

5. Plan of the educational process

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№	Discipline name	Distribution by semester		Number of credits ECTS	Number of hours							hours per week						
					Total volume	Total	Auditorium			Independent work								
		Exams	Credits				Lectures	including	Practical, seminars		Consultations							
													1 year	2 year	3 years	4 years		
											1 semester 10 weeks	2 semester 10 weeks	3 semester 10 weeks	4 semester 10 weeks	5 semester	6 semester	7 semester	
1. Mandatory components of the general training																		
MU 1	Philosophy of science	1		3	90	30	10	20		60	3							
MU 2	Modern information technologies in scientific activity	1		3	90	40	20	20		50	4							
MU 3	Management of scientific projects and registration of intellectual property rights	1		4	120	40	20	20		80	4							
MU 4	Ukrainian and foreign languages for academic purposes	2	1	4	120	60		60		60	3	3						
MU 5	Communication in the scientific community		2	3	90	40	20	20		50		4						
MU 6	Organization of preparation of scientific publications and writing a PhD thesis	2		3	90	40	20	20		50		4						
MU 7	Introduction to teaching and learning	2		3	90	40	20	20		50		4						
Total for all cycles of mandatory components of general training				23	690	290	110	180		400	14	15	0	0	0	0	0	
2. Mandatory components of professional training																		
MU 8	Methodology of scientific research		1	3	90	40	20	20		50	4							
MU 9	Modern achievements in food science	2		3	90	30	10	20		60		3						
MU 10	Progressive engineering innovations of the world		3	3	90	40	20	20		50			4					
MU 11	Modern instrumental research methods	3		3	90	40	20	20		50			4					
MU 12	Professional Colloquium		3	3	90	40	20	20		50			4					
MU 13	Modeling and optimization of production processes in the processing industry		3	3	90	40	20	20		50			4					
MU 14	Pedagogical practice	3	4	4	120		20	20		50			4					
Total for all cycles of mandatory training components				22	660	230	110	120		430	4	3	16	0	0	0	0	
Total for all cycles of the main part of the plan				45	1350	520	220	300		830	18	18	16	0	0	0	0	
2. Elective unit																		
EU 1	Elective unit 1*	4		5	130	50	20	30		100				5				
EU 2	Elective unit 2*	4		5	130	50	20	30		100				5				
EU 3	Elective unit 3*	4		5	150	50	20	30		100				5				
Total at the choice of the postgraduate student				15	450	150	60	90	0	300	18	18	0	15	15	0	0	0
Total by cycles of normative and variable parts				60	1800	670	280	390	0	1130								
											Number of exams in total		Number of credits in total					
											12		5					
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