V. PLAN OF EDUCATIONAL PROCESS

№	Name of the discipline, practice, attestation	Distribution by semester						Credits of ECTS	Number of hours					
		Exams	Credits	Courses: projection	Courses: proceedings	*Graphically and computational work is*	*Checking robots, abstracts*		*Total amount of discipline*	auditory: Total	The number of: Prelections	The number of: Practical, Seminar	The number of: laboratory works	Independent work
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*
	5.1. GENERAL TRAINING CYCLE													
	5.1.1BLOCK 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							**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							**18**	**540**	**192**	**96**		**96**	**348**
	5.2.2 UNIT OF EDUCATIONAL DISCIPLINES UNDER THE FREE MOVEMENT OF ASPIRAN													
5.2.2.1	Nonlinear automatic control systems	**3**						**5**	*150*	48	32	16		102
5.2.2.2	Modern electric drive control systems	**3**						**5**	*150*	48	32	16		102
5.2.2.3	Methods of calculation of processes in power electronics systems	**3**						**5**	*150*	48	32	16		102
5.2.2.4	Methods of forming rational complex electric power systems and electrotechnical systems	**3**						**5**	*150*	48	32	16		102
5.2.2.5	Nonlinear digital automatic control systems		**3**					**5**	*150*	48	32	16		102
5.2.2.6	Spectral theory of signals in power electronics systems		**3**					**5**	*150*	48	32	16		102
5.2.2.7	Analysis of power and structural states of power systems	**4**						**5**	*150*	48	32	16		102
5.2.2.8	High-frequency quasiresonant power converters		**4**					**5**	*150*	48	32	16		102
5.2.2.9	Technical, technological and informational support of functioning of electric power systems		**4**					**5**	*150*	48	32	16		102
	Total of disciplines at a free choice							**15**	*450*	144	96	48		306
	Total of disciplines							**45**	**1350**	**480**	**176**	**160**	**144**	**870**
	Total							**60**	**1800**	**624**	**272**	**208**	**144**	**1176**

Distribution of time in hours and credits by courses and semesters (I and II course)

№	1: prelection	1: Practical, Seminar	1: laboratory works	1: independent work	1: **Credits of ECTS**	2: prelection	2: Practical, Seminar	2: laboratory works	2: independent work	2: **Credits of ECTS**	3: prelection	3: Practical, Seminar	3: лабораторні	3: independent work	3: **Credits of ЄКТС**	4: prelection	4: Practical, Seminar	4: laboratory works	4: independent work	4: **Credits of ECTS**
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**
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											32	16		102	**5**					
5.2.2.2											32	16		102	**5**					
5.2.2.3											32	16		102	**5**					
5.2.2.4											32	16		102	**5**					
5.2.2.5											32	16		102	**5**					
5.2.2.6											32	16		102	**5**					
5.2.2.7																32	16		102	**5**
5.2.2.8																32	16		102	**5**
5.2.2.9																32	16		102	**5**
Total of disciplines at a free choice											64	32		204	**10**	32	16		102	**5**
Total of disciplines											**64**	**32**	**64**	**290**	**15**	**32**	**32**	**48**	**58**	**3**
Total	**32**	**48**	**16**	**174**	**9**	**32**	**48**	**16**	**174**	**9**	**128**	**64**	**64**	**494**	**25**	**64**	**48**	**48**	**160**	**8**

Distribution of time in hours and credits by courses and semesters (III and IV course)

№	5: prelection	5: Practical, Seminar	5: laboratory works	5: independent work	5: **Credits of ECTS**	6: prelection	6: Practical, Seminar	6: laboratory works	6: independent work	6: **Credits of ECTS**	7: prelection	7: практичні семінарські	7: laboratory works	7: independent work	7: **Credits of ECTS**	8: prelection	8: практичні семінарські	8: laboratory works	8: independent work	8: **Credits of ECTS**
1	*36*	*37*	*38*	*39*	*40*	*41*	*42*	*43*	*44*	*45*	*46*	*47*	*48*	*49*	*50*	*51*	*52*	*53*	*54*	*55*

	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7
Number of auditoriums per semester	96	96	256	160			
The number of exams		**1**	**3**	**5**			
Number of credits	**3**	**2**	**5**	**1**			
Number semester	*3*	*3*	*8*	*6*			