

# Study Programme

Academic year 2025-2026

Faculty of Engineering and Architecture

Master of Science in Computer Science Engineering

Language of instruction: English

Programme version 11

Genera	l Courses			60	credit
E034140	Parallel Computer Systems  Lieven Eeckhout Department of Electronics and Information Systems  Indicative price: € 0	CRDT R	ef MT1 1	Session A:1	Stud 180
E017930	Parallel and Distributed Software Systems  Jan Fostier Department of Information Technology  Indicative price: unknown	6	1	A:1	180
E017920	Design of Multimedia Applications  Glenn Van Wallendael Department of Electronics and Information Systems  Indicative price: € 123	6	1	A:2	18
E031710	Research Project  Joris Walraevens Department of Telecommunications and Information Processing  Indicative price: € 0	3	1	A:1	90
E033710	Design Project  Femke De Backere Department of Information Technology  Indicative price: € 50	9	1	A:J	27
E012320	Mobile and Broadband Access Networks  **Ingrid Moerman Department of Information Technology  **Indicative price: € 30	6	1	B:2	18
E003600	Information Theory  Heidi Steendam Department of Telecommunications and Information Processing  Indicative price: € 13	6	1	B:2	18
E011322	Queueing Analysis and Simulation  Joris Walraevens Department of Telecommunications and Information Processing  Indicative price: € 10	6	1	A:1	18
E061330	Machine Learning  Joni Dambre Department of Electronics and Information Systems  Indicative price: € 0	6	1	B:1	18
0 E019400	Information Security  Eric Laermans Department of Information Technology  Indicative price: € 80	6	1	B:2	180
Flective	Courses			36	credi

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.

In order to follows:	ow the major AI, students must have followed the course Artificial intelliger	nce (course co	de E016 Ref		Session	Study
1 E061360	Reinforcement Learning  Pieter Simoens Department of Information Technology  Indicative price: € 0	6	a	1000	A:1	180
2 E061341	Natural Language Processing  Thomas Demeester Department of Information Technology  Indicative price: € 0	6	а		A:2	180
3 E018230	Recommender Systems  Toon De Pessemier Department of Information Technology  Indicative price: € 0	6	а		A:2	180
4 E061350	Deep Generative Models  Bart Dhoedt Department of Information Technology  Indicative price: € 0	4	а		A:2	120
5 E016340	Probabilistic Graphical Models  Aleksandra Pizurica Department of Telecommunications and Information Processing  Indicative price: € 0	4	а		A:2	120
6 E061460	Computer Vision: Theory and Applications [nl]  Hiep Luong Department of Telecommunications and Information Processing  Indicative price: € 0	6	а		A:2	180
7 E019370	Robotics  Tony Belpaeme Department of Electronics and Information Systems  Indicative price: € 435	6			A:1	180
8 E031800	Al Research Seminar  Tijl De Bie Department of Electronics and Information Systems  Indicative price: unknown	3			A:1	90
9 E061370	Data Visualization for and with Al  Jefrey Lijffijt Department of Electronics and Information Systems  Indicative price: € 0	3			A:1	90
10 E018240	Big Data Technology  Dieter De Witte Department of Electronics and Information Systems  Indicative price: € 0	4			A:1	120
11 E018700	Data Quality  Antoon Bronselaer Department of Telecommunications and Information Processing  Indicative price: € 25	3			A:1	90
12 E003710	Game Theory and Multiagent Systems  Heidi Steendam Department of Telecommunications and Information Processing  Indicative price: € 0	6			A:1	180
13 E016360	Cognitive and Brain-Inspired Artificial Intelligence  Tony Belpaeme Department of Electronics and Information Systems  Indicative price: € 0	3			A:2	90
14 E010220	Speech Processing  Kris Demuynck Department of Electronics and Information Systems  Indicative price: unknown	4			A:2	120
2.1.1.2 Majo	or 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]  Guy De Tré Department of Telecommunications and Information Processing  Indicative price: € 52	4	а	A:1	120
2	E018240	Big Data Technology  Dieter De Witte Department of Electronics and Information Systems  Indicative price: € 0	4	а	A:1	120
3	E017310	Cloud Storage and Computing  Bruno Volckaert Department of Information Technology  Indicative price: € 0	4	а	A:2	120
4	E018250	Big Data Algorithms  Dieter De Witte Department of Electronics and Information Systems  Indicative price: € 0	3		A:2	90

