Study Programme

Academic year 2024-2025

GHENT UNIVERSITY

Faculty of Engineering and Architecture

Master of Science in Computer Science Engineering

Language of instruction: English

Programme version 10

1 General Courses   60 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E034140	Parallel Computer Systems	6		1	A:1	180
		Lieven Eeckhout -- Department of Electronics and Information Systems					
2	E017930	Parallel and Distributed Software Systems	6		1	A:1	180
		Filip De Turck -- Department of Information Technology					
3	E017920	Design of Multimedia Applications	6		1	A:2	180
		Glenn Van Wallendael -- Department of Electronics and Information Systems					
4	E031710	Research Project	3		1	A:1	90
		Joris Walraevens -- Department of Telecommunications and Information Processing					
5	E033710	Design Project	9		1	A:J	270
		Femke De Backere -- Department of Information Technology					
6	E012320	Mobile and Broadband Access Networks	6		1	B:2	180
		Mario Pickavet -- Department of Information Technology					
7	E003600	Information Theory	6		1	B:2	180
		Heidi Steendam -- Department of Telecommunications and Information Processing					
8	E011322	Queueing Analysis and Simulation	6		1	A:1	180
		Joris Walraevens -- Department of Telecommunications and Information Processing					
9	E061330	Machine Learning	6		1	B:1	180
		Joni Dambre -- Department of Electronics and Information Systems					
10	E019400	Information Security	6		1	B:2	180
		Eric Laermans -- Department of Information Technology					

2 Elective Courses   36 credits

Subscribe to 36 credit units from 1 elective path from the following list. Subject to approval by the faculty.

2.1 Elective Path 1   36 credits

Subscribe to 36 credit units from no less than 1 and no more than 3 modules (2.1.1, 2.1.2, 2.1.3) from the following list. Subject to approval by the faculty.

2.1.1 Major, minor   18 credits

Subscribe to at least 1 major or minor from the following list. Subject to approval by the faculty.
Students can combine two majors of combine a major with a minor. A combination of two minors is not allowed.

2.1.1.1 Major Artificial Intelligence   18 credits

Subscribe to no less than 18 credit units from the following list, with no less than 12 credit units with reference a. Subject to approval by the faculty.

Students choosing the major AI, have to follow the course Artificial intelligence:
• either the course with course code E016330 for 6 credit units
• either the course with course code E016350, with 3 credit units in the Bachelor Computer Science Engineering, and 3 credit units in the Master Computer Science Engineering.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E061360	Reinforcement Learning	6	a		A:1	180
		Pieter Simoens -- Department of Information Technology					
2	E061341	Natural Language Processing	6	a		A:2	180
		Chris Develder -- Department of Information Technology					
3	E018230	Recommender Systems	6	a		A:2	180
		Toon De Pessemier -- Department of Information Technology					

Nr	Course		CRDT	Ref	MT1	Session	Study
4	E061350	Deep Generative Models	4	a		A:2	120
		Bart Dhoedt -- Department of Information Technology					
5	E016340	Probabilistic Graphical Models	4	a		A:2	120
		Aleksandra Pizurica -- Department of Telecommunications and Information Processing					
6	E061460	Computer Vision: Theory and Applications [nl]	6	a		A:2	180
		Hiep Luong -- Department of Telecommunications and Information Processing					
7	E019370	Robotics	6			A:1	180
		Tony Belpaeme -- Department of Electronics and Information Systems					
8	E031800	AI Research Seminar	3			A:1	90
		Tijl De Bie -- Department of Electronics and Information Systems					
9	E061370	Data Visualization for and with AI	3			A:1	90
		Jefrey Lijffijt -- Department of Electronics and Information Systems					
10	E018240	Big Data Technology	4			A:1	120
		Dieter De Witte -- Department of Electronics and Information Systems					
11	E018700	Data Quality	3			A:1	90
		Antoon Bronselaer -- Department of Telecommunications and Information Processing					
12	E003710	Game Theory and Multiagent Systems	6			A:1	180
		Heidi Steendam -- Department of Telecommunications and Information Processing					
13	E016360	Cognitive and Brain-Inspired Artificial Intelligence	3			A:2	90
		Tony Belpaeme -- Department of Electronics and Information Systems					
14	E010220	Speech Processing	4			A:2	120
		Kris Demuynck -- Department of Electronics and Information Systems					

