

**CABINET OF MINISTERS OF UKRAINE
NATIONAL UNIVERSITY OF LIFE AND ENVIRONMENTAL SCIENCES UKRAINE**

**EDUCATIONAL CURRICULUM
of specialists training**

Education and qualification level	“Master”
Field of knowledge	1801 “Specific categories”
Specialty	8.18010010 “Quality, standardization and certification”
Specialization	Manufacturing
Master Degree Programs	“Management of safety and quality of food”, “Environmental standardization and certification”, “Management of quality, standardization at forestry companies and organizations”, “Quality of products, standardization and certification at the poultry enterprises”
Form of training	Full-time study
Term of training	1,5 years
Qualification of graduates	“Master in standardization, certification and quality”

Master's program implements by

Ukrainian Education and Research Institute	of Bioresources Quality and Life Safety
Faculty	of food technologies and quality management of products of agricultural products
Department	of Standardization and sertifikatsii of agricultural products

I. THE SCHEDULE FOR 2013-2014 TRAINING YEAR

Year of training	2013																		2014																																			
	September				30	October			28	November				December				30	January			27	February			24	March				31	April			28	May				June				30	July			28	August					
	2	9	16	23	IX	7	14	21	X	4	11	18	25	2	9	16	23	XII	6	13	20	I	3	10	17	II	3	10	17	24	III	7	14	21	IV	5	12	19	26	2	9	16	23	VI	7	14	21	VII	4	11	18	25		
	7	14	21	28	X	12	19	26	XI	9	16	23	30	7	14	21	28	I	11	18	25	II	8	15	22	III	8	15	22	29	IV	12	19	26	V	10	17	24	31	7	14	21	28	VII	12	19	26	VIII	9	16	23	30		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52		
I																																																						
II																																																						

Legend:

- | | | | | | |
|---|---|----------------------|-----------|---|------------------------|
| | - | Theoretical training | X | - | Manufacturing practice |
| : | - | Examination period | II | - | Diploma design |
| - | - | Vacations | // | - | State alidation |

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		
							Total	among them				Educational practice	Manufacturing practice	the 1st year		the 2nd year
		Lections	Laboratories	Practices and seminars	semester											
					1	2		3								
					Amount of weeks in a semester											
Hours	Credits	Exam	Offset	Course work (project)	Lections	Laboratories	Practices and seminars	18	18	10						
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
1. NORMATIVE ACADEMIC DISCIPLINES																
1.1. Humanitarian and socio-economic training cycle*																
1	Philosophy of science and innovative development	54	1,5	1	-	-	16	16	-		38	-	-	1	-	
2	Business foreign language	54	1,5	1	-	-	18	-	-	18	36	-	-	1		
3	Labor protection	90	2,5	1			20	10		10	70	-	-			2
4	Economic aspects of business	90	2,5	1	-	-	30	10		20	60	-	-	-	-	3
5	Civil defense	36	1,0		1	-	14	14			22			1		
The total number by cycles		324	9,0	4	1	-	98	36	-	62	226	-	-	3		5
1.2. Cycle of natural - scientific (the fundamental) training*																
1	Research and innovative processes	126	3,5	1			24	16		8	102				1,5	
2	Systems approach and decision-making methods basis	162	4,5	1			30	20		10	132					3
3	International and regional standardization and certification	36	1	-	1	-	15	15	-	-	21	-	-	-	-	1,5
The total number by cycles		324	9	2	1		69	51		18	255				1,5	4,5
1.3. Cycle of professional and practical training*																
1	Quality control	198	5,5	1		1	64	32		32	116			4		
2	Standartization	162	4,5	1			48	32		16	114			3		
3	Audit and certification	162	4,5	1			48	32		16	114			3		
4	Quality, safety and health of agricultural products	180	5,0	1		2	48	32		16	132				3	
5	Monitoring and methods of improvement of agricultural products	126	3,5		1		32	16		16	94			2		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
6	Quality Management of Agricultural products and production	180	5,0	1			64	32		32	116				4	
7	Standardization and certification of agricultural products	198	5,5	1		2	64	32		32	116				4	
8	Environmental management	126	3,5		1		32	16		16	94				2	
9	Staff management	126	3,5		1		32	16		16	94				2	
10	Mathematical modeling	72	2,0		1		20	10		10	52					2
The total number by cycles		1530	42,5	6	3	3	452	250		202	1042			12	15	2
Total by the statutory element		2178	60,5	8	5	3	619	337		282	1523			12	15	2
2. ELECTIVE COURSES																
2.1. University Elective Courses																
2.1.1. Cycle of humanitarian and socio-economic training*																
1	World agriculture and food resources	36	1	-	1	-	16	16	-	-	20	-	-	1	-	-
2	Management decisions legislation	126	3,5		1		24	16		8	102				1,5	
3	Psychology of management	126	3,5		1		32	16		16	94			2		
4	Information Technology	126	3,5	1			30	10		20	96					3
Total on university selection		414	11,5	1	3		102	58		44	312			3	1,5	3
2.2. Student's chosen disciplines																
2.2.1. Cycle of professional and practical training*																
Master degree program "Management of safety and quality of food"																
1	Veterinary Sanitation and processing of animal products hygiene	108	3,0		1		20	10	10		88					2
2	Sanitary microbiology	108	3,0		1		20	10	10		88					2
Total on student's selection		216	6		2		40	20	20		176					4
Master degree program "Environmental standardization and certification"																
1	Environmental standards and certification	216	6		1		40	20	20		176					4
Total on student's selection		216	6		1		40	20	20		176					4
Master degree program "Quality of products, standardization and certification at the poultry enterprises"																
1	Meat of agricultural poultry production	108	3,0		1		20	10	10		88					2
2	Management and marketing of poultry	108	3,0		1		20	10	10		88					2
Total on student's selection		216	6		2		40	20	20		176					4
Master degree program "Management of quality, standardization at forestry companies and organizations"																
1	Foreign-economic activity in the forestry sector	216	6		1		40	20	20		176					4