5 E01870	O Data Quality  Antoon Bronselaer Department of Telecommunications and Information Processing  Indicative price: € 25	3		A:1	90
6 E01813	0 NoSQL Databases  Antoon Bronselaer Department of Telecommunications and Information Processing  Indicative price: € 30	3		A:2	90
7 E01816	O Knowledge Graphs  Pieter Colpaert Department of Electronics and Information Systems  Indicative price: unknown	3		A:2	90
8 E06137	O Data Visualization for and with Al  Jefrey Lijffijt Department of Electronics and Information Systems  Indicative price: € 0	3		A:1	90
2.1.1.3 Maj	or Cybersecurity			18	credits
Subscribe to	18 credit units from the following list. Subject to approval by the faculty.				
Nr Course		CRDT Ref	f MT1	Session	Study
1 F01794	2 Software Hacking and Protection	6		Δ·1	180

Nr	Course	, , ,	CRDT Ref MT1	Session Study
1	E017942	Software Hacking and Protection  Bjorn De Sutter Department of Electronics and Information Systems  Indicative price: € 0	6	A:1 180
2	E017950	Secure Software and Systems  Bart Coppens Department of Electronics and Information Systems  Indicative price: € 0	6	A:2 180
3	E008711	Network Hacking and Protection  Bruno Volckaert Department of Information Technology  Indicative price: € 0	6	A:1 180

# 2.1.1.4 Major Internet-of-Things / Robotics

18 credits

A:1

180

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. E019370 Robotics 6 A:1 180 а Tony Belpaeme -- Department of Electronics and Information Systems Indicative price: € 435 E019170 Internet of Things 6 A:1 180 Jeroen Hoebeke -- Department of Information Technology Indicative price: € 30 E003422 Fundamentals of Statistical Sensor Processing 6 A:1 180 Hiep Luong -- Department of Telecommunications and Information Processing Indicative price: € 0 E061670 Autonomous Vehicle Perception 3 A:2 90 Jan Aelterman -- Department of Telecommunications and Information Processing Indicative price: € 0 E019380 Intelligent Robot Manipulation 3 A:1 90 Francis wyffels -- Department of Electronics and Information Systems Indicative price: € 0 A:2 180 E033702 Hardware-design Project 6 Ioulia Tzouvadaki -- Department of Electronics and Information Systems Indicative price: € 0 E032322 Sensor Based Measurement Systems 3 A:2 90 Herbert De Smet -- Department of Electronics and Information Systems Indicative price: € 0 E003710 Game Theory and Multiagent Systems 6 A:1 180 Heidi Steendam -- Department of Telecommunications and Information Processing Indicative price: € 0 E061380 Embedded Machine Learning 3 A:2 90

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

Dirk Stroobandt -- Department of Electronics and Information Systems

Adnan Shahid -- Department of Information Technology

Indicative price: € 0

10 E031251 Design Methodology for FPGAs

Indicative price: € 0

2.1.1.5 Minor Operations Management

01-08-2025 02:25 p 3

6

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E076221	Manufacturing Planning and Control  Birger Raa Department of Industrial Systems Engineering and Product Design  Indicative price: € 0	6	а		A:1	180
2	E004255	Operations Research Models and Methods  El-Houssaine Aghezzaf Department of Industrial Systems Engineering and Product Design  Indicative price: € 60	6			A:1	180
3	E060240	Quality Engineering and Industrial Statistics  Stijn De Vuyst Department of Industrial Systems Engineering and Product Design  Indicative price: € 50	6			A:2	180
4	E076951	Engineering Economy  Sofie Verbrugge Department of Information Technology  Indicative price: € 60	6			A:1	180
2.1	2.1.1.6 Minor Biosystems						credits

2.1.1.6 Minor Biosystems

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.