2.1.1.2 Major Data Engineering   18 credits

Subscribe to no less than 18 credit units from the following list, with 12 credit units with reference a. Subject to approval by the faculty.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E018610	Database Design [nl]	4	a		A:1	120
		Guy De Tré -- Department of Telecommunications and Information Processing					
2	E018240	Big Data Technology	4	a		A:1	120
		Dieter De Witte -- Department of Electronics and Information Systems					
3	E017310	Cloud Storage and Computing	4	a		A:2	120
		Bruno Volckaert -- Department of Information Technology					
4	E018250	Big Data Algorithms	3			A:2	90
		Dieter De Witte -- Department of Electronics and Information Systems					
5	E034150	Blockchain Technologies and Applications	3			A:1	90
		Bjorn De Sutter -- Department of Electronics and Information Systems					
6	E018700	Data Quality	3			A:1	90
		Antoon Bronselaer -- Department of Telecommunications and Information Processing					
7	E018130	NoSQL Databases	3			A:2	90
		Antoon Bronselaer -- Department of Telecommunications and Information Processing					
8	E018160	Knowledge Graphs	3			A:2	90
		Pieter Colpaert -- Department of Electronics and Information Systems					
9	E061370	Data Visualization for and with AI	3			A:1	90
		Jefrey Lijffijt -- Department of Electronics and Information Systems					

2.1.1.3 Major Cybersecurity   18 credits

Subscribe to 18 credit units from the following list. Subject to approval by the faculty.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E017942	Software Hacking and Protection	6			A:1	180
		Bjorn De Sutter -- Department of Electronics and Information Systems					
2	E017950	Secure Software and Systems	6			A:2	180
		Bart Coppens -- Department of Electronics and Information Systems					
3	E008710	Network Security	6			A:1	180
		Bruno Volckaert -- Department of Information Technology					

2.1.1.4 Major Internet-of-Things / Robotics   18 credits

Subscribe to no less than 18 credit units from the following list, with 12 credit units with reference a. Subject to approval by the faculty.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E019370	Robotics	6	a		A:1	180
		Tony Belpaeme -- Department of Electronics and Information Systems					

Nr	Course		CRDT	Ref	MT1	Session	Study
2	E019170	Internet of Things	6	a		A:1	180
		Jeroen Hoebeke -- Department of Information Technology					
3	E003422	Fundamentals of Statistical Sensor Processing	6			A:1	180
		Hiep Luong -- Department of Telecommunications and Information Processing					
4	E061670	Autonomous Vehicle Perception	3			A:2	90
		Jan Aelterman -- Department of Telecommunications and Information Processing					
5	E019380	Intelligent Robot Manipulation	3			A:1	90
		Francis wyffels -- Department of Electronics and Information Systems					
6	E033702	Hardware-design Project	6			A:2	180
		Ioulia Tzouvadaki -- Department of Electronics and Information Systems					
7	E032322	Sensor Based Measurement Systems	3			A:2	90
		Herbert De Smet -- Department of Electronics and Information Systems					
8	E003710	Game Theory and Multiagent Systems	6			A:1	180
		Heidi Steendam -- Department of Telecommunications and Information Processing					
9	E061380	Embedded Machine Learning	3			A:2	90
		Adnan Shahid -- Department of Information Technology					
10	E031251	Design Methodology for FPGAs	6			A:1	180
		Dirk Stroobandt -- Department of Electronics and Information Systems					

2.1.1.5 Minor Operations Management — 18 credits

Subscribe to no less than 18 credit units from the following list, with 6 credit units with reference a.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E076221	Manufacturing Planning and Control	6	a		A:1	180
		Birger Raa -- Department of Industrial Systems Engineering and Product Design					
2	E004255	Operations Research Models and Methods	6			A:1	180
		El-Houssaine Aghezzaf -- Department of Industrial Systems Engineering and Product Design					
3	E060240	Quality Engineering and Industrial Statistics	6			A:2	180
		Stijn De Vuyst -- Department of Industrial Systems Engineering and Product Design					
4	E076951	Engineering Economy	6			A:1	180
		Sofie Verbrugge -- Department of Information Technology					

