

## Study Programme

Academic year 2023-2024

Faculty of Sciences
Bachelor of Science in Computer Science

Language of instruction: Dutch

Programme version 8

1	General	Courses			162	credits			
Nr	Course		CRDT	Ref MT1	Session	Study			
1	C003770	Programming Kris Coolsaet Department of Mathematics, Computer Science and Statistics	6	1	A:1	180			
2	C003771	Databases Guy De Tré Department of Telecommunications and Information Processing	6	1	A:1	180			
3	C000939	Computer Use Peter Dawyndt Department of Mathematics, Computer Science and Statistics	6	1	A:1	180			
4	C002908	Reasoning, Abstracting and Formulating  Eric Laermans Department of Information Technology	6	1	A:1	180			
5	C001893	Discrete Mathematics Bart De Bruyn Department of Mathematics: Algebra and Geometry	6	1	A:1	180			
6	C003772	Object Oriented Programming  Kris Coolsaet Department of Mathematics, Computer Science and Statistics	6	1	A:2	180			
7	C003773	Algorithms and Data Structures 1  Veerle Fack Department of Mathematics, Computer Science and Statistics	6	1	A:2	180			
8	C002178	Scripting Languages Peter Dawyndt Department of Mathematics, Computer Science and Statistics	6	1	A:2	180			
9	C001094	Linear Algebra and Geometry Tom De Medts Department of Mathematics: Algebra and Geometry	6	1	A:2	180			
10	C003774	Calculus  Jasson Vindas Diaz Department of Mathematics: Analysis, Logic and Discrete Mathematics	6	1	A:2	180			
11	C003775	Functional Programming Christophe Scholliers Department of Mathematics, Computer Science and Statistics	6	2	A:1	180			
12	C003776	System Programming Filip De Turck Department of Information Technology	6	2	A:1	180			
13	C003777	Algorithms and Data Structures 2  Gunnar Brinkmann Department of Mathematics, Computer Science and Statistics	6	2	A:1	180			
14	E008620	Communication Networks Wouter Tavernier Department of Information Technology	6	2	A:1	180			
15	C003778	Statistics and Probability Oliver Dukes Department of Mathematics, Computer Science and Statistics	6	2	A:1	180			
16	C003779	Webdevelopment Ruben Verborgh Department of Electronics and Information Systems	6	2	A:2	180			
17	C003780	Software Engineering Lab 1 Christophe Scholliers Department of Mathematics, Computer Science and Statistics	6	2	A:2	180			
18	C002126	Multimedia Peter Lambert Department of Electronics and Information Systems	6	2	A:2	180			
19	E034110	Computer Architecture Koen De Bosschere Department of Electronics and Information Systems	6	2	A:2	180			
20	C001521	Scientific Computing  Marnix Van Daele Department of Mathematics, Computer Science and Statistics	6	2	A:2	180			
21	C003756	Artificial Intelligence  Yvan Saeys Department of Mathematics, Computer Science and Statistics	6	3	A:1	180			
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22 C003782	Algorithms and Datastructures 3 Gunnar Brinkmann Department of Mathematics, Computer Science and Statistics	6	3	A:1	180				
23 E019010	Operating Systems Koen De Bosschere Department of Electronics and Information Systems	6	3	A:1	180				
24 C003783	Logic Programming Christophe Scholliers Department of Mathematics, Computer Science and Statistics	6	3	A:2	180				
25 C003784	Software Engineering Lab 2 Bart Mesuere Department of Mathematics, Computer Science and Statistics	6	3	A:2	180				
26 C003789	Computational Biology Peter Dawyndt Department of Mathematics, Computer Science and Statistics	6	3	A:2	180				
27 C003785	Automata, Computability and Complexity  Leo Storme Department of Mathematics: Analysis, Logic and Discrete Mathematics	6	3	A:2	180				
2 Minors	Minors 18 credits								
Subscribe to 1 minor from the following list. Subject to approval by the faculty. Students who have followed the Minor Education, can enter directly into the educational master's programme.									
2.1 Minor Security & Parallel Systems  18 credits									
Nr Course		CRDT Re	ef MT1	Session	Study				
1 E034140	Parallel Computer Systems [en] Lieven Eeckhout Department of Electronics and Information Systems	6	3	A:1	180				
2 E019400	Information Security [en] Eric Laermans Department of Information Technology	6	3	B:2	180				
3 C003786	Modelling and Simulation  Marnix Van Daele Department of Mathematics, Computer Science and Statistics	6	3	A:1	180				
2.2 Minor Electronics & Telecommunication 18 credits									
Nr Course		CRDT R	ef MT1	Session	Study				
1 C003787	Introduction to Telecommunications  Lieven Eeckhout Department of Electronics and Information Systems	6	3	A:1	180				
2 C003806	Introductory Electronics  Bjorn De Sutter Department of Electronics and Information Systems	6	3	A:2	180				
3 C003788	Mathematical Modelling in Engineering Karel Van Acoleyen Department of Physics and Astronomy	6	3	A:1	180				
2.3 Minor Education 18 credits									
Nr Course		CRDT Re	ef MT1	Session	Study				
1 H002169	Powerful Learning Environments  Bram De Wever Department of Educational Studies	6	3	A:1	180				
2 H002175	Teaching Methodology: Sciences Katrien Strubbe Department of Chemistry	6	3	A:J	180				
3 H002170	Reference Internship: Sciences Katrien Strubbe Department of Chemistry	3	3	A:J	90				

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A:2

85

4 C004093 Mathematical Skills and Know-how

Koen Thas -- Department of Mathematics: Algebra and Geometry

## 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 ru: Russian da: Danish en: English it: Italian 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 2024-2025 f: annually, from 2025-2026 i: annually, from 2026-2027 a: bi-annually g: bi-annually, from 2025-2026 j: bi-annually, from 2026-2027 d: bi-annually, from 2024-2025 b: tri-annually e: tri-annually, from 2024-2025 h: tri-annually, from 2025-2026 k: tri-annually, from 2026-2027

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