Nı	Course		CRDT	Ref	MT1	Session	Study
1	E092623	Modelling of Physiological Systems  Patrick Segers Department of Electronics and Information Systems  Indicative price: € 80	5	а		A:2	150
2	E092662	From Genome to Organism  Fransiska Malfait Department of Biomolecular Medicine  Indicative price: unknown	3	а		A:1	90
3	E074011	Quantitative Cell and Tissue Analysis  An Hendrix Department of Human Structure and Repair  Indicative price: unknown	6	а		A:1	180
4	E063671	Biomaterials and Tissue Engineering Ruslan Dmitriev Department of Human Structure and Repair Indicative price: unknown	5			A:1	150
5	E063682	Biomechanics Charlotte Debbaut Department of Electronics and Information Systems Indicative price: € 0	6			A:1	180
6	E010371	Medical Imaging Stefaan Vandenberghe Department of Electronics and Information Systems Indicative price: unknown	6			A:1	180

# 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 'Al' are from the major Artificial Intelligence

- The courses with reference 'Ar 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	u Architecture E099500).	CRDT	Ref	MT1	Session	Study
1	E031251	Design Methodology for FPGAs  Dirk Stroobandt Department of Electronics and Information Systems  Indicative price: € 0	6	IR		A:1	180
2	E012130	Modulation and Detection  Nele Noels Department of Telecommunications and Information Processing  Indicative price: € 10	6			B:1	180
3	E030210	Analog Electronics [nl]  Jeroen De Maeyer Department of Electromechanical, Systems and Metal Engineering  Indicative price: € 12	6			A:1	180
4	E018520	Compilers  Bjorn De Sutter Department of Electronics and Information Systems  Indicative price: € 70	6			A:2	180
5	E010010	Signal Processing  Nilesh Madhu Department of Electronics and Information Systems  Indicative price: € 0	6			A:2	180
6	E012802	Broadband cable-TV and in-home networks  Margot Deruyck Department of Information Technology	4			(A:1) <sup>d</sup>	120
01	-08-2025	02:25					p 4

		Indicative price: unknown				
7	E010310	Image Processing [nl]  Bart Goossens Department of Telecommunications and Information Processing Indicative price: € 12	6		A:1	180
8	E011610	Performance Analysis of Telecommunication Systems  Sabine Wittevrongel Department of Telecommunications and Information Processing  Indicative price: € 6	4		A:1	120
9	C003241	Fundaments of Programming Languages [nl]  Christophe Scholliers Department of Mathematics, Computer Science and Statistics  Indicative price: € 0	6		A:1	165
10	E012210	Advanced Modulation and Coding  Heidi Steendam Department of Telecommunications and Information Processing  Indicative price: € 0	4		A:2	120
11	E016712	Computer Graphics  Danilo Babin Department of Telecommunications and Information Processing  Indicative price: € 0	6		A:2	180
12	E004720	Network Modelling and Design  Mario Pickavet Department of Information Technology  Indicative price: € 30	4		B:2	120
13	E004120	Optimisation Techniques  Ljubomir Jovanov Department of Telecommunications and Information Processing  Indicative price: € 0	6		A:2	180
14	C003349	Discrete Algorithms [nl]  Veerle Fack Department of Mathematics, Computer Science and Statistics  Indicative price: € 0	6		A:2	165
15	C003711	Computational Challenges in Bioinformatics  Jan Fostier Department of Information Technology  Indicative price: € 0	6		A:2	180
16	E034500	Sustainable Computing  Lieven Eeckhout Department of Electronics and Information Systems  Indicative price: € 0	3		A:2	90
17	E061390	Quantum Computing: Architecture and Algorithms  Alain Sarlette Department of Electronics and Information Systems  Indicative price: € 50	3		A:1	90
18	E061360	Reinforcement Learning  Pieter Simoens Department of Information Technology  Indicative price: € 0	6	Al	A:1	180
19	E061341	Natural Language Processing  Thomas Demeester Department of Information Technology  Indicative price: € 0	6	Al	A:2	180
20	E018230	Recommender Systems  Toon De Pessemier Department of Information Technology  Indicative price: € 0	6	Al	A:2	180
21	E061350	Deep Generative Models  Bart Dhoedt Department of Information Technology  Indicative price: € 0	4	Al	A:2	120
22	E016340	Probabilistic Graphical Models  Aleksandra Pizurica Department of Telecommunications and Information Processing  Indicative price: € 0	4	Al	A:2	120
23	E061460	Computer Vision: Theory and Applications [nl]  Hiep Luong Department of Telecommunications and Information Processing  Indicative price: € 0	6	Al	A:2	180
24	E019370	Robotics  Tony Belpaeme Department of Electronics and Information Systems  Indicative price: € 435	6	AI, IR	A:1	180
25	E031800	Al Research Seminar  Tijl De Bie Department of Electronics and Information Systems  Indicative price: unknown	3	Al	A:1	90
26	E061370	Data Visualization for and with Al  Jefrey Lijffijt Department of Electronics and Information Systems	3	Al	A:1	90
01	-08-2025 (					p 5

