

Faculty of Engineering and Architecture

Linking Course Master of Science in Information Engineering Technology

Language of instruction: Dutch

Programme version 13

1 General Courses

The student takes one of the following tracks, depending on the result of the qualification test. The reduced track can only be followed on the condition that the student passes the qualification test.
More information on the qualification test: ugent.be/ea

1.1 General Courses

90 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	E761029 Discrete Mathematics <i>Cristina Tonesi -- Department of Information Technology</i>	3		1	A:1	90
3	E761018 Programming in C and C++ <i>Helga Naessens -- Department of Information Technology</i>	6		1	A:1	180
4	E761050 Computer Networks <i>Wouter Tavernier -- Department of Information Technology</i>	6		1	A:1	180
5	E761100 Software Development & Operations <i>Bruno Volckaert -- Department of Information Technology</i>	3		1	B:1	90
6	E701034 Mathematics II <i>Tanja Van Hecke -- Department of Information Technology</i>	6		1	A:2	180
7	E761039 Data structures <i>Sam Leroux -- Department of Information Technology</i>	3		1	A:2	90
8	E702090 Statistics and Mathematical Data-analysis <i>Tanja Van Hecke -- Department of Information Technology</i>	6		1	A:2	180
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 Ongenaes -- Department of Information Technology</i>	3		1	A:2	90
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
13	E761042 Algorithms <i>Pieter Simoens -- Department of Information Technology</i>	6		2	A:1	180
14	E702010 Signals and Systems <i>Martijn Huynen -- Department of Information Technology</i>	6		2	A:1	180
15	E761080 Machine Learning <i>Pieter Simoens -- Department of Information Technology</i>	6		2	A:1	180
16	E765003 Network and Computer Security <i>Eli De Poorter -- Department of Information Technology</i>	6		2	A:2	170

1.1.1 General Courses depending on the student's previous degree

The student takes one of the modules below, depending on the previous degree.

1.1.1.1 Intake: Bachelor in de toegepaste informatica

12 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
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1	E702100	Computer Hardware <i>Wim Van Den Breen -- Department of Information Technology</i>	6	1	A:1	180
2	C002126	Multimedia <i>Peter Lambert -- Department of Electronics and Information Systems</i>	6	2	A:2	180

1.1.1.2 Intake: Bachelor in de elektronica-ICT

12 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C003771 Databases <i>Guy De Tré -- Department of Telecommunications and Information Processing</i>	6		1	A:1	180
2	C002126 Multimedia <i>Peter Lambert -- Department of Electronics and Information Systems</i>	6		2	A:2	180

1.1.1.3 Intake: Bachelor in de multimedia en de communicatietechnologie

12 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C003771 Databases <i>Guy De Tré -- Department of Telecommunications and Information Processing</i>	6		1	A:1	180
2	E702100 Computer Hardware <i>Wim Van Den Breen -- Department of Information Technology</i>	6		2	A:1	180

1.2 General Courses: reduced track

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	E702010 Signals and Systems <i>Martijn Huynen -- Department of Information Technology</i>	6		1	A:1	180
3	E761029 Discrete Mathematics <i>Cristina Tonesi -- Department of Information Technology</i>	3		1	A:1	90
4	E761018 Programming in C and C++ <i>Helga Naessens -- Department of Information Technology</i>	6		1	A:1	180
5	E761039 Data structures <i>Sam Leroux -- Department of Information Technology</i>	3		1	A:2	90
6	E701034 Mathematics II <i>Tanja Van Hecke -- Department of Information Technology</i>	6		1	A:2	180
7	E702090 Statistics and Mathematical Data-analysis <i>Tanja Van Hecke -- Department of Information Technology</i>	6		1	A:2	180
8	E761070 Network Management <i>Wouter Tavernier -- Department of Information Technology</i>	3		1	A:2	90
9	E761040 Distributed data processing <i>Bruno Volckaert -- Department of Information Technology</i>	3		1	B:2	90
10	E761042 Algorithms <i>Pieter Simoens -- Department of Information Technology</i>	6		1	A:1	180
11	E761080 Machine Learning <i>Pieter Simoens -- Department of Information Technology</i>	6		1	A:1	180
12	E765003 Network and Computer Security <i>Eli De Poorter -- Department of Information Technology</i>	6		1	A:2	170

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 2027-2028	f: annually, from 2028-2029	i: annually, from 2029-2030
b: tri-annually	d: bi-annually, from 2027-2028	g: bi-annually, from 2028-2029	j: bi-annually, from 2029-2030
	e: tri-annually, from 2027-2028	h: tri-annually, from 2028-2029	k: tri-annually, from 2029-2030