2.1.1.6 Minor Biosystems — 18 credits

Subscribe to no less than 18 credit units from the following list, with no less than 8 credit units with reference a. Subject to approval by the faculty.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E092623	Modelling of Physiological Systems	5	a		A:2	150
		Patrick Segers -- Department of Electronics and Information Systems					
2	E092662	From Genome to Organism	3	a		A:1	90
		Fransiska Malfait -- Department of Biomolecular Medicine					
3	E074011	Quantitative Cell and Tissue Analysis	6	a		A:1	180
		Andre Skirtach -- Department of Biotechnology					
4	E063671	Biomaterials and Tissue Engineering	5			A:1	150
		Peter Dubruel -- Department of Organic Chemistry					
5	E063682	Biomechanics	6			A:1	180
		Charlotte Debbaut -- Department of Electronics and Information Systems					
6	E010371	Medical Imaging	6			A:1	180
		Stefaan Vandenberghe -- Department of Electronics and Information Systems					

2.1.2 Elective Courses Computer Science Engineering — 18 credits

Subscribe to 18 credit units from the following list. Subject to approval by the faculty.
• The courses with reference 'AI' are from the major Artificial Intelligence
• The courses with reference 'DE' are from the major Data Engineering
• The courses with reference 'C' are from the major Cybersecurity
• The courses with reference 'IR' are from the major Internet-of-Things / robotics

Students can subscribe to a maximum of 6 ECTS credits internship (Research Internship E099400 and/or Industry Internship Engineering and Architecture E099300).

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E031251	Design Methodology for FPGAs	6	IR		A:1	180
		Dirk Stroobandt -- Department of Electronics and Information Systems					
2	E012130	Modulation and Detection	6			B:1	180
		Nele Noels -- Department of Telecommunications and Information Processing					

#	Code	Course	Credits	Program	Sem	Hours
3	E030210	Analog Electronics [nl] Jeroen De Maeyer -- Department of Electromechanical, Systems and Metal Engineering	6		A:1	180
4	E018520	Compilers Bjorn De Sutter -- Department of Electronics and Information Systems	6		A:2	180
5	E010010	Signal Processing Nilesh Madhu -- Department of Electronics and Information Systems	6		A:2	180
6	E012802	Broadband cable-TV and in-home networks Margot Deruyck -- Department of Information Technology	4		A:1[a]	120
7	E010310	Image Processing [nl] Wilfried Philips -- Department of Telecommunications and Information Processing	6		A:1	180
8	E011610	Performance Analysis of Telecommunication Systems Sabine Wittevrongel -- Department of Telecommunications and Information Processing	4		A:1	120
9	C003241	Fundaments of Programming Languages [nl] Christophe Scholliers -- Department of Applied Mathematics and Computer Science	6		A:1	165
10	E012210	Advanced Modulation and Coding Heidi Steendam -- Department of Telecommunications and Information Processing	4		A:2	120
11	E016712	Computer Graphics Danilo Babin -- Department of Telecommunications and Information Processing	6		A:2	180
12	E004720	Network Modelling and Design Mario Pickavet -- Department of Information Technology	4		B:2	120
13	E004120	Optimisation Techniques Ljubomir Jovanov -- Department of Telecommunications and Information Processing	6		A:2	180
14	C003349	Discrete Algorithms [nl] Veerle Fack -- Department of Applied Mathematics and Computer Science	6		A:2	165
15	C003711	Computational Challenges in Bioinformatics Peter Dawyndt -- Department of Applied Mathematics and Computer Science	6		A:2	180
16	E034500	Sustainable Computing Lieven Eeckhout -- Department of Electronics and Information Systems	3		A:2	90
17	E061390	Quantum Computing: Architecture and Algorithms Koen Bertels -- Department of Electronics and Information Systems	3		A:1	90
18	E061360	Reinforcement Learning Pieter Simoens -- Department of Information Technology	6	AI	A:1	180
19	E061341	Natural Language Processing Chris Develder -- Department of Information Technology	6	AI	A:2	180
20	E018230	Recommender Systems Toon De Pessemier -- Department of Information Technology	6	AI	A:2	180
21	E061350	Deep Generative Models Bart Dhoedt -- Department of Information Technology	4	AI	A:2	120
22	E016340	Probabilistic Graphical Models Aleksandra Pizurica -- Department of Telecommunications and Information Processing	4	AI	A:2	120
23	E061460	Computer Vision: Theory and Applications [nl] Hiep Luong -- Department of Telecommunications and Information Processing	6	AI	A:2	180
24	E019370	Robotics Tony Belpaeme -- Department of Electronics and Information Systems	6	AI, IR	A:1	180
25	E031800	AI Research Seminar Tijl De Bie -- Department of Electronics and Information Systems	3	AI	A:1	90
26	E061370	Data Visualization for and with AI Jefrey Lijffijt -- Department of Electronics and Information Systems	3	AI	A:1	90
27	E018240	Big Data Technology Dieter De Witte -- Department of Electronics and Information Systems	4	AI/DE	A:1	120
28	E018700	Data Quality Antoon Bronselaer -- Department of Telecommunications and Information Processing	3	AI	A:1	90
29	E003710	Game Theory and Multiagent Systems Heidi Steendam -- Department of Telecommunications and Information Processing	6	AI, IR	A:1	180
30	E016360	Cognitive and Brain-Inspired Artificial Intelligence Tony Belpaeme -- Department of Electronics and Information Systems	3	AI	A:2	90
31	E010220	Speech Processing Kris Demuynck -- Department of Electronics and Information Systems	4	AI	A:2	120