	Indicative prices 6.0				
27 E018240	Indicative price: € 0  Big Data Technology  Dieter De Witte Department of Electronics and Information Systems	4	AI, DE	A:1	120
28 E018700	Indicative price: € 0  Data Quality  Antoon Bronselaer Department of Telecommunications and Information Processing Indicative price: € 25	3	AI, DE	A:1	90
29 E003710	Game Theory and Multiagent Systems  Heidi Steendam Department of Telecommunications and Information Processing  Indicative price: € 0	6	AI, IR	A:1	180
30 E016360	Cognitive and Brain-Inspired Artificial Intelligence  Tony Belpaeme Department of Electronics and Information Systems  Indicative price: € 0	3	AI	A:2	90
31 E010220	Speech Processing  Kris Demuynck Department of Electronics and Information Systems  Indicative price: unknown	4	AI	A:2	120
32 E018610	Database Design [nl]  Guy De Tré Department of Telecommunications and Information Processing  Indicative price: € 52	4	DE	A:1	120
33 E017310	Cloud Storage and Computing  Bruno Volckaert Department of Information Technology  Indicative price: € 0	4	DE	A:2	120
34 E018250		3	DE	A:2	90
35 E018130	NoSQL Databases  Antoon Bronselaer Department of Telecommunications and Information Processing  Indicative price: € 30	3	DE	A:2	90
36 E018160	Knowledge Graphs  Pieter Colpaert Department of Electronics and Information Systems  Indicative price: unknown	3	DE	A:2	90
37 E061370	Data Visualization for and with AI  Jefrey Lifffijt Department of Electronics and Information Systems  Indicative price: € 0	3	DE	A:1	90
38 E017942	Software Hacking and Protection  Bjorn De Sutter Department of Electronics and Information Systems  Indicative price: € 0	6	С	A:1	180
39 E017950	Secure Software and Systems  Bart Coppens Department of Electronics and Information Systems  Indicative price: € 0	6	С	A:2	180
40 E008711	Network Hacking and Protection  Bruno Volckaert Department of Information Technology  Indicative price: € 0	6	С	A:1	180
41 E019170	Internet of Things  Jeroen Hoebeke Department of Information Technology  Indicative price: € 30	6	IR	A:1	180
42 E003422	Fundamentals of Statistical Sensor Processing  Hiep Luong Department of Telecommunications and Information Processing  Indicative price: € 0	6	IR	A:1	180
43 E061670	Autonomous Vehicle Perception  Jan Aelterman Department of Telecommunications and Information Processing  Indicative price: € 0	3	IR	A:2	90
44 E019380	Intelligent Robot Manipulation  Francis wyffels Department of Electronics and Information Systems  Indicative price: € 0	3	IR	A:1	90
45 E033702	Hardware-design Project  **Ioulia Tzouvadaki Department of Electronics and Information Systems**  **Indicative price: € 0	6	IR	A:2	180
46 E032322	Sensor Based Measurement Systems  Herbert De Smet Department of Electronics and Information Systems	3	IR	A:2	90
01-08-2025					p 6

	Indicative price: € 0				
47 E061380	Embedded Machine Learning  Adnan Shahid Department of Information Technology  Indicative price: € 0	3	IR	A:2	90
48 E099400	Research Internship Patrick Segers Department of Electronics and Information Systems Indicative price: unknown	3	S	B:J	90
49 E099400	Research Internship Patrick Segers Department of Electronics and Information Systems Indicative price: unknown	6	S	A:J	180
50 E099300	Industry Internship Engineering and Architecture [en, nl]  Patrick Segers Department of Electronics and Information Systems  Indicative price: unknown	6	S	A:J	180
51 E098010	Integrated Portfolio [en, nl]  Hiep Luong Department of Telecommunications and Information Processing  Indicative price: € 50	6	S	A:J	180
52 E098010	Integrated Portfolio [en, nl]  Hiep Luong Department of Telecommunications and Information Processing  Indicative price: € 50	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 <u>Ghent University Elective Courses</u>. 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 'Al' 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).

