



Bachelor study programme “Sustainable Agriculture”
(full time study program)

No	Course Code	Study courses	Volume, credit points	Volume, ECTS	Evaluation form	1. year		2. year		3. year	
						1 sem.	2.sem.	3 sem.	4.sem.	5.sem.	6 sem.
A – Compulsory courses			62	93							
1.	LauZ3187	Agroecology and environmental protection	3	4.5	E	3					
2.	Citi4016	Labour and civil protection	2	3	E	2					
3.	Filz3193	Philosophy, Ethics, Aesthetics	3	4.5	E		3				
4.	Valo1053	Latvian language I	2	3	I	2					
5.	Valo2056	Latvian language II	2	3	E		2				
6.	LauZ3184	Research methodology and biostatistics	4	6	E			4			
7.	Ķīmi3018	Chemistry	4	6	E		4				
8.	Biol1010	Zoology	2	3	Ia	2					
9.	Ekon3128	Economic theory	2	3	E	2					
10.	Fizi3006	Agrophysics	4	6	E	4					
11.	Vete2022	Animal physiology	2	3	Ia		2				
12.	Biol3014	Plant physiology I	2	3	Ia		2				
13.	Biol1001	Botany	2	3	E	2					
14.	LauZ3186	Microbiology	3	4.5	E		3				
15.	LauZ3182	Sustainable agriculture policy	3	4.5	E			3			
16.	LauZ3193	Mechanisation of Agriculture	4	6	E	4					
17.	LauZP082	Agriculture I (practice)	3	4.5	I		3				
18.	LauZP083	Agriculture II (practice)	3	4.5	I				3		
19.	LauZ3189	Bachelor thesis I	2	3	I				2		
20.	LauZ4267	Bachelor thesis II	4	6	I					4	
21.	LauZ4268	Bachelor thesis III	6	9	I						6
B – Elective courses			52	78							
specialization Sustainable Plant Production											
22.	LauZ3185	Plant physiology II and biotechnology	5	7.5	E			5			
23.	LauZ3177	Fundamental of Soil Sciences	4	6	E				4		
24.	LauZ3180	Agricultural cropping systems	2	3	E			2			
25.	LauZ3179	Soil tillage systems (in crop production and un horticulture)	2	3	E			2			
26.	LauZ3188	Horticulture	5	7.5	E				5		

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27.	LauZ2059	Weeds and weed management	2	3	I					2	
28.	LauZ4276	Entomology	4	6	E					4	
29.	LauZ3176	Plant pathology	4	6	E					4	
30.	LauZ3193	Genetics and Breeding	4	6	E				4		
31.	JurZ4037	Agricultural Land Management in EU	2	3	Ia						2
32.	LauZ4266	Plant mineral nutrition	4	6	E					4	
33.	LauZ4265	Biology and production of field crops	4	6	E						4
34.	LauZ3178	Grasslands and forage production	4	6	E						4
35.	HidZ3193	Water management: Land drainage and irrigation	2	3	Ia			2			
36.	LauZ4269	Livestock Production	4	6	E						4
specialization Sustainable Animal production											
22.	Vete2023	Animal anatomy and physiology	3	4.5	E			3			
23.	Ķīmi3015	The basics of biochemistry	2	3	Ia			2			
24.	LauZ3192	Animal genetic	4	6	E			4			
25.	LauZ3181	Animal breeding	5	7.5	E				5		
26.	LauZ3183	Animal nutrition I	2	3	E			2			
27.	LauZ4274	Animal nutrition II	4	6	E				4		
28.	LauZ4275	Animal nutrition III	4	6	E					4	
29.	LauZ4271	Animal husbandry Technologies I	4	6	E				4		
30.	LauZ3191	Animal husbandry Technologies II	4	6	E					4	
31.	LauZ4272	Animal husbandry Technologies III	3	4.5	E					3	
32.	LauZ4273	Animal husbandry Technologies IV	4	6	E						4
33.	LauZ4270	Animal Welfare	3	4.5	E						3
34.	Arhi4055	Farm buildings	3	4.5	E						3
35.	Vete4120	Animal Health I	2	3	I					2	
36.	Vete4121	Animal Health II	3	4.5	E						3
37.	PārZ4062	Processing of animal products	2	3	Ia					2	
C – Elective courses			6	9				2	2	2	
			120	180		21	19	20	20	20	20

Evolution form:

I – Theoretical test (successful / unsuccessful) , Ia – Theoretical test with Mark-up, E – Exam