Study Programme

Academic year 2022-2023

Faculty of Engineering and Architecture

Bachelor of Science in Engineering Technology -- Information Engineering Technology

Language of instruction: Dutch

Programme version 4

1 General Courses — 60 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E701033	Mathematics I	6		1	A:1	180
		Tanja Van Hecke -- Department of Information Technology					
2	E701023	General Chemistry	6		1	A:1	180
		Maarten Sabbe -- Department of Materials, Textiles and Chemical Engineering					
3	E701024	Electricity	6		1	A:1	180
		Luc Dupré -- Department of Electromechanical, Systems and Metal Engineering					
4	E701051	Design Tools	4		1	A:1	120
		Kathleen Gekiere -- Department of Structural Engineering and Building Materials					
5	E701029	Materials	3		1	A:1	90
		Geert De Clercq -- Department of Materials, Textiles and Chemical Engineering					
6	E701030	Mechanics	6		1	A:J	180
		Tom Claessens -- Department of Materials, Textiles and Chemical Engineering					
7	E701052	Engineering Project	5		1	A:J	150
		Kathleen Gekiere -- Department of Structural Engineering and Building Materials					
8	E701034	Mathematics II	6		1	A:2	180
		Tanja Van Hecke -- Department of Information Technology					
9	E701056	Physics	6		1	A:2	180
		Christophe Leys -- Department of Applied Physics					
10	E701053	Computer Science	6		1	A:2	180
		Helga Naessens -- Department of Information Technology					
11	E701054	Sustainable Energy Technologies	3		1	A:2	90
		Johan Lauwaert -- Department of Electronics and Information Systems					
12	E701055	Electronics	3		1	A:2	90
		Jo Verhaevert -- Department of Information Technology					

2 General Courses — 15 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E702010	Signals and Systems	6		2	A:1	180
		Jan Beyens -- Department of Information Technology					
2	E702090	Statistics and Mathematical Data-analysis	6		2	A:2	180
		Tanja Van Hecke -- Department of Information Technology					
3	E702702	Business Administration	3		3	A:2	90
		Ludo Poelaert -- Department of Industrial Systems Engineering and Product Design					

3 Courses Related to the Main Subject — 102 credits

In het overgangsjaar 2021-2022 wordt 'Discrete wiskunde' tweemaal aangeboden in het programma: éénmaal aan studenten in het tweede bachelorjaar, éénmaal aan studenten in het derde bachelorjaar. Elke student dient dit vak slechts éénmaal op te nemen.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E702040	Electronics II	6		2	A:1	180
		Stefaan Lambrecht -- Department of Information Technology					

Nr	Course		CRDT	Ref	MT1	Session	Study
2	E702050	Object Oriented Programming	6		2	A:1	180
		Helga Naessens -- Department of Information Technology					
3	E761029	Discrete Mathematics	3		2	A:1	90
		Jeroen van der Hooft -- Department of Information Technology					
4	E761018	Programming in C and C++	6		2	A:1	180
		Helga Naessens -- Department of Information Technology					
5	E702060	Signals and Systems II	3		2	A:2	90
		Jan Beyens -- Department of Information Technology					
6	E761035	Software Engineering	6		2	A:2	180
		Veerle Ongenae -- Department of Information Technology					
7	E761036	User Interfaces	6		2	A:2	180
		Veerle Ongenae -- Department of Information Technology					
8	E761037	Software Project	3		2	A:2	90
		Veerle Ongenae -- Department of Information Technology					
9	E761060	Operating Systems	6		2	A:2	180
		Wim Van Den Breen -- Department of Information Technology					
10	E761038	Server-side application frameworks	6		3	A:1	180
		Veerle Ongenae -- Department of Information Technology					
11	E761028	Relational Databases	6		3	A:1	180
		Guy De Tré -- Department of Telecommunications and Information Processing					
12	E702100	Computer Hardware	6		3	A:1	180
		Wim Van Den Breen -- Department of Information Technology					
13	E761039	Data structures	3		3	A:1	90
		Sam Leroux -- Department of Information Technology					
14	E761040	Distributed data processing	3		3	B:2	90
		Bruno Volckaert -- Department of Information Technology					
15	E761041	Software Development & Operations	3		3	A:1	90
		Bruno Volckaert -- Department of Information Technology					
16	E761050	Computer Networks	6		3	A:1	180
		Wouter Tavernier -- Department of Information Technology					
17	C002126	Multimedia	6		3	A:2	180
		Peter Lambert -- Department of Electronics and Information Systems					
18	E761070	Network Management	3		3	A:2	90
		Wouter Tavernier -- Department of Information Technology					
19	E761042	Algorithms	6		3	A:2	180
		Pieter Simoens -- Department of Information Technology					
20	E731028	Data Communication	3		3	A:2	90
		Jo Verhaevert -- Department of Information Technology					
21	E761043	Interdisciplinary Project	6		3	A:2	180
		Helga Naessens -- Department of Information Technology					

4 Elective Courses — 3 credits

Subscribe to 3 credit units from the following list. Subject to approval by the faculty.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E702070	Physics of Waves and Particles	3		2	A:1	90
		Sven Van Loo -- Department of Applied Physics					
2	E076450	Basic Entrepreneurship	3	UKV	2	A:1	90
		Yannick Dillen -- Department of Marketing, Innovation and Organisation					
3	E721019	Research Methodology	3		2	A:2	90
		Jeroen Lauwaert -- Department of Materials, Textiles and Chemical Engineering					
4	E092100	Biosystems	3		2	A:1	90
		Pascal Verdonck -- Department of Electronics and Information Systems					
5	E075310	Ethics, Engineering and Society	3		2	A:2	90
		Guido Pennings -- Department of Philosophy and Moral Sciences					
6	C000957	Intellectual Property Rights	3		2	A:2	90
		Hendrik Vanhees -- Department of Interdisciplinary Study of Law, Private Law and Business Law					
7	A003001	Academic English [en]	3	UKV	2	B:1, A:2	90
		Geert Jacobs -- Department of Linguistics					

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 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