		d Architecture E099300).			T.1		0: 1 -
Nr 1	Course E031251	Design Methodology for FPGAs  Dirk Stroobandt Department of Electronics and Information Systems  Indicative price: € 0	CRDT 6	Ref M	T1 S	Session A:1	Study 180
2	E012130	Modulation and Detection  Nele Noels Department of Telecommunications and Information Processing  Indicative price: € 10	6			B:1	180
3	E030210	Analog Electronics [nl]  Jeroen De Maeyer Department of Electromechanical, Systems and Metal Engineering  Indicative price: € 12	6			A:1	180
4	E018520	Compilers  Bjorn De Sutter Department of Electronics and Information Systems  Indicative price: € 70	6			A:2	180
5	E010010	Signal Processing  Nilesh Madhu Department of Electronics and Information Systems  Indicative price: € 0	6			A:2	180
6	E012802	Broadband cable-TV and in-home networks  Margot Deruyck Department of Information Technology  Indicative price: unknown	4			(A:1) <sup>d</sup>	120
7	E010310	Image Processing [nl]  Bart Goossens Department of Telecommunications and Information Processing  Indicative price: € 12	6			A:1	180
8	E011610	Performance Analysis of Telecommunication Systems  Sabine Wittevrongel Department of Telecommunications and Information Processing  Indicative price: € 6	4			A:1	120

9 C00324	Fundaments of Programming Languages [nl]  Christophe Scholliers Department of Mathematics, Computer Science and Statistics  Indicative price: € 0	6		A:1	165
10 E012210	Advanced Modulation and Coding  Heidi Steendam Department of Telecommunications and Information Processing  Indicative price: € 0	4		A:2	120
11 E016712	2 Computer Graphics  Danilo Babin Department of Telecommunications and Information Processing  Indicative price: € 0	6		A:2	180
12 E004720	Network Modelling and Design  Mario Pickavet Department of Information Technology  Indicative price: € 30	4		B:2	120
13 E004120	O Optimisation Techniques  Ljubomir Jovanov Department of Telecommunications and Information Processing  Indicative price: € 0	6		A:2	180
14 C00334	9 Discrete Algorithms [nl]  Veerle Fack Department of Mathematics, Computer Science and Statistics  Indicative price: € 0	6		A:2	165
15 C00371	1 Computational Challenges in Bioinformatics  Jan Fostier Department of Information Technology  Indicative price: € 0	6		A:2	180
16 E034500	O Sustainable Computing  Lieven Eeckhout Department of Electronics and Information Systems  Indicative price: € 0	3		A:2	90
17 E061390	Quantum Computing: Architecture and Algorithms  Alain Sarlette Department of Electronics and Information Systems  Indicative price: € 50	3		A:1	90
18 E061360	Pieter Simoens Department of Information Technology Indicative price: € 0	6	AI	A:1	180
19 E06134	1 Natural Language Processing  Thomas Demeester Department of Information Technology  Indicative price: € 0	6	AI	A:2	180
20 E018230	O Recommender Systems  Toon De Pessemier Department of Information Technology  Indicative price: € 0	6	AI	A:2	180
21 E061350	Deep Generative Models  Bart Dhoedt Department of Information Technology  Indicative price: € 0	4	AI	A:2	120
22 E016340	Probabilistic Graphical Models  Aleksandra Pizurica Department of Telecommunications and Information Processing  Indicative price: € 0	4	AI	A:2	120
23 E061460	O Computer Vision: Theory and Applications [nl]  Hiep Luong Department of Telecommunications and Information Processing  Indicative price: € 0	6	AI	A:2	180
24 E019370	O Robotics  Tony Belpaeme Department of Electronics and Information Systems  Indicative price: € 435	6	AI, IR	A:1	180
25 E031800	O Al Research Seminar  Tijl De Bie Department of Electronics and Information Systems  Indicative price: unknown	3	AI	A:1	90
26 E061370	D Data Visualization for and with Al  Jefrey Lijffijt Department of Electronics and Information Systems  Indicative price: € 0	3	AI	A:1	90
27 E018240	D Big Data Technology  Dieter De Witte Department of Electronics and Information Systems  Indicative price: € 0	4	AI, DE	A:1	120
28 E018700	D Data Quality  Antoon Bronselaer Department of Telecommunications and Information Processing  Indicative price: € 25	3	AI, DE	A:1	90
01-08-202	5.02·25				n 8

