

APPROVED
Board of Faculty of Information
Technologies meeting
February 27, 2019
Chairman of the board..... G.Vītols
Secretary of the board..... L.Paura

Professional Bachelor's study programme "Information Technologies for Sustainable Development" study plan

No	Course code	Study course	Credits points		Evaluation	1st year		2nd year		3rd year		4th year	
			CP	Course paper, CP		1st sem	2nd sem	3rd sem	4th sem	5th sem	6th sem	7th sem	8th sem
General study courses			18	0		5	4	0	3	2	4	0	0
1	Valo1053, Valo2056	Latvian Language I, II	4		Formal test	2	2						
2	Filz1018	Philosophy, Ethics, Aesthetics	3		Examination	3							
3	KomZ2003	Business Communication	2		Formal test with a grade		2						
4	InfT4029	Project Management	2		Examination						2		
5	Ekon4081	Economics and the Basics of Entrepreneurship	3		Formal test with a grade				3				
6	Citi4016	Labour and Civil Protection	2		Examination						2		
7	VidZ3006	Ecology and Environmental Protection	2		Examination					2			
Field theoretical basic courses			37	1		2	6	9	9	9	2	0	0
1	Citi1015	Fundamentals of Sustainable Development	2		Examination	2							
2	InfT2045	Computer Hardware	3		Examination		3						
3	Mate1003, Mate1037, Mate1038	Mathematics I, II, III	8		Formal test with a grade; formal test with a grade; examination		3	3	2				
4	Mate2010	Discrete Mathematics	2		Formal test with a grade				2				
5	Mate4005	Numerical Methods	2		Examination					2			
6	Fizi3001	Physics	2		Formal test with a grade				2				
7	Fizi3002	Optics and magnetism	3		Examination					3			
8	DatZ3019	Algorithms and Structures	4		Examination					4			
9	Mate2033	Mathematical Statistics	2		Formal test with a grade						2		
10	DatZ2057, DatZ2058	Software Engineering Methods	4		Formal test with a grade; examination			2	2				
11	InfT2041, InfT2042	System Analysis and Modeling	5	1	Examination; course paper			4	1				
Field professional specialization courses			61	2		10	11	9	8	9	14	0	0
1	DatZ2013, DatZ2014	WWW Technologies	4	1	Examination; course paper		3	1					
2	DatZ1009, DatZ1010	Introduction to Programming	4		Examination; examination	2	2						
3	InfT2033	Windows Programming	2		Examination			2					
4	InfT2034; InfT2035	Database Access Applications	3	1	Formal test with a grade; course paper				2	1			
5	DatZ2016, DatZ2017	Operating Systems	4		Formal test with a grade; examination	2	2						
6	InfT1033	Application Software	2		Formal test with a grade	2							
7	InfT3018	Graphic Application Software	2		Formal test with a grade	2							
8	DatZ2024	Computer Networks	2		Formal test with a grade; examination			2					
9	InfT2047	Security Testing	2		Formal test with a grade						2		
10	DatZ2004, DatZ2005	Database Technologies	4		Formal test with a grade; examination	2	2						
11	InfT4006	Software Testing	2		Formal test with a grade				2				
12	DatZ3003, DatZ3004	Large Databases	4		Formal test with a grade; examination			2	2				
13	DatZ4005, DatZ4007	Administration of Computer Networks	4		Formal test with a grade; examination					2	2		
14	DatZ3022	Programming Tools	2		Examination						2		
15	InfT3034	Virtual Environment Design and Programming	2		Formal test with a grade						2		
16	DatZ4004	Web Programming	4		Examination					4			
17	InfT3002	Multimedia Technologies	2		Formal test with a grade		2						
18	DatZ4012	Machine Learning Basics	2		Formal test with a grade					2			
19	InfT4037	Advanced Programming	2		Examination						2		
20	InfT4040	Fundamentals of E-commerce Technologies	2		Examination			2					
21	InfT3033	Computational Sustainability	2		Formal test with a grade						2		
22	InfT3032	Automating of GIS processes	2		Examination				2				
23	InfT4026	Data Security	2		Formal test with a grade						2		
Elective courses			6			1	1	2	0	0	0	2	0
	InfTP009, InfTP010	Professional Qualification Practice	26		Formal test; formal test							16	10
	InfT4032, InfT4034, DatZ4010	Bachelor Thesis	12		Formal test; formal test; defense.							2	10
Total credit points			160			18	22	20	20	20	20	20	20