32	E018610	Database Design [nl] Guy De Tré -- Department of Telecommunications and Information Processing	4	DE	A:1	120
33	E017310	Cloud Storage and Computing Bruno Volckaert -- Department of Information Technology	4	DE	A:2	120
34	E018250	Big Data Algorithms Dieter De Witte -- Department of Electronics and Information Systems	3	DE	A:2	90
35	E034150	Blockchain Technologies and Applications Bjorn De Sutter -- Department of Electronics and Information Systems	3	DE	A:1	90
36	E018700	Data Quality Antoon Bronselaer -- Department of Telecommunications and Information Processing	3	DE	A:1	90
37	E018130	NoSQL Databases Antoon Bronselaer -- Department of Telecommunications and Information Processing	3	DE	A:2	90
38	E018160	Knowledge Graphs Pieter Colpaert -- Department of Electronics and Information Systems	3	DE	A:2	90
39	E061370	Data Visualization for and with AI Jefrey Lijffijt -- Department of Electronics and Information Systems	3	DE	A:1	90
40	E017942	Software Hacking and Protection Bjorn De Sutter -- Department of Electronics and Information Systems	6	C	A:1	180
41	E017950	Secure Software and Systems Bart Coppens -- Department of Electronics and Information Systems	6	C	A:2	180
42	E008710	Network Security Bruno Volckaert -- Department of Information Technology	6	C	A:1	180
43	E019170	Internet of Things Jeroen Hoebeke -- Department of Information Technology	6	IR	A:1	180
44	E003422	Fundamentals of Statistical Sensor Processing Hiep Luong -- Department of Telecommunications and Information Processing	6	IR	A:1	180
45	E061670	Autonomous Vehicle Perception Jan Aelterman -- Department of Telecommunications and Information Processing	3	IR	A:2	90
46	E019380	Intelligent Robot Manipulation Francis wyffels -- Department of Electronics and Information Systems	3	IR	A:1	90
47	E033702	Hardware-design Project Ioulia Tzouvadaki -- Department of Electronics and Information Systems	6	IR	A:2	180
48	E032322	Sensor Based Measurement Systems Herbert De Smet -- Department of Electronics and Information Systems	3	IR	A:2	90
49	E061380	Embedded Machine Learning Adnan Shahid -- Department of Information Technology	3	IR	A:2	90
50	E099400	Research Internship Patrick Segers -- Department of Electronics and Information Systems	3	S	B:J	90
51	E099400	Research Internship Patrick Segers -- Department of Electronics and Information Systems	6	S	A:J	180
52	E099300	Industry Internship Engineering and Architecture [en, nl] Patrick Segers -- Department of Electronics and Information Systems	6	S	A:J	180
53	E098010	Integrated Portfolio [en, nl] Hiep Luong -- Department of Telecommunications and Information Processing	6	S	A:J	180
54	E098010	Integrated Portfolio [en, nl] Hiep Luong -- Department of Telecommunications and Information Processing	3	S	B:J	90

2.1.3 Elective Course Ghent University

Subscribe to no more than 9 credit units from the programmes of Ghent University, including the Ghent University Elective Courses.
Subject to approval by the faculty.