29 E003710	Game Theory and Multiagent Systems  Heidi Steendam Department of Telecommunications and Information Processing  Indicative price: € 0	6	AI, IR	A:1	180
30 E016360	Cognitive and Brain-Inspired Artificial Intelligence  Tony Belpaeme Department of Electronics and Information Systems  Indicative price: € 0	3	Al	A:2	90
31 E010220	Speech Processing  Kris Demuynck Department of Electronics and Information Systems  Indicative price: unknown	4	Al	A:2	120
32 E018610	Database Design [nl]  Guy De Tré Department of Telecommunications and Information Processing  Indicative price: € 52	4	DE	A:1	120
33 E017310	Cloud Storage and Computing  Bruno Volckaert Department of Information Technology  Indicative price: € 0	4	DE	A:2	120
34 E018250	Big Data Algorithms  Dieter De Witte Department of Electronics and Information Systems  Indicative price: € 0	3	DE	A:2	90
35 E018130	NoSQL Databases  Antoon Bronselaer Department of Telecommunications and Information Processing  Indicative price: € 30	3	DE	A:2	90
36 E018160	Knowledge Graphs  Pieter Colpaert Department of Electronics and Information Systems  Indicative price: unknown	3	DE	A:2	90
37 E061370	Data Visualization for and with AI  Jefrey Lifffijt Department of Electronics and Information Systems  Indicative price: € 0	3	DE	A:1	90
38 E017942	Software Hacking and Protection  Bjorn De Sutter Department of Electronics and Information Systems  Indicative price: € 0	6	С	A:1	180
39 E017950	Secure Software and Systems  Bart Coppens Department of Electronics and Information Systems  Indicative price: € 0	6	С	A:2	180
40 E008711	Network Hacking and Protection  Bruno Volckaert Department of Information Technology  Indicative price: € 0	6	С	A:1	180
41 E019170	Internet of Things  Jeroen Hoebeke Department of Information Technology  Indicative price: € 30	6	IR	A:1	180
42 E003422	Fundamentals of Statistical Sensor Processing  Hiep Luong Department of Telecommunications and Information Processing  Indicative price: € 0	6	IR	A:1	180
43 E061670	Autonomous Vehicle Perception  Jan Aelterman Department of Telecommunications and Information Processing  Indicative price: € 0	3	IR	A:2	90
44 E019380	Intelligent Robot Manipulation  Francis wyffels Department of Electronics and Information Systems  Indicative price: € 0	3	IR	A:1	90
45 E033702	Hardware-design Project  Ioulia Tzouvadaki Department of Electronics and Information Systems  Indicative price: € 0	6	IR	A:2	180
46 E032322	Sensor Based Measurement Systems  Herbert De Smet Department of Electronics and Information Systems  Indicative price: € 0	3	IR	A:2	90
47 E061380	Embedded Machine Learning  Adnan Shahid Department of Information Technology  Indicative price: € 0	3	IR	A:2	90
48 E099400	Research Internship Patrick Segers Department of Electronics and Information Systems Indicative price: unknown	3	S	B:J	90
01-08-2025	02:25				n S

49 E099400	Research Internship Patrick Segers Department of Electronics and Information Systems Indicative price: unknown	6	S	A:J	180
50 E099300	Industry Internship Engineering and Architecture [en, nl]  Patrick Segers Department of Electronics and Information Systems  Indicative price: unknown	6	S	A:J	180
51 E098010	Integrated Portfolio [en, nl]  Hiep Luong Department of Telecommunications and Information Processing  Indicative price: € 50	6	S	A:J	180
52 E098010	Integrated Portfolio [en, nl]  Hiep Luong Department of Telecommunications and Information Processing  Indicative price: € 50	3	S	B:J	90

#### 2.2.2 Elective Courses Ghent University

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

3 Master's Dissertation 24 cred				
Nr Course	CRDT R	ef MT1	Session	Study
1 E091103 Master's Dissertation	24	2	B:J	720

# Programme related study costs

None

#### 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 2026-2027 f: annually, from 2027-2028 i: annually, from 2028-2029 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

# Learning materials

The prices stated are indicative and subject to fluctuations.

The list of learning materials per course unit can be found in the course sheets.