

CABINET OF MINISTERS OF UKRAINE

National university of life and environmental science of Ukraine

**Bachelor's Program Curriculum in Specialty
«Technology of production and processing of livestock products»**

Education and qualification level	«Bachelor»
Field of knowledge	0901 Agriculture and forestry
Training direction	6.090102 Technology of production and processing of livestock products
Term of training	4 years
Form of training	Full-time study
Qualification	technologist in production and processing of livestock products

Training of bachelors performed by

Education and Research Institute of Animal Science and Water Bioresources

Faculty of Production and Processing of Animal products

II. EDUCATIONAL PROCESS PLAN

№	Educational discipline	General amount		Form of knowledge control by semesters			Classroom training			Self study	Practical training		Distribution of weekly hours for courses and semesters								
		hours	credits	Exam	Offset	Course work (project)	Total	including			Educational practice	Manufacturing practice	the 1st year	the 2nd year	the 3rd year	the 4th year					
								Lectures	Laboratories				Practices and seminars	semesters							
											1 c.	2 c.	3 c.	4 c.	5 c.	6 c.	7 c.	8 c.			
		Amount of weeks in a semester																			
		17	17	17	17	17	16	14	12												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1. NORMATIVE ACADEMIC DISCIPLINES																					
1.1. Cycle of humanitarian and socio-economic disciplines*																					
1	History of Ukraine	108	4	1	-	-	51	17	-	34	57	-	-	3	-	-	-	-	-	-	-
2	Ukrainian language (for professionals)	108	4	2	-	-	34	-	-	34	74	-	-	-	2	-	-	-	-	-	-
3	History of Ukrainian culture	72	3	2	-	-	34	17	-	17	38	-	-	2	-	-	-	-	-	-	-
4	Physical culture**	216	6	-	1,2,3,4	-	136	-	-	136	80	-	-	2	2	2	2	-	-	-	-
5	Foreign language	252	8	2	1	-	119	-	119	-	133	-	-	4	3	-	-	-	-	-	-
6	Philosophy	108	5	4	-	-	51	34	-	17	57	-	-	-	-	-	3	-	-	-	-
Total for this training cycle		864	24	4	6	-	425	68	119	238	439	-	-	11	7	2	5	-	-	-	-
1.2. Cycle of mathematical and natural science disciplines																					
1	Higher mathematics	288	8	2	1	-	136	68	68	-	152	-	-	4	4	-	-	-	-	-	-
2	Physics	144	4	2	-	-	68	34	34	-	76	-	-	-	4	-	-	-	-	-	-
3	Inorganic and analytical chemistry	216	6	1	2	-	102	34	68	-	114	-	-	4	2	-	-	-	-	-	-
4	Organic chemistry	144	4	-	2	-	68	34	34	-	76	-	-	-	4	-	-	-	-	-	-
5	Biological, physical and colloid chemistry	144	4	3	-	-	68	34	34	-	76	-	-	-	-	4	-	-	-	-	-
6	Animal ecology	108	3	-	4	-	34	17	17	-	74	-	-	-	-	-	2	-	-	-	-
7	Morphology of agricultural animals	180	5	1	-	-	68	17	51	-	112	-	-	4	-	-	-	-	-	-	-
8	Physiology of agricultural animals	180	5	2	-	-	85	34	51	-	95	-	-	-	5	-	-	-	-	-	-
9	Genetics and biometrics	288	8	3	-	-	136	51	85	-	152	-	-	-	-	8	-	-	-	-	-
Total for this training cycle		1692	47	7	4	-	765	323	442	-	927	-	-	12	19	12	2	-	-	-	-
1.3. Cycle of professional and practical training																					
1	Introduction to core professional	54	1,5	-	1	-	17	17	-	-	37	36/2	-	1	-	-	-	-	-	-	-