2.2 Elective Path 2   36 credits

Subscribe to 36 credit units from no less than 1 and no more than 2 elective modules from the following list. Subject to approval by the faculty.

2.2.1 Elective Courses Computer Science Engineering

Subscribe to no more than 36 credit units from the following list. Subject to approval by the faculty.
• The courses with reference 'AI' are from the major Artificial Intelligence
• The courses with reference 'DE' are from the major Data Engineering
• The courses with reference 'C' are from the major Cybersecurity
• The courses with reference 'IR' are from the major Internet-of-Things / robotics

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E031251	Design Methodology for FPGAs	6	IR		A:1	180
		Dirk Stroobandt -- Department of Electronics and Information Systems					
2	E012130	Modulation and Detection	6			B:1	180
		Nele Noels -- Department of Telecommunications and Information Processing					
3	E030210	Analog Electronics [nl]	6			A:1	180
		Jeroen De Maeyer -- Department of Electromechanical, Systems and Metal Engineering					
4	E018520	Compilers	6			A:2	180
		Bjorn De Sutter -- Department of Electronics and Information Systems					
5	E010010	Signal Processing	6			A:2	180
		Nilesh Madhu -- Department of Electronics and Information Systems					
6	E012802	Broadband cable-TV and in-home networks	4			A:1[a]	120
		Margot Deruyck -- Department of Information Technology					
7	E010310	Image Processing [nl]	6			A:1	180
		Wilfried Philips -- Department of Telecommunications and Information Processing					
8	E011610	Performance Analysis of Telecommunication Systems	4			A:1	120
		Sabine Wittevrongel -- Department of Telecommunications and Information Processing					
9	C003241	Fundaments of Programming Languages [nl]	6			A:1	165
		Christophe Scholliers -- Department of Applied Mathematics and Computer Science					
10	E012210	Advanced Modulation and Coding	4			A:2	120
		Heidi Steendam -- Department of Telecommunications and Information Processing					
11	E016712	Computer Graphics	6			A:2	180
		Danilo Babin -- Department of Telecommunications and Information Processing					
12	E004720	Network Modelling and Design	4			B:2	120
		Mario Pickavet -- Department of Information Technology					
13	E004120	Optimisation Techniques	6			A:2	180
		Ljubomir Jovanov -- Department of Telecommunications and Information Processing					
14	C003349	Discrete Algorithms [nl]	6			A:2	165
		Veerle Fack -- Department of Applied Mathematics and Computer Science					
15	C003711	Computational Challenges in Bioinformatics	6			A:2	180
		Peter Dawyndt -- Department of Applied Mathematics and Computer Science					
16	E034500	Sustainable Computing	3			A:2	90
		Lieven Eeckhout -- Department of Electronics and Information Systems					
17	E061390	Quantum Computing: Architecture and Algorithms	3			A:1	90
		Koen Bertels -- Department of Electronics and Information Systems					
18	E061360	Reinforcement Learning	6	AI		A:1	180
		Pieter Simoens -- Department of Information Technology					
19	E061341	Natural Language Processing	6	AI		A:2	180
		Chris Develder -- Department of Information Technology					
20	E018230	Recommender Systems	6	AI		A:2	180
		Toon De Pessemier -- Department of Information Technology					
21	E061350	Deep Generative Models	4	AI		A:2	120
		Bart Dhoedt -- Department of Information Technology					
22	E016340	Probabilistic Graphical Models	4	AI		A:2	120
		Aleksandra Pizurica -- Department of Telecommunications and Information Processing					
23	E061460	Computer Vision: Theory and Applications [nl]	6	AI		A:2	180
		Hiep Luong -- Department of Telecommunications and Information Processing					
24	E019370	Robotics	6	AI, IR		A:1	180
		Tony Belpaeme -- Department of Electronics and Information Systems					
25	E031800	AI Research Seminar	3	AI		A:1	90
		Tijl De Bie -- Department of Electronics and Information Systems					
26	E061370	Data Visualization for and with AI	3	AI		A:1	90
		Jefrey Lijffijt -- Department of Electronics and Information Systems					
27	E018240	Big Data Technology	4	AI/DE		A:1	120
		Dieter De Witte -- Department of Electronics and Information Systems					
28	E018700	Data Quality	3	AI		A:1	90
		Antoon Bronselaer -- Department of Telecommunications and Information Processing					

