

Study Programme

Academic year 2021-2022

Faculty of Sciences

Master of Science in Computer Science

Language of instruction: Dutch

Programme version 5

1	General	Courses			60	credits
Nr	Course		CRDT	Ref MT1	Session	Study
1	C003241	Fundaments of Programming Languages Christophe Scholliers Department of Mathematics, Computer Science and Statistics	6	1	A:1	165
2	C003758	Machine Learning [en] Yvan Saeys Department of Mathematics, Computer Science and Statistics	6	1	A:1	180
3	E017930	Parallel and Distributed Software Systems [en] Jan Fostier Department of Information Technology	6	1	A:1	180
1	C003349	Discrete Algorithms Veerle Fack Department of Mathematics, Computer Science and Statistics	6	1	A:2	165
5	C004072	Software Engineering Lab 3 Sofie Van Gassen Department of Mathematics, Computer Science and Statistics	6	1	A:2	180
6	E018520	Compilers [en] Bjorn De Sutter Department of Electronics and Information Systems	6	1	A:2	180
7	C004041	Data Visualization Bart Mesuere Department of Mathematics, Computer Science and Statistics	3	1	A:2	90
3	C000957	Intellectual Property Rights Hendrik Vanhees Department of Interdisciplinary Study of Law, Private Law and Business Law	3	1	A:2	90
9	C004073	Computer Graphics Peter Lambert Department of Electronics and Information Systems	6	2	A:1	180
0	C004074	Big Data Science [en] Yvan Saeys Department of Mathematics, Computer Science and Statistics	6	2	A:2	165
11	C004075	Internship Peter Dawyndt Department of Mathematics, Computer Science and Statistics	6	2	A:2	180
2	Minors				30	credits
Sul	bscribe to 1 i	minor from the following list.				
2.	1 Minor F	Research			30	credits
	bscribe to no Course	less than 18 and no more than 30 credit units from the following list.	CDDT	Dot MT4	Cassian	Church
NI.	E010310	Image Processing Wilfried Philips Department of Telecommunications and Information Processing	CRDT 6	Ref MT1	Session A:1	Study 180
2	C000627		6		A:1	165
3	E018921	Document Processing [en] Antoon Bronselaer Department of Telecommunications and Information Processing	4		A:1	120
Ļ	C004011	Advanced Numerical Methods Marnix Van Daele Department of Mathematics, Computer Science and Statistics	6		A:1	180
5	E018441	Advanced Databases Antoon Bronselaer Department of Telecommunications and Information Processing	6		A:1	180
3	E019170	Internet of Things [en] Jeroen Hoebeke Department of Information Technology	6		A:1	180
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Tony Belpaeme -- Department of Electronics and Information Systems

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8	E017822	Software Architecture Frank Gielen Department of Information Technology	4		120
9	E017941	Software Hacking and Protection [en] Bjorn De Sutter Department of Electronics and Information Systems	6	A:1	180
10	E018230	Recommender Systems [en] Luc Martens Department of Information Technology	6	A:2	180
11	C000145	Algorithmic Graph Theory Gunnar Brinkmann Department of Mathematics, Computer Science and Statistics	6	A:2	165
12	E018221	Management of Imperfect Data	4		120
13	C001719	Capita Selecta in Soft Computing Chris Cornelis Department of Mathematics, Computer Science and Statistics	6	(A:2) ^d	165
14	C003711	Computational Challenges in Bioinformatics [en] Jan Fostier Department of Information Technology	6	A:2	180
15	C001026	Computer Algebra Andreas Weiermann Department of Mathematics: Analysis, Logic and Discrete Mathematics	6	A:2	165
16	E735023	Computer Vision	3	A:2	90
17	E003600	Information Theory [en] Heidi Steendam Department of Telecommunications and Information Processing	6	B:2	180
18	E017920	Design of Multimedia Applications [en] Glenn Van Wallendael Department of Electronics and Information Systems	6	A:2	180
19	E010220	Speech Processing [en] Kris Demuynck Department of Electronics and Information Systems	4	A:2	120
20	E034150	Blockchain Technologies and Applications [en] Bjorn De Sutter Department of Electronics and Information Systems	3	A:1	90
2.	1.1 Electiv	ve Courses Flemish Community			12 credits

2.1.1 Elective Courses Flemish Community

12 credits

Subscribe to no more than 12 credit units to be chosen from the study programmes of UGent including the <u>Ghent University elective courses</u> or study programmes of other higher education of the Flemish Community.

2.2 Minor Economics and Business Administration

30 credits

Subscribe to 30 credit units from no less than 1 and no more than 2 modules from the following list.

2.2.1 General Courses

Subscribe to no less than 24 and no more than 30 credit units from the following list, distributed over the first standard learning path as follows: no more than 24 credit units in year 1.

Dare to Venture can be chosen if you have already subscribed to Introduction to Entrepreneurship.

Nr			CRDT		Session	Study
1	F000758	Economics Bruno Merlevede Department of Economics	5		A:1	150
2	E076930	Financial and Cost Price Reporting in Companies Sophie Maussen Department of Accounting, Corporate Finance and Taxation	6		A:1	180
3	E076431	Introduction to Entrepreneurship [en] Petra Andries Department of Marketing, Innovation and Organisation	3		A:1	90
4	E076460	Dare to Venture [en] Johan Verrue Department of Marketing, Innovation and Organisation	4		A:2	120
5	F000845	Business Administration Mirjam Knockaert Department of Marketing, Innovation and Organisation	4		A:2	120
6	F000551	Business Skills [en] Mieke Audenaert Department of Marketing, Innovation and Organisation	4		C:2	120
7	F000768	Marketing Management Maggie Geuens Department of Marketing, Innovation and Organisation	6		A:1	180
8	F000855	Organization Theory [en] Adelien Decramer Department of Marketing, Innovation and Organisation	4		A:2	120
9	F000596	Business Cycles and Growth Freddy Heylen Department of Economics	6		A:1	180
10	F000446	Markets and Prices Dirk Van de gaer Department of Economics	6		A:1	180
11	F000093	Financial Markets and Institutions Rudi Vander Vennet Department of Economics	5		A:2	150

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12 F000752	Environmental Economics and Policy	4	B:2	120
	Brent Bleys Department of Economics			
13 F000859	Corporate Social Responsibility	3	A:2	90

2.2.2 Elective Courses UGent

Subscribe to courses for no more than 6 credit units to be chosen from the courses of UGent.

3 Master's Dissertation 30 cred				
Nr Course 1 C002309 Master's Dissertation N. N.	CRDT Ref	MT1	Session	Study
	30	2	A:J	825

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 pt: Portuguese cs: Czech el: Greek fr: French nl: Dutch sl: Slovene en: English it: Italian ru: Russian da: Danish no: Norwegian 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:

c: annually, from 2022-2023 f: annually, from 2023-2024 i: annually, from 2024-2025 a: bi-annually g: bi-annually, from 2023-2024 j: bi-annually, from 2024-2025 b: tri-annually d: bi-annually, from 2022-2023 k: tri-annually, from 2024-2025 e: tri-annually, from 2022-2023 h: tri-annually, from 2023-2024

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