

Master`s programme “INFORMATION TECHNOLOGIES” (Full-time studies)

Nr.	Code	The course title	ECTS	Evaluation form	1. year		2. year	
					1.sem.	2.sem.	3.sem.	4.sem.
Part A								
1	InfT5039	Fundamental Algorithms	6	E	6			
2	InfT5053	System Theory and Control	3	E	3			
3	InfT6030	Database Design	6	E			6	
4	InfT5038	Information Security	3	Ia		3		
5	InfT5048	Research Methodology	3	Ia	3			
6	Mate5017	Interdisciplinary Computing	6	Ia	6			
8	BūvZ5054	Remote Sensing and Photogrammetry Methods for Geospatial Support	3	Ia			3	
9	InfT5056	Information Technologies in Geoinformatics	6	E		6		
10	InfT5045	Modelling of Biosystems	3	E			3	
11	InfT6021	Web Systems Development	3	E				3
12	InfT6027	Automated Testing	3	I			3	
13	BioIM001	Algorithms in Bioinformatics	3	Ia		3		
14	InfTM001	Data Analysis with R	6	Ia		6		
15	MašZ5031	Computer-Aided Design, Modeling and Manufacturing	3	Ia		3		
16	Valo1053	Latvian Language I	3	E	3			
Part B								
17	InfT5049	Precision Technologies for Cross-sectorial Development	6	Ia			6	
18	InfT5034	Resource Planning Systems	3	Ia	3			
19	InfT5050	Data science and machine learning algorithms	6	Ia		6		
20	InfT5052	Internet Search Techniques	3	E	3			
21	InfT5051	IT project management	3	I			3	
Part C								
22	Filz5003	Philosophy of Sciences	3	E	3			
23	InfT6010	Writing Scientific Publications	3	I		3		
24	InfT5054	E-business Systems Technologies	3	Ia			3	
State examination								
25	InfT6004	Master Thesis	30					30