

Faculty of Sciences

Bachelor of Science in Computer Science

Language of instruction: Dutch

Programme version 10

1 General Courses 174 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C004646 Object-oriented Programming <i>Kris Coolsaet -- Department of Mathematics, Computer Science and Statistics</i>	6		1	A:1	180
2	C003771 Databases <i>Guy De Tré -- Department of Telecommunications and Information Processing</i>	6		1	A:1	180
3	C004648 UNIX essentials <i>Peter Dawyndt -- Department of Mathematics, Computer Science and Statistics</i>	6		1	A:1	180
4	C002908 Reasoning, Abstracting and Formulating <i>Eric Laermans -- Department of Information Technology</i>	6		1	A:1	180
5	C001893 Discrete Mathematics <i>Bart De Bruyn -- Department of Mathematics, Computer Science and Statistics</i>	6		1	A:1	180
6	C004647 Software Development <i>Kris Coolsaet -- Department of Mathematics, Computer Science and Statistics</i>	6		1	A:2	180
7	C003773 Algorithms and Data Structures 1 <i>Veerle Fack -- Department of Mathematics, Computer Science and Statistics</i>	6		1	A:2	180
8	C002178 Scripting Languages <i>Peter Dawyndt -- Department of Mathematics, Computer Science and Statistics</i>	6		1	A:2	180
9	C001094 Linear Algebra and Geometry <i>Tom De Medts -- Department of Mathematics, Computer Science and Statistics</i>	6		1	A:2	180
10	C003774 Calculus <i>Jasson Vindas Diaz -- Department of Mathematics: Analysis, Logic and Discrete Mathematics</i>	6		1	A:2	180
11	C004644 Functional and Logic Programming <i>Christophe Scholliers -- Department of Mathematics, Computer Science and Statistics</i>	6		2	A:1	180
12	C003777 Algorithms and Data Structures 2 <i>Kris Coolsaet -- Department of Mathematics, Computer Science and Statistics</i>	6		2	A:1	180
13	E008620 Communication Networks <i>Wouter Tavernier -- Department of Information Technology</i>	6		2	A:1	180
14	C003778 Statistics and Probability [en] <i>Oliver Dukes -- Department of Mathematics, Computer Science and Statistics</i>	6		2	A:1	180
15	C004667 Introduction to Machine Learning [en] <i>Yvan Saeys -- Department of Mathematics, Computer Science and Statistics</i>	6		2	A:1	180
16	C003776 System Programming <i>Filip De Turck -- Department of Information Technology</i>	6		2	A:2	180
17	C003780 Software Engineering Lab 1 <i>Christophe Scholliers -- Department of Mathematics, Computer Science and Statistics</i>	6		2	A:2	180
18	C002126 Multimedia <i>Peter Lambert -- Department of Electronics and Information Systems</i>	6		2	A:2	180
19	E034110 Computer Architecture <i>Koen De Bosschere -- Department of Electronics and Information Systems</i>	6		2	A:2	180
20	C001521 Scientific Computing <i>Marnix Van Daele -- Department of Mathematics, Computer Science and Statistics</i>	6		2	A:2	180

21	C004668	Advanced Machine Learning [en] <i>Dmitry Kobak -- Department of Mathematics, Computer Science and Statistics</i>	6	3	A:1	180
22	C003782	Algorithms and Datastructures 3 <i>Kris Coolsaet -- Department of Mathematics, Computer Science and Statistics</i>	6	3	A:1	180
23	E019010	Operating Systems <i>Koen De Bosschere -- Department of Electronics and Information Systems</i>	6	3	A:1	180
24	C003786	Modelling and Simulation <i>Marnix Van Daele -- Department of Mathematics, Computer Science and Statistics</i>	6	3	A:1	180
25	C003789	Computational Biology <i>Peter Dawyndt -- Department of Mathematics, Computer Science and Statistics</i>	6	3	A:2	180
26	C003785	Automata, Computability and Complexity <i>Leo Storme -- Department of Mathematics: Analysis, Logic and Discrete Mathematics</i>	6	3	A:2	180
27	E019400	Information Security [en] <i>Eric Laermans -- Department of Information Technology</i>	6	3	B:2	180
28	C004625	Software Engineering Lab 2 <i>Bart Mesuere -- Department of Mathematics, Computer Science and Statistics</i>	12	3	A:J	360

2 Elective Courses

6 credits

Subscribe to 6 credit units from the following list, distributed over the first standard learning path as follows: 6 credit units in year 3.
Subject to approval by the faculty.

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 course name, using the following ISO codes:

bg: Bulgarian	de: German	es: Spanish	ja: Japanese	pl: Polish	sh: Croatian/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 is 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 2028-2029	f: annually, from 2029-2030	i: annually, from 2030-2031
b: tri-annually	d: bi-annually, from 2028-2029	g: bi-annually, from 2029-2030	j: bi-annually, from 2030-2031
	e: tri-annually, from 2028-2029	h: tri-annually, from 2029-2030	k: tri-annually, from 2030-2031