Study Programme

Academic year 2023-2024

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

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 *Sven Van Loo -- Department of Applied Physics*	3		2	A:1	90
2	E076450 Basic Entrepreneurship *Yannick Dillen -- Department of Marketing, Innovation and Organisation*	3	UKV	2	A:1	90
3	E721019 Research Methodology *Jeroen Lauwaert -- Department of Materials, Textiles and Chemical Engineering*	3		2	A:2	90
4	E092100 Biosystems *Pascal Verdonck -- Department of Electronics and Information Systems*	3		2	A:1	90
5	E075310 Ethics, Engineering and Society *Seppe Segers -- Department of Philosophy and Moral Sciences*	3		2	A:2	90
6	C000957 Intellectual Property Rights *Hendrik Vanhees -- Department of Interdisciplinary Study of Law, Private Law and Business Law*	3		2	A:2	90
7	A003001 Academic English [en] *Geert Jacobs -- Department of Linguistics*	3	UKV	2	B:1, A:2	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 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 2024-2025	f: annually, from 2025-2026	i: annually, from 2026-2027
b: tri-annually	d: bi-annually, from 2024-2025	g: bi-annually, from 2025-2026	j: bi-annually, from 2026-2027
	e: tri-annually, from 2024-2025	h: tri-annually, from 2025-2026	k: tri-annually, from 2026-2027