

Faculty of Engineering and Architecture

Master of Science in Information Engineering Technology

Language of instruction: Dutch

Programme version 13

1 General Courses 27 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E765003 Network and Computer Security <i>Eli De Poorter -- Department of Information Technology</i>	6		1	A:1	170
2	E761080 Machine Learning <i>Pieter Simoens -- Department of Information Technology</i>	6		1	A:1	180
3	E765024 Advanced Algorithms <i>Pieter Audenaert -- Department of Information Technology</i>	6		1	A:1	180
4	E765027 Systems Design [en] <i>Merlijn Sebrecchts -- Department of Information Technology</i>	3		1	A:1	90
5	E765025 System Administration [en] <i>Bruno Volckaert -- Department of Information Technology</i>	6		1	A:2	170

2 Elective Courses 15 credits

Subscribe to 15 credit units from no less than 1 and no more than 3 modules from the following list. Subject to approval by the faculty.

2.1 Elective Courses Informatics

Subscribe to no less than 3 and no more than 15 credit units from the following list. Subject to approval by the faculty.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E018700 Data Quality [en] <i>Antoon Bronselaer -- Department of Telecommunications and Information Processing</i>	3			A:1	90
2	E018130 NoSQL Databases [en] <i>Antoon Bronselaer -- Department of Telecommunications and Information Processing</i>	3			A:2	90
3	E018520 Compilers [en] <i>Bjorn De Sutter -- Department of Electronics and Information Systems</i>	6			A:2	180
4	E012320 Mobile and Broadband Access Networks [en] <i>Ingrid Moerman -- Department of Information Technology</i>	6			B:2	180
5	E736050 Embedded Computer Vision <i>Hiep Luong -- Department of Telecommunications and Information Processing</i>	6			A:2	180
6	E019170 Internet of Things [en] <i>Jeroen Hoebeke -- Department of Information Technology</i>	6			A:1	180
7	E016712 Computer Graphics [en] <i>Danilo Babin -- Department of Telecommunications and Information Processing</i>	6			A:2	180
8	E016712 Computer Graphics [en] <i>Danilo Babin -- Department of Telecommunications and Information Processing</i>	3			B:2	90
9	E731036 Digital Electronics <i>Jan Aelterman -- Department of Telecommunications and Information Processing</i>	6			A:2	180
10	E017942 Software Hacking and Protection [en] <i>Bjorn De Sutter -- Department of Electronics and Information Systems</i>	6			A:1	180
11	E017950 Secure Software and Systems [en] <i>Bart Coppens -- Department of Electronics and Information Systems</i>	6			A:2	180
12	E008711 Network Hacking and Protection [en] <i>Bruno Volckaert -- Department of Information Technology</i>	6			A:1	180

13	E076320	The Information Society and ICT <i>Erik Mannens -- Department of Electronics and Information Systems</i>	3			A:2	90
14	E076820	Project Management [en] <i>Mario Vanhoucke -- Department of Business Informatics and Operations Management</i>	6			A:2	180
15	E061380	Embedded Machine Learning [en] <i>Adnan Shahid -- Department of Information Technology</i>	3			A:2	90
16	E075310	Ethics, Engineering and Society <i>Seppe Segers -- Department of Philosophy and Moral Sciences</i>	3			A:2	90
17	C000957	Intellectual Property Rights <i>Hendrik Vanhees -- Department of Interdisciplinary Study of Law, Private Law and Business Law</i>	3			A:2	90
18	F001021	Basic Entrepreneurship <i>Evy Van Lancker -- Department of Marketing, Innovation and Organisation</i>	3	1		A:1	90

2.2 Elective Courses Internship

6 credits

Subscribe to no more than 6 credit units from the following list. Subject to approval by the faculty.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E099600 Industry Internship Engineering Technology [en, nl] <i>Patrick Segers -- Department of Electronics and Information Systems</i>	6			A:J	180
2	E099600 Industry Internship Engineering Technology [en, nl] <i>Patrick Segers -- Department of Electronics and Information Systems</i>	3			B:J	90
3	E760000 Summer of Code [en, nl] <i>Bruno Volckaert -- Department of Information Technology</i>	6			A:1	180
4	E760000 Summer of Code [en, nl] <i>Bruno Volckaert -- Department of Information Technology</i>	3			B:1	90

2.3 Elective Courses Ghent University

6 credits

Subscribe to no more than 6 credit units from the study programmes of Ghent University, including the [Ghent University elective courses](#) (excluding Programming (C003080) and Essentials of Artificial Intelligence: a Beginner's Guide (E099210)).

The electives are preferably selected from the study programmes in the third bachelor' year or from the master's programmes. They should be in line with the learning competences and should be broadening or deepening. Subject to approval by the faculty.

3 Master's Dissertation

18 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E705002 Master's Dissertation	18		1	A:J	540

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