Metal Engineering	6	1	A:1	180
4	E610051	Design Tools Olivier Rysman Department of Industrial Systems Engineering and Product Design	4	1	A:1	120
5	E610019	Materials Geert De Clercq Department of Materials, Textiles and Chemical Engineering	3	1	A:1	90
6	E610013	Mechanics Michael Monte Department of Electromechanical, Systems and Metal Engineering	6	1	A:J	180
7	E610052	Engineering Project Kurt Stockman Department of Electromechanical, Systems and Metal Engineering	5	1	A:J	150
8	E610005	Mathematics II Pieter Audenaert Department of Information Technology	6	1	A:2	180
9	E610016	Physics Michael Monte Department of Electromechanical, Systems and Metal Engineering	6	1	A:2	180
10	E610053	Computer Science Jan Devos Department of Industrial Systems Engineering and Product Design	6	1	A:2	180
11	E610054	Sustainable Energy Technologies Jos Knockaert Department of Electromechanical, Systems and Metal Engineering	3	1	A:2	90
12	E610055	Electronics Sam Lemey Department of Information Technology	3	1	A:2	90
2	General	Courses			12	credits
Nr	Course		CRDT	Ref MT1	Session	Study
1	E620100	Signals and Systems Sam Lemey Department of Information Technology	6	2	A:1	180
2	E620052	Mechanics of Materials Michael Monte Department of Electromechanical, Systems and Metal Engineering	3	2	A:1	90
3	E620702	Business Administration Ludo Poelaert Department of Industrial Systems Engineering and Product Design	3	3	A:2	90
3	Courses	Related to the Main Subject			108	credits
Nr	Course		CRDT	Ref <u>MT1</u>	Session	Study
1	E620700	Design Tools II Olivier Rysman Department of Industrial Systems Engineering and Product Design	3	2	A:1	90

180

2

6

A:1

60 credits

3	E620500	Object Oriented Programming Veerle Ongenae Department of Information Technology	3	2	A:1	90
4	E620400	Electronics II Sam Lemey Department of Information Technology	6	2	A:1	180
5	E620600	Electrical Systems Jos Knockaert Department of Electromechanical, Systems and Metal Engineering	3	2	A:1	90
6	E620063	Production Control Isabel Sweertvaegher Department of Industrial Systems Engineering and Product Design	6	2	A:2	180
7	E620061	Machine Design and Safety Bart Vanwalleghem Department of Electromechanical, Systems and Metal Engineering	6	2	A:2	180
8	E620062	Applied Electronics Jos Knockaert Department of Electromechanical, Systems and Metal Engineering	6	2	A:2	180
9	E620064	Electric Drives Jos Knockaert Department of Electromechanical, Systems and Metal Engineering	6	2	A:2	180
10	E620065	Electrical Design I Jan Desmet Department of Electromechanical, Systems and Metal Engineering	3	2	A:2	90
11	E620048	Statistics Eric Laermans Department of Information Technology	3	2	A:2	90
12	E630200	Production Communication Dieter Vandenhoeke Department of Industrial Systems Engineering and Product Design	6	3	A:1	180
13	E630100	Mechanical Drive Systems Bart Vanwalleghem Department of Electromechanical, Systems and Metal Engineering	6	3	A:1	180
14	E630300	Variable Speed Drives Kurt Stockman Department of Electromechanical, Systems and Metal Engineering	6	3	A:1	180
15	E630400	Electrical Design II Steve Dereyne Department of Electromechanical, Systems and Metal Engineering	6	3	A:1	180
16	E630023	Control Engineering Kurt Stockman Department of Electromechanical, Systems and Metal Engineering	6	3	A:1	180
17	E630700	Production Software Dieter Vandenhoeke Department of Industrial Systems Engineering and Product Design	6	3	A:2	180
18	E630500	Sizing of Electromechanic Drive Trains Kurt Stockman Department of Electromechanical, Systems and Metal Engineering	5	3	A:2	150
19	E630600	Kinematics and Dynamics Michael Monte Department of Electromechanical, Systems and Metal Engineering	4	3	A:2	120
20	E630800	Wireless Communication Ingrid Moerman Department of Information Technology	3	3	A:2	90
21	E630900	Rapid Control Prototyping Bart Vanwalleghem Department of Electromechanical, Systems and Metal Engineering	3	3	A:2	90
22	E630710	Bachelor's Dissertation Johannes Cottyn Department of Industrial Systems Engineering and Product Design	6	3	A:2	180

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: P	blish sh: Kroatian/Serbian zh: Chinese
cs: Czech el: Greek fr: French nl: Dutch pt: P	brtuguese sl: Slovene
da: Danish en: English it: Italian no: Norwegian ru: F	ussian 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