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Total on student's selection		216	6		1		40	20	20		176					4
Total under elective element		630	17,5		5		142	78	20	44	488					
Practical training		360	10													
Master's thesis preparation and defense		72	2,0													
Amount of course works (projects)						3										
Amount of offsets					10											
Amount of exams				13												
Total on specialty		3240	90	13	10	2	761	415		346	2011	-	360	18	18	18

* Names of disciplines cycles in accordance with the requirements of higher education industry standards, ratified after 2007 year, EQH and EPP.

III. STRUCTURE OF THE CURRICULUM

Cycle of disciplines	Hours	Credits	%
1. NORMATIVE ACADEMIC DISCIPLINES	2178	60,5	67,1
1.1. Humanitarian and socio-economic training cycle*	324	9,0	10,0
1.2. Cycle of natural-scientific (the fundamental) training*	324	9,0	10,0
1.3. Cycle of professional and practical training*	1530	42,5	47,2
2. ELECTIVE COURSES	630	17,5	19,4
2.1. University Elective Courses	414	11,5	12,8
2.1.1. Cycle of humanitarian and socio-economic training*	414	11,5	12,8
2.2. Student's chosen disciplines	216	6,0	6,7
2.2.1. Cycle of professional and practical training*	216	6,0	6,7
Other kinds of academic load	432	12	13,5
Total on specialty	3240	90,0	100

* Names of disciplines cycles in accordance with the requirements of higher education industry standards, ratified after 2007 year, EQH and EPP.

IV. GENERAL TIME BUDGET (weeks)

Training year	Theoretical training	Examination session	Practical Training	Master's thesis preparation	State validation	Vacations	Total
1	32	3	9			8	52
2	10	1		4	2		27
Total by EQL	42	4	9	4	2	8	69

V. PRACTICAL TRAINING

№	Type of practice	Semester	Hours	Credits	Number of weeks
1	Manufacturing Practice	1	360	10	9

VI. COURSE WORK AND PROJECTS

№	Educational discipline	Hours	Credits	Course work	Course project
1	Standardization and certification of agricultural products	18	0,5	1	-
2	Quality control	18	0,5	1	-
3	Quality, safety and health of agricultural products	18	0,5	1	-

VII. STATE VALIDATION

№	Validation	Hours	Credits	Number of weeks
1	Master's thesis preparation and defense	72,0	2,0	6