V. PLAN OF EDUCATIONAL PROCESS

№ з/п	TITLE OF EDUCATIONAL DISCIPLINE, PRACTICE, ATTESTATION	Distribution by semester: Exams	Distribution by semester: scores	Distribution by semester: course projects	Distribution by semester: course works	*Settlement and graphic calculations*	*Test papers, abstracts*	Number of ECTS credits	*Total hours of discipline*	Number of hours: Classroom: all	Classroom including: Lectures	Classroom including: Practical, seminars	Classroom including: Laboratory	independent work
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	***9***	*10*	*11*	*12*	*13*	*14*	*15*
	5.1. GENERAL TRAINING CYCLE													
	5.1.1. BLOCK OF MANDATORY EDUCATIONAL DISCIPLINES													
5.1.1.1	Philosophy	**2**	**1**					**6**	*180*	64	32	32		116
5.1.1.2	English for scientific communication	**4**	**1,2,3**					**12**	*360*	128		128		232
5.1.1.3	Methodology, organization and technology of scientific research	**3**	**1,2**					**9**	*270*	96	48		48	174
	Total of compulsory disciplines	**3**	**6**					**27**	***810***	**288**	**80**	**160**	**48**	**522**
	Total of disciplines of general preparation	**3**	**6**					**27**	**810**	**288**	**80**	**160**	**48**	**522**
	5.2. PROFESSIONAL PREPARATION CYCLE													
	5.2.1. BLOCK OF MANDATORY EDUCATIONAL DISCIPLINES													
5.2.1.1	Statistical methods of information processing	**4**	**3**					**6**	*180*	64	32		32	116
5.2.1.2	Mathematical and simulation modeling of complex systems	**4**	**3**					**6**	*180*	64	32		32	116
5.2.1.3	Information systems and technologies in scientific researches	**4**	**3**					**6**	*180*	64	32		32	116
	Total of compulsory disciplines	**3**	**3**					**18**	***540***	**192**	**96**		**96**	**348**
	5.2.2. BLOCK OF EDUCATIONAL DISCIPLINES UNDER THE FREE MOVEMENT OF ASPIRAN													
5.2.2.1	Fundamentals of Patents and Copyright	**3**						**3**	*90*	32	16	16		58
5.2.2.2	Intellectual Property	**3**						**3**	*90*	32	16	16		58
5.2.2.3	Progressive trends in the development of machining processes, machine tools and tools		**3**					**3**	*90*	32	16		16	58
5.2.2.4	Experimental methods of investigation of processing processes on metal cutting machines		**3**					**3**	*90*	32	16		16	58
5.2.2.5	Tests and machine tools		**4**					**3**	*90*	32	16		16	58
5.2.2.6	Software method for studying machine tools		**4**					**3**	*90*	32	16		16	58
5.2.2.7	Machine dynamics	**5**						**3**	*90*	32	16		16	58
5.2.2.8	Calculation and design of machine tools	**5**						**3**	*90*	32	16		16	58
5.2.2.9	Mathematical modeling of processes of mechanical processing and metal-cutting machine tools		**6**					**3**	*90*	32	16		16	58
5.2.2.10	Computer modeling of processing processes		**6**					**3**	*90*	32	16		16	58
	Total of disciplines at the student's free choice	**2**	**3**					**15**	*450*	160	80	16	64	290
	Total of disciplines of professional training	**5**	**6**					**33**	***990***	**352**	**176**	**16**	**160**	**638**
	the total number	**8**	**12**					**60**	***1800***	**640**	**256**	**176**	**208**	**1160**

