

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	I		3		
5	InfT5048	Research Methodology	3	I	3			
6	MateM001	Interdisciplinary Computing	6	E	6			
7	BūvZ5054	Remote Sensing and Photogrammetry Methods for Geospatial Support	3	I			3	
8	InfT5056	Information Technologies in Geoinformatics	6	E		6		
9	InfT5045	Modelling of Biosystems	3	E			3	
10	InfT6021	Web Systems Development	3	E		3		
11	InfT6027	Automated Testing	3	E			3	
12	BioIM001	Algorithms in Bioinformatics	3	I		3		
13	InfTM001	Data Analysis with R	6	E		6		
14	MašZ5031	Computer-Aided Design, Modeling and Manufacturing	3	I		3		
15	Filz5003	Philosophy of Sciences	3	E		3		
16	Valo1053	Latvian Language I	3	I	3			
Part B								
1	InfTM004	Precision Technologies for Cross-sectorial Development	3	E			3	
2	InfT5034	Resource Planning Systems	3	I	3			
3	InfT5050	Data science and machine learning algorithms	6	E		6		
4	InfT5052	Internet Search Techniques	3	E	3			
5	InfT5051	IT project management	3	E			3	
Part C (3 courses are required to obtain 9 ECTS)								
1	InfT6010	Writing Scientific Publications	3	I			3	
2	InfT5054	E-business Systems Technologies	3	I			3	
3	TraZM004	Mobile Robots	3	I			3	
4	InfTM006	Signal Processing and Computational Methods for Astrnomical Data	3	I			3	
State examination								
1	InfT6004	Master Thesis	30					30