	course																				
2	Technology of animal reproduction	144	4	4	-	-	85	34	51	-	59	36/4	-	-	-	-	5	-	-	-	-
3	Occupational health	144	4	-	5	-	51	17	34	-	93		-	-	-	-	-	3	-	-	-
4	Biotechnology	144	4	6	-	-	64	32	32	-	80	-	-	-	-	-	-	-	4	-	-
5	Animal nutrition and feed technology	288	8	5	4	5	153	68	85	-	135	36/4	-	-	-	-	4	5	-	-	-
6	Animal breeding	288	8	5	4	4	153	68	85	-	135	36/4	-	-	-	-	4	5	-	-	-
7	Animal hygiene	288	8	5	4	-	136	68	68	-	152	36/4	-	-	-	-	4	4	-	-	-
8	Technology of poultry production	216	6	6	-	6	96	32	64	-	120	-	-	-	-	-	-	-	6	-	-
9	Technology of sheep production	180	5	7	-	-	70	28	42	-	110	-	-	-	-	-	-	-	-	5	-
10	Technology of beekeeping	162	4,5	7	6	-	120	30	90	-	42	-	-	-	-	-	-	-	4	4	-
11	Horse breeding	144	4	3	-	3	85	34	51	-	59	-	-	-	-	5	-	-	-	-	-
12	Technology of milk and beef production	270	7,5	8	7	8	142	52	90	-	128	-	-	-	-	-	-	-	-	5	6
13	Technology of pig production	252	7	8	7	7	102	38	64	-	150	-	-	-	-	-	-	-	-	3	5
14	Economics and accounting in animal husbandry	144	4	7	-	-	42	14	-	28	102	-	-	-	-	-	-	-	-	3	-
15	Management and marketing in animal husbandry	108	3	-	8	-	48	24	-	24	60	-	-	-	-	-	-	-	-	-	4
16	Life safety	72	2	-	6	-	32	16	-	16	40	-	-	-	-	-	-	-	2	-	-
17	Technology of processing livestock products	180	5	8	-	-	60	24	36	-	120	-	-	-	-	-	-	-	-	-	5
Total for this training cycle		3078	85,5	12	11	6	145 6	596	792	68	1622	180 /2,4	-	1	-	5	17	17	16	20	20
2. ELECTIVE COURSES																					
2.1. University elective courses																					
2.1.1. Cycle of humanitarian and socio-economic training																					
1	Economics	144	4	3	-	-	51	17	-	34	93	-	-	-	-	3	-	-	-	-	-
2	Sociology	72	2	-	5	-	34	17	-	17	38	-	-	-	-	-	-	2	-	-	-
3	Psychology	72	2	-	6	-	32	16	-	16	40	-	-	-	-	-	-	-	2	-	-
4	Legal science	72	2	-	5	-	34	17	-	17	38	-	-	-	-	-	-	2	-	-	-
5	Political science	72	2	-	7	-	28	14	-	14	44	-	-	-	-	-	-	-	-	2	-
6	Ethics and Aesthetics	36	1	-	1	-	17	-	-	17	19	-	-	1	-	-	-	-	-	-	-
Total for this training cycle		468	13	1	5	-	196	81	-	115	272			1		3		4	2	2	
2.1.2. Cycle of mathematical and natural-scientific disciplines																					
1	Computer science	144	4	-	3	-	51	17	34	-	93	-	-	-	-	3	-	-	-	-	-
2	Zoology	108	3	-	1	-	51	17	34	-	57	36/2	-	3	-	-	-	-	-	-	-
3	Perspective geometry	144	4	-	3	-	34	17	17	-	110	-	-	-	-	2	-	-	-	-	-
4	Microbiology	144	4	3	-	-	51	17	34	-	93	-	-	-	-	3	-	-	-	-	-

III. STRUCTURE OF THE CURRICULUM

Cycle of disciplines	Hours	Credits	%
1. NORMATIVE ACADEMIC DISCIPLINES	5634	156,5	66
1.1. Cycle of humanitarian and socio-economic disciplines *	864	24	10
1.2. Cycle of mathematical and natural science disciplines	1692	47	20
1.3. Cycle of professional and practical training *	3078	85,5	36
2. ELECTIVE COURSES	3006	83,5	34
<i>2.1. University elective courses</i>	1944	54	22
2.1.1. Cycle of humanitarian and socio-economic disciplines *	468	13	5
2.1.2. Cycle of mathematical and natural science disciplines	540	15	6
2.1.3. Cycle of professional and practical training *	936	26	11
<i>2.2. Student elective courses</i>	1062	29,5	12
2.2.1. Cycle of mathematical and natural science disciplines *	342	9,5	4
2.2.2. Cycle of professional and practical training *	720	20	8
Total number at the training direction	8640	240	100

IV. GENERAL TIME BUDGET (weeks)

Training year	Theoretical training	Examination session	Practical Training	Master's thesis preparation	State validation	Vacations
1	34	4	6	-	8	52
2	34	5	5	-	8	52
3	33	5	6	-	8	52
4	26	6	-	4	8	44
Total	121	21	17	4	31	200

V. PRACTICAL TRAINING

№	Type of practice	Semester	Hours	Credits	Number of weeks
1	Training practice	2	216	6	6
2	Training practice	4	180	5	5
3	Manufacturing Practice	6	216	6	6

VI. COURSE WORK AND PROJECTS

№	Educational discipline	Hours	Credits	Course work	Course project
1	Horse breeding	36	1	-	1
2	Animal breeding	36	1	-	1
3	Animal nutrition and feed technology	36	1	-	1
4	Technology of pig production	36	1	-	1
5	Technology of milk and beef production	36	1	-	1
6	Technology of poultry production	36	1	-	1
Total		216	6	-	6

VII. STATE VALIDATION

№	Validation	Hours	Credits	Number of weeks
1	University final exam	36	1	1
2	Defence degree project	108	3	3

