

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 <i>Tanja Van Hecke -- Department of Information Technology</i>	6		1	A:1	180
2	E701023 General Chemistry <i>Maarten Sabbe -- Department of Materials, Textiles and Chemical Engineering</i>	6		1	A:1	180
3	E701024 Electricity <i>Luc Dupré -- Department of Electromechanical, Systems and Metal Engineering</i>	6		1	A:1	180
4	E701051 Design Tools <i>Kathleen Gekiere -- Department of Structural Engineering and Building Materials</i>	4		1	A:1	120
5	E701029 Materials <i>Geert De Clercq -- Department of Materials, Textiles and Chemical Engineering</i>	3		1	A:1	90
6	E701030 Mechanics <i>Tom Claessens -- Department of Materials, Textiles and Chemical Engineering</i>	6		1	A:J	180
7	E701052 Engineering Project <i>Kathleen Gekiere -- Department of Structural Engineering and Building Materials</i>	5		1	A:J	150
8	E701034 Mathematics II <i>Tanja Van Hecke -- Department of Information Technology</i>	6		1	A:2	180
9	E701056 Physics <i>Sven Van Loo -- Department of Applied Physics</i>	6		1	A:2	180
10	E701053 Computer Science <i>Helga Naessens -- Department of Information Technology</i>	6		1	A:2	180
11	E701054 Sustainable Energy Technologies <i>Jeroen De Kooning -- Department of Electromechanical, Systems and Metal Engineering</i>	3		1	A:2	90
12	E701055 Electronics <i>Jo Verhaevert -- Department of Information Technology</i>	3		1	A:2	90

## 2 General Courses 15 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E702010 Signals and Systems <i>Martijn Huynen -- Department of Information Technology</i>	6		2	A:1	180
2	E702090 Statistics and Mathematical Data-analysis <i>Tanja Van Hecke -- Department of Information Technology</i>	6		2	A:2	180
3	E702702 Business Administration <i>Birger Raa -- Department of Industrial Systems Engineering and Product Design</i>	3		3	A:2	90

## 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 <i>Stefaan Lambrecht -- Department of Information Technology</i>	6		2	A:1	180

2	E702050	Object Oriented Programming	6	2		180
3	E761029	Discrete Mathematics <i>Cristina Tonesi -- Department of Information Technology</i>	3	2	A:1	90
4	E761018	Programming in C and C++ <i>Helga Naessens -- Department of Information Technology</i>	6	2	A:1	180
5	E702060	Signals and Systems II <i>Martijn Huynen -- Department of Information Technology</i>	3	2	A:2	90
6	E761035	Software Engineering <i>Veerle Ongenaë -- Department of Information Technology</i>	6	2	A:2	180
7	E761036	User Interfaces <i>Veerle Ongenaë -- Department of Information Technology</i>	6	2	A:2	180
8	E761037	Software Project <i>Veerle Ongenaë -- Department of Information Technology</i>	3	2	A:2	90
9	E761060	Operating Systems <i>Wim Van Den Breen -- Department of Information Technology</i>	6	2	A:2	180
10	E761038	Server-side application frameworks <i>Veerle Ongenaë -- Department of Information Technology</i>	6	3	A:1	180
11	E761028	Relational Databases <i>Guy De Tré -- Department of Telecommunications and Information Processing</i>	6	3	A:1	180
12	E702100	Computer Hardware <i>Wim Van Den Breen -- Department of Information Technology</i>	6	3	A:1	180
13	E761039	Data structures <i>Sam Leroux -- Department of Information Technology</i>	3	3	B:1	90
14	E761040	Distributed data processing <i>Bruno Volckaert -- Department of Information Technology</i>	3	3	B:2	90
15	E761041	Software Development & Operations <i>Bruno Volckaert -- Department of Information Technology</i>	3	3	A:1	90
16	E761050	Computer Networks <i>Wouter Tavernier -- Department of Information Technology</i>	6	3	A:1	180
17	C002126	Multimedia <i>Peter Lambert -- Department of Electronics and Information Systems</i>	6	3	A:2	180
18	E761070	Network Management <i>Wouter Tavernier -- Department of Information Technology</i>	3	3	A:2	90
19	E761042	Algorithms <i>Pieter Simoens -- Department of Information Technology</i>	6	3	A:2	180
20	E731028	Data Communication <i>Jo Verhaevert -- Department of Information Technology</i>	3	3	A:2	90
21	E761043	Interdisciplinary Project <i>Helga Naessens -- Department of Information Technology</i>	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 <i>Sven Van Loo -- Department of Applied Physics</i>	3		2	A:1	90
2	E076450 Basic Entrepreneurship <i>Yannick Dillen -- Department of Marketing, Innovation and Organisation</i>	3	UKV	2	A:1	90
3	E721019 Research Methodology <i>Jeroen Lauwaert -- Department of Materials, Textiles and Chemical Engineering</i>	3		2	A:2	90
4	E092100 Biosystems <i>Pascal Verdonck -- Department of Electronics and Information Systems</i>	3		2	A:1	90
5	E075310 Ethics, Engineering and Society <i>Seppe Segers -- Department of Philosophy and Moral Sciences</i>	3		2	A:2	90
6	C000957 Intellectual Property Rights <i>Hendrik Vanhees -- Department of Interdisciplinary Study of Law, Private Law and Business Law</i>	3		2	A:2	90
7	A003001 Academic English [en] <i>Geert Jacobs -- Department of Linguistics</i>	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 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 2026-2027	f: annually, from 2027-2028	i: annually, from 2028-2029
b: tri-annually	d: bi-annually, from 2026-2027	g: bi-annually, from 2027-2028	j: bi-annually, from 2028-2029
	e: tri-annually, from 2026-2027	h: tri-annually, from 2027-2028	k: tri-annually, from 2028-2029