Nr	Course		CRDT	Ref	MT1	Session	Study
29	E003710	Game Theory and Multiagent Systems	6	AI, IR		A:1	180
		Heidi Steendam -- Department of Telecommunications and Information Processing					
30	E016360	Cognitive and Brain-Inspired Artificial Intelligence	3	AI		A:2	90
		Tony Belpaeme -- Department of Electronics and Information Systems					
31	E010220	Speech Processing	4	AI		A:2	120
		Kris Demuynck -- Department of Electronics and Information Systems					
32	E018610	Database Design [nl]	4	DE		A:1	120
		Guy De Tré -- Department of Telecommunications and Information Processing					
33	E017310	Cloud Storage and Computing	4	DE		A:2	120
		Bruno Volckaert -- Department of Information Technology					
34	E018250	Big Data Algorithms	3	DE		A:2	90
		Dieter De Witte -- Department of Electronics and Information Systems					
35	E034150	Blockchain Technologies and Applications	3	DE		A:1	90
		Bjorn De Sutter -- Department of Electronics and Information Systems					
36	E018700	Data Quality	3	DE		A:1	90
		Antoon Bronselaer -- Department of Telecommunications and Information Processing					
37	E018130	NoSQL Databases	3	DE		A:2	90
		Antoon Bronselaer -- Department of Telecommunications and Information Processing					
38	E018160	Knowledge Graphs	3	DE		A:2	90
		Pieter Colpaert -- Department of Electronics and Information Systems					
39	E061370	Data Visualization for and with AI	3	DE		A:1	90
		Jefrey Lijffijt -- Department of Electronics and Information Systems					
40	E017942	Software Hacking and Protection	6	C		A:1	180
		Bjorn De Sutter -- Department of Electronics and Information Systems					
41	E017950	Secure Software and Systems	6	C		A:2	180
		Bart Coppens -- Department of Electronics and Information Systems					
42	E008710	Network Security	6	C		A:1	180
		Bruno Volckaert -- Department of Information Technology					
43	E019170	Internet of Things	6	IR		A:1	180
		Jeroen Hoebeke -- Department of Information Technology					
44	E003422	Fundamentals of Statistical Sensor Processing	6	IR		A:1	180
		Hiep Luong -- Department of Telecommunications and Information Processing					
45	E061670	Autonomous Vehicle Perception	3	IR		A:2	90
		Jan Aelterman -- Department of Telecommunications and Information Processing					
46	E019380	Intelligent Robot Manipulation	3	IR		A:1	90
		Francis wyffels -- Department of Electronics and Information Systems					
47	E033702	Hardware-design Project	6	IR		A:2	180
		Ioulia Tzouvadaki -- Department of Electronics and Information Systems					
48	E032322	Sensor Based Measurement Systems	3	IR		A:2	90
		Herbert De Smet -- Department of Electronics and Information Systems					
49	E061380	Embedded Machine Learning	3	IR		A:2	90
		Adnan Shahid -- Department of Information Technology					
50	E099400	Research Internship	3	S		B:J	90
		Patrick Segers -- Department of Electronics and Information Systems					
51	E099400	Research Internship	6	S		A:J	180
		Patrick Segers -- Department of Electronics and Information Systems					
52	E099300	Industry Internship Engineering and Architecture [en, nl]	6	S		A:J	180
		Patrick Segers -- Department of Electronics and Information Systems					
53	E098010	Integrated Portfolio [en, nl]	6	S		A:J	180
		Hiep Luong -- Department of Telecommunications and Information Processing					
54	E098010	Integrated Portfolio [en, nl]	3	S		B:J	90
		Hiep Luong -- Department of Telecommunications and Information Processing					

2.2.2 Elective Courses Ghent University

Subscribe to no more than 9 credit units from the programmes of Ghent University, including the Ghent University Elective Courses.
Subject to approval by the faculty.

3 Master's Dissertation   24 credits

Nr	Course		CRDT	Ref	MT1	Session	Study

1	E091103	Master's Dissertation		24	2	B:J	720

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 2025-2026	f: annually, from 2026-2027	i: annually, from 2027-2028
b: tri-annually	d: bi-annually, from 2025-2026	g: bi-annually, from 2026-2027	j: bi-annually, from 2027-2028
	e: tri-annually, from 2025-2026	h: tri-annually, from 2026-2027	k: tri-annually, from 2027-2028