Distribution of time in hours and credits by courses and semesters

№ з/п	I course, Sem. 1: Lectures	Practical, seminars	Laboratory	самостійна робота	**credits ЄКТС**	Sem. 2: Lectures	Practical, seminars	Laboratory	independent work	**credits ЄКТС**	II course, Sem. 3: Lectures	Practical, seminars	Laboratory	independent work	**credits ЄКТС**	Sem. 4: Lectures	Practical, seminars	Laboratory	independent work	**credits ЄКТС**
1	*16*	*17*	*18*	*19*	*20*	*21*	*22*	*23*	*24*	*25*	*26*	*27*	*28*	*29*	*30*	*31*	*32*	*33*	*34*	*35*
5.1.1.1	16	16		58	**3**	16	16		58	**3**										
5.1.1.2		32		58	**3**		32		58	**3**		32		58	**3**		32		58	**3**
5.1.1.3	16		16	58	**3**	16		16	58	**3**	16		16	58	**3**					
Total of compulsory disciplines	**32**	**48**	**16**	**174**	**9**	**32**	**48**	**16**	**174**	**9**	**16**	**32**	**16**	**116**	**6**		**32**		**58**	**3**
Total of disciplines of general preparation	**32**	**48**	**16**	**174**	**9**	**32**	**48**	**16**	**174**	**9**	**16**	**32**	**16**	**116**	**6**		**32**		**58**	**3**
5.2.1.1											16		16	58	**3**	16		16	58	**3**
5.2.1.2											16		16	58	**3**	16		16	58	**3**
5.2.1.3											16		16	58	**3**	16		16	58	**3**
Total of compulsory disciplines											**48**		**48**	**174**	**9**	48		48	174	**9**
5.2.2.1											16	16		58	**3**					
5.2.2.2											16	16		58	**3**					
5.2.2.3											16		16	58	**3**					
5.2.2.4											16		16	58	**3**					
5.2.2.5																16		16	58	**3**
5.2.2.6																16		16	58	**3**
5.2.2.7																				
5.2.2.8																				
5.2.2.9																				
5.2.2.10																				
Total of disciplines at the student's free choice											**32**	**16**	**16**	**116**	**6**	**16**		**16**	**58**	**3**
Total of disciplines of professional training											**80**	**16**	**64**	**290**	**15**	**64**		**64**	**232**	**12**
the total number	**32**	**48**	**16**	**174**	**9**	**32**	**48**	**16**	**174**	**9**	**96**	**48**	**80**	**406**	**21**	**64**	**32**	**64**	**290**	**15**

№ з/п	III course, Sem. 5: Lectures	Practical, seminars	Laboratory	independent work	**credits ЄКТС**	Sem. 6: Lectures	Practical, seminars	Laboratory	independent work	**credits ЄКТС**	IV course, Sem. 7: Lectures	Practical, seminars	Laboratory	independent work	**credits ЄКТС**	Sem. 8: Lectures	Practical, seminarsi	Laboratory	independent work	**credits ЄКТС**
1	*36*	*37*	*38*	*39*	*40*	*41*	*42*	*43*	*44*	*45*	*46*	*47*	*48*	*49*	*50*	*51*	*52*	*53*	*54*	*55*
5.1.1.1																				
5.1.1.2																				
5.1.1.3																				
Total of compulsory disciplines																				
Total of disciplines of general preparation																				
5.2.1.1																				
5.2.1.2																				
5.2.1.3																				
Total of compulsory disciplines																				
5.2.2.1																				
5.2.2.2																				
5.2.2.3																				
5.2.2.4																				
5.2.2.5																				
5.2.2.6																				
5.2.2.7	16		16	58	**3**															
5.2.2.8	16		16	58	**3**															
5.2.2.9						16		16	58	**3**										
5.2.2.10						16		16	58	**3**										
Total of disciplines at the student's free choice	**16**		**16**	**58**	**3**	**16**		**16**	**58**	**3**										
Total of disciplines of professional training	**16**		**16**	**58**	**3**	**16**		**16**	**58**	**3**										
the total number	**16**		**16**	**58**	**3**	**16**		**16**	**58**	**3**										

	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8	
The number of classroom hours per semester	**96**	**96**	**224**	**160**	**32**	**32**			**640**
The number of exams		**1**	**2**	**4**	**1**				**8**
Number of credits	**3**	**2**	**5**	**1**		**1**			**12**
Semester	*3*	*3*	*7*	*5*	*1*	*1*			