



**Latvia University of Life Sciences and Technologies**  
**Faculty of Information Technologies**

Study plan of  
**Master`s programme “INFORMATION TECHNOLOGIES”**  
(Full-time studies)

Nr.	Study course code	The course	ECTS	Hours	Evaluation form	1st year		2nd year	
						1 <sup>st</sup> sem.	2 <sup>nd</sup> sem	3 <sup>rd</sup> sem.	4 <sup>th</sup> sem
<b>General Courses of Speciality - A</b>									
1	InfT5039	Fundamental Algorithms	6	48	Exam	6			
2	InfT5040	System Theory	6	48	Exam	6			
3	InfT6030	Database Design	6	48	Exam			6	
4	InfT5029 InfT5044	Research Methodology	6	48	Test (grade)	3	3		
5	InfT5038	Information Security	3	24	Test (grade)	3			
<b>Special Courses - A</b>									
6	InfT5006	Computer-aided manufacturing	3	24	Exam		3		
7	ETeh5001	Design of Microcontroller Systems	3	24	Test (grade)		3		
8	InfT5036	Software Development Models	3	24	Test (grade)		3		
9	InfT5046	Software Quality	3	24	Test (grade)			3	
10	InfT6027	Automated Testing	3	24	Exam			3	
11	InfT6021	Web Systems Development	3	24	Exam				3
12	Biol5013	Algorithms in Bioinformatics	6	48	Test (grade)		6		
13	InfT5045	Modelling of Biosystems	3	24	Exam		3		
<b>Compulsory Part- A</b>									
14	Filz5003	Philosophy of Sciences	3	24	Exam	3			
15	Valo5001	Foreign Special Course	3	24	Exam	3			
16	Fizi5004	Mathematical Physics Methods	3	24	Test (grade)	3			
17	Mate5015	Mathematical Modelling of Processes I	3	24	Test (grade)	3			
18	Mate5016	Mathematical Modelling of Processes II	3	24	Exam		3		
<b>Optional Part - B</b>									
19	InfT6033	Precise Rural Computing Systems	3	24	Test (grade)			3	
20	InfT6012	Rural Geoinformation Systems (GIS)	3	24	Test (grade)			3	
21	InfT6035	E-business Systems	3	24	Test (grade)			3	
22	InfT5043	Freeware R in statistics	3	24	Test (grade)		3		
<b>Elective Courses - C</b>									
23	InfT6034	Economic Fundamentals of Computer Systems	3	24	Test (grade)			3	
24	InfT6010	Writing Scientific Publications	3	24	Test (grade)		3		
25	InfT5034	Resource Planning Systems	3	24	Test (grade)	3			
<b>State Examination</b>									
26	InfT6004	Master Thesis	30	240	Defence				20