

Faculty of Engineering and Architecture

Preparatory Course Master of Science in Information Engineering Technology

Language of instruction: Dutch

Programme version 9

1 General Courses

Subscribe to at most 90 credit units from 1 module (depending on the previous degree) from the following list. Subject to approval by the faculty.

1.1 Intake: Bachelor of Science in Engineering Technology

1.1.1 General Courses

54 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E761038 Server-side application frameworks <i>Veerle Ongenaë -- Department of Information Technology</i>	6		1	A:1	180
2	C003771 Databases <i>Guy De Tré -- Department of Telecommunications and Information Processing</i>	6		1	A:1	180
3	E761029 Discrete Mathematics <i>Cristina Tonesi -- Department of Information Technology</i>	3		1	A:1	90
4	E761039 Data structures <i>Sam Leroux -- Department of Information Technology</i>	3		1	A:2	90
5	E761041 Software Development & Operations <i>Bruno Volckaert -- Department of Information Technology</i>	3		1	A:1	90
6	E761060 Operating Systems <i>Wim Van Den Breen -- Department of Information Technology</i>	6		1	A:2	180
7	E761090 Software Design <i>Veerle Ongenaë -- Department of Information Technology</i>	3		1	A:2	90
8	E761036 User Interfaces <i>Veerle Ongenaë -- Department of Information Technology</i>	6		1	A:2	180
9	C002126 Multimedia <i>Peter Lambert -- Department of Electronics and Information Systems</i>	6		1	A:2	180
10	E761042 Algorithms <i>Pieter Simoens -- Department of Information Technology</i>	6		1	A:2	180
11	E761070 Network Management <i>Wouter Tavernier -- Department of Information Technology</i>	3		1	A:2	90
12	E761040 Distributed data processing <i>Bruno Volckaert -- Department of Information Technology</i>	3		1	B:2	90

1.1.2 General Courses depending on the previous degree

Subscribe to no more than 36 credit units from the Bachelor of Science in Engineering Technology, main subject Information Engineering Technology, depending on the student's previous degree. Subject to approval by the faculty.

1.2 Intake: Bachelor of Science in Computer Science Engineering, Bachelor of Science in Engineering, main subject Computer Science Engineering

1.2.1 General Courses

3 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E761070 Network Management <i>Wouter Tavernier -- Department of Information Technology</i>	3		1	A:2	90

1.2.2 General Courses depending on the previous degree

Subscribe to no more than 87 credit units from the Bachelor of Science in Engineering Technology, main subject Information

1.3 Intake: Bachelor of Science in Informatics

1.3.1 General Courses

3 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E761070 Network Management <i>Wouter Tavernier -- Department of Information Technology</i>	3		1	A:2	90

1.3.2 General Courses depending on the previous degree

Subscribe to no more than 87 credit units from the Bachelor of Science in Engineering Technology, main subject Information Engineering Technology, depending on the student's previous degree. Subject to approval by the faculty.

1.4 Intake Bachelor of Science in Engineering, main subject Electrical Engineering

81 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E702210 Advanced Programming <i>Helga Naessens -- Department of Information Technology</i>	6		1	A:1	180
2	E761018 Programming in C and C++ <i>Helga Naessens -- Department of Information Technology</i>	6		1	A:1	180
3	E761038 Server-side application frameworks <i>Veerle Ongenaë -- Department of Information Technology</i>	6		1	A:1	180
4	E761039 Data structures <i>Sam Leroux -- Department of Information Technology</i>	3		1	A:2	90
5	E702100 Computer Hardware <i>Wim Van Den Breen -- Department of Information Technology</i>	6		1	A:1	180
6	E761029 Discrete Mathematics <i>Cristina Tonesi -- Department of Information Technology</i>	3		1	A:1	90
7	C003771 Databases <i>Guy De Tré -- Department of Telecommunications and Information Processing</i>	6		1	A:1	180
8	E761070 Network Management <i>Wouter Tavernier -- Department of Information Technology</i>	3		1	A:2	90
9	E761060 Operating Systems <i>Wim Van Den Breen -- Department of Information Technology</i>	6		1	A:2	180
10	E761090 Software Design <i>Veerle Ongenaë -- Department of Information Technology</i>	3		1	A:2	90
11	E761036 User Interfaces <i>Veerle Ongenaë -- Department of Information Technology</i>	6		1	A:2	180
12	C002126 Multimedia <i>Peter Lambert -- Department of Electronics and Information Systems</i>	6		1	A:2	180
13	E761040 Distributed data processing <i>Bruno Volckaert -- Department of Information Technology</i>	3		1	B:2	90
14	E761041 Software Development & Operations <i>Bruno Volckaert -- Department of Information Technology</i>	3		2	A:1	90
15	E761042 Algorithms <i>Pieter Simoens -- Department of Information Technology</i>	6		2	A:2	180
16	E731028 Data Communication <i>Jo Verhaever -- Department of Information Technology</i>	3		2	A:2	90
17	E761043 Interdisciplinary Project <i>Helga Naessens -- Department of Information Technology</i>	6		2	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 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