

## Study Programme

Academic year 2020-2021

Faculty of Sciences
Bachelor of Science in Computer Science

Language of instruction: Dutch

Programme version 8

Ocheral	Courses	162 credit			
Course		CRDT R	lef MT1	Session	Stuc
C003770	Programming Kris Coolsaet Department of Mathematics, Computer Science and Statistics	6	1	A:1	180
C003771	Databases Guy De Tré Department of Telecommunications and Information Processing	6	1	A:1	180
C000939	Computer Use Peter Dawyndt Department of Mathematics, Computer Science and Statistics	6	1	A:1	180
C002908	Reasoning, Abstracting and Formulating  Eric Laermans Department of Information Technology	6	1	A:1	180
C001893	Discrete Mathematics Bart De Bruyn Department of Mathematics: Algebra and Geometry	6	1	A:1	180
C003772	Object Oriented Programming  Kris Coolsaet Department of Mathematics, Computer Science and Statistics	6	1	A:2	180
C003773	Algorithms and Data Structures 1  Veerle Fack Department of Mathematics, Computer Science and Statistics	6	1	A:2	180
C002178	Scripting Languages Peter Dawyndt Department of Mathematics, Computer Science and Statistics	6	1	A:2	180
C001094	Linear Algebra and Geometry Sara Rottey Department of Mathematics: Analysis, Logic and Discrete Mathematics	6	1	A:2	180
C003774	Calculus Tom De Medts Department of Mathematics: Algebra and Geometry	6	1	A:2	18
C003775	Functional Programming Christophe Scholliers Department of Mathematics, Computer Science and Statistics	6	2	A:1	18
C003776	System Programming Filip De Turck Department of Information Technology	6	2	A:1	18
C003777	Algorithms and Data Structures 2  Gunnar Brinkmann Department of Mathematics, Computer Science and Statistics	6	2	A:1	18
E008620	Communication Networks Wouter Tavernier Department of Information Technology	6	2	A:1	18
C003778	Statistics and Probability Christophe Ley Department of Mathematics, Computer Science and Statistics	6	2	A:1	18
C003779	Webdevelopment Ruben Verborgh Department of Electronics and Information Systems	6	2	A:2	18
C003780	Software Engineering Lab 1 Bart Dhoedt Department of Information Technology	6	2	A:2	18
C002126	Multimedia Peter Lambert Department of Electronics and Information Systems	6	2	A:2	18
E034110	Computer Architecture  Koen De Bosschere Department of Electronics and Information Systems	6	2	A:2	18
C001521	Scientific Computing  Marnix Van Daele Department of Mathematics, Computer Science and Statistics	6	2	A:2	18
C003756	Artificial Intelligence	6	3	A:1	18

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  Jan Goedgebeur 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	18 credits								
	minor from the following list. Subject to approval by the faculty. have followed the Minor Education, can enter directly into the education	al master's programm	e.						
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 Re	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 Sigiswald Barbier Department of Electronics and Information Systems	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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4 C004093 Mathematical Skills and Know-how

Hendrik Van Maldeghem -- 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

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 2021-2022 f: annually, from 2022-2023 i: annually, from 2023-2024 b: tri-annually d: bi-annually, from 2021-2022 g: bi-annually, from 2022-2023 j: bi-annually, from 2023-2024 h: tri-annually, from 2022-2023 k: tri-annually, from 2023-2024

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