

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 60 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E610004 Mathematics I Eric Laermans -- Department of Information Technology	6		1	A:1	180
2	I610008 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 Birger Raa -- 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	MT1	Session	Study
1	E620700 Design Tools II Olivier Rysman -- Department of Industrial Systems Engineering and Product Design	3		2	A:1	90
2	E620032 Applied Fluid Mechanics and Thermodynamics Martijn van den Broek -- Department of Electronics and Information Systems	6		2	A:1	180
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:2	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:1	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 Jeroen Hoebeke -- 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 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