

Program curriculum for candidates starting in academic year 2024-25

Computer Science

first cycle, full-time

Semester 1			
Subject	Type	Hours	ECTS
Algorithms and Theory of Computation	major-related or general	45	4
Business Data Processing	major-related or general	25	4
Computer Programming 1	major-related or general	45	5
Computer Systems	major-related or general	30	3
Data Notations	major-related or general	20	2
Foreign Language 1	major-related or general	30	2
Foreign Language 2	major-related or general	30	2
Mathematical Analysis and Linear Algebra	major-related or general	60	5
Organisation and Management	major-related or general	45	5
Physical Education	major-related or general	30	0
		360	32

Semester 2			
Subject	Type	Hours	ECTS
Business Law	major-related or general	30	4
Computer Programming 2	major-related or general	45	5
Discrete Mathematics	major-related or general	55	5
Foreign Language 1	major-related or general	30	2
Foreign Language 2	major-related or general	30	2
Information Systems	major-related or general	30	4
Operating Systems and Computer Networks	major-related or general	45	5
Probability and Statistics	major-related or general	50	5
Physical Education	major-related or general	30	0
		345	32

Semester 3			
Subject	Type	Hours	ECTS
Computer Programming 3	major-related or general	45	5
Digital Control Systems for Industrial Processes	major-related or general	30	3
E-business	major-related or general	30	4
Economics and Corporate Finance	major-related or general	30	4
Foreign Language 1	major-related or general	30	2
Foreign Language 2	major-related or general	30	2
Numerical Methods	major-related or general	45	4
Relational Databases	major-related or general	45	5
User Interface Development	major-related or general	30	3
		315	32

Semester 4			
Subject	Type	Hours	ECTS
Business Processes Modelling	major-related or general	45	4
Computer Programming 4	major-related or general	45	5
Elective Course 1	elective	30	3
Enterprise Systems in Management	major-related or general	45	5
Foreign Language 1	major-related or general	30	3

Foreign Language 2	major-related or general	30	3
Implementation Architecture	major-related or general	45	4
IT Project Management	major-related or general	30	6
		300	33

Semester 5			
Subject	Type	Hours	ECTS
Application Architecture	major-related or general	45	4
Computer Programming 5	major-related or general	30	3
Data Warehouses	major-related or general	40	5
Development and Operations	major-related or general	45	4
Elective Course 2	elective	30	4
Elective Course 3	elective	25	4
Elective Course 4	elective	25	3
Seminar	seminars	15	3
		255	30

Semester 6			
Subject	Type	Hours	ECTS
Cloud Computing	major-related or general	45	3
Computer Programming 6	major-related or general	30	3
Elective Course 5	elective	30	4
Elective Course 6	elective	30	4
Elective lecture in the field of humanities	elective	30	5
Entrepreneurship	major-related or general	15	2
Seminar	seminars	45	9
		225	30

total for program	1800	189
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IMPORTANT: detailed breakdowns of hours/credits AND detailed course syllabi are available [HERE](#).