Academic Bachelor's Study Programme

Computer Control and Computer Science

No.	Course code	Course title	ECT	Total Contact Hours	Evaluation form	1st year		2nd year		3rd year		4th year	
Semester						**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**
Mandatory study courses													
1	DatZ1004	Introduction to Computer Studies	3	32	Exam	X							
2	InfT1035	Control of Biosystems	3	32	Test (grade)	X							
3	InfT1033	Application Software	3	32	Test (grade)	X							
4	Valo1053	Latvian Language I	3	32	Test	X							
5	Valo2056	Latvian Language II	3	32	Test (grade)		X						
6	DatZ1009	Introduction to Programming I	3	32	Exam	X							
7	DatZ1010	Introduction to Programming II	3	32	Exam		X						
8	InfT3024	Computer Graphics	4,5	48	Test (grade)	X							
9	InfT1037	Computer Graphics	1,5	16	Course paper		X						
10	DatZ2016	Operating Systems I	3	32	Test (grade)	X							
11	DatZ2017	Operating Systems II	3	32	Exam		X						
12	DatZ2004	Database Technologies I	3	32	Test (grade)	X							
13	DatZ2005	Database Technologies II	3	32	Exam		X						
14	InfT1028	Industrial Computer Control	3	32	Test (grade)		X						
15	InfT3035	Multimedia Technologies	4,5	48	Test (grade)		X						
16	DatZ2045	Computer Hardware	4,5	48	Exam		X						
17	Mate2027	Mathematics I	4,5	48	Test (grade)		X						
18	Mate2028	Mathematics II	4,5	48	Test (grade)			X					
19	Mate1038	Mathematics III	3	32	Exam				X				
20	InfT2033	Windows Programming	3	32	Exam			X					
21	InfT2040	WWW Technologies	6	64	Exam			X					
22	InfT3029	WWW Technologies	1,5	16	Course paper				X				
23	DatZ2024	Computer Networks I	3	32	Test (grade)			X					
24	DatZ2025	Computer Networks II	3	32	Exam				X				
25	DatZ3003	Large Databases I	3	32	Test (grade)			X					
26	DatZ3004	Large Databases II	3	32	Exam				X				
27	DatZ2057	Software Development Processes I	3	32	Exam			X					
28	DatZ2058	Software Development Processes II	3	32	Exam				X				
29	InfT2028	System Modeling I	3	32	Test (grade)			X					
30	InfT2029	System Modeling II	3	32	Exam				X				
31	Mate2010	Discrete Mathematics	3	32	Test (grade)				X				
32	InfT4006	Software Testing	4,5	48	Test (grade)				X				
33	Fizi3001	Physics	3	32	Test (grade)				X				
34	Fizi3002	Optics and magnetisms	4,5	48	Test (grade)					X			
35	InfT2034	Database Access Applications	3	32	Test (grade)				X				
36	InfT2035	Database Access Applications	1,5	16	Course paper					X			
37	Mate4005	Numerical Methods	3	32	Exam					X			
38	Mate2033	Mathematical Statistics	3	32	Test (grade)					X			
39	DatZ3019	Algorithms and Structures	6	64	Exam					X			
40	InfT3031	Development Platforms for Smart Systems	3	32	Test (grade)					X			
41	ETeh3001	Electrical Engineering and Electronics	3	32	Exam					X			
42	DatZ4005	Administration of Computer Networks I	3	32	Test (grade)					X			
43	DatZ4007	Administration of Computer Networks II	3	32	Exam						X		
44	VidZ3006	Ecology and Environmental Protection	3	32	Exam						X		
45	Citi4016	Labour and Civil Protection	3	32	Exam						X		
46	InfTP006	Information Systems [Practice]	18	192	Test, Report						X		
47	InfT4026	Data Security	3	32	Test (grade)							X	
48	InfT4029	Project Management	3	32	Exam							X	
49	InfT4031	Computer Architecture	3	32	Exam							X	
50	InfT4002	Bachelor Thesis I	3		Test							X	
51	InfT4032, InfT4033	Bachelor Thesis II + Defence	12		Test								X
52	Filz1026	Philosophy, Ethics, Aesthetics	3	32	Exam								X
53	KomZ2003	Business Communication	3	32	Test (grade)								X
Optional study courses													
55	InfT2036	CISCO Networking Academy I	3	32	Test (grade)					X			
56	InfT2037	CISCO Networking Academy II	3	32	Test (grade)						X		
57	InfT3012	Geographic Information Systems	3	32	Exam							X	
58	MašZ3001	Interfaces of Measurement Systems	3	32	Test (grade)							X	
59	ETeh3027	Programmable Logical Controllers	3	32	Test (grade)							X	
60	InfT4040	Fundamentals of E-commerce Technologies	3	32	Test (grade)							X	
61	DatZ4012	Machine Learning Basics	3	32	Test (grade)							X	
62	InfT4025	Advanced Programming in Computer Control I	3	32	Test (grade)							X	
63	InfT4036	Advanced Programming in Computer Control II	3	32	Exam								X
64	InfT2047	Security Testing	3	32	Exam								X
65	ETeh4004	Microprocessor Control Systems	3	32	Test (grade)								X
66	InfT4041	Development of the User Interface	3	32	Test (grade)								X
Elective study courses													
67	-	Selected study course	9	96	-								