Course code	Educational Units and Courses	Semester	Form of Examination/	Workload (hours)		ECTS credits
			Assessment	Contact Time	Self-Study Time	
	Unit 1.1 General training			780	660	48
GT1	History and culture of Ukraine	1	Exam	32	58	
GT2	Ukrainian language (for professional purposes)	1	Exam	32	58	
GT5	Higher mathematics	1	Exam	80	100	
GT6	Physics	1	Exam	48	72	-
GT3 GT4	Foreign language for professional purposes Fundamentals of humanitarian and philosophical knowledge	1-2	Credit Exam	120 28	60	
OTE.	in professional activity		F	0.4		-
GT5 GT7	Higher mathematics Foreign language for professional communication	6-7, 8	Exam Credit, Exam	84 168	66	
GT8	Physical education	1-6	Credit	188	172	
310	Unit 1.2 Professional training		Crean	1540	2420	132
PT1	Algorithmization and programming	1	Exam	96	54	1
PT2	Fundamentals of computer science and artificial intelligence	1	Credit	64	56	1
PT1	Algorithmization and programming	2	Exam	84	96	
PT4	Operating systems	2	Credit	56	64	
PT5	Algorithms and data structures	2	Credit	56	64	1
PT24	Introductory practice at the "Innovation Campus"	2	Credit	0	90	
PT3	Probability theory and mathematical statistics	3	Exam	64	86	_
PT19	Mathematical modeling and analysis of systems	3	Credit	64	86	
PT9 PT10	Databases Object-oriented programming	3	Exam Exam	48 64	72 56	
PT10 PT11	Computer networks	3	Credit	48	42	
PT6	Discrete mathematics	4	Credit	64	56	†
PT9	Databases	4	Exam	64	56	
PT12	Fundamentals of web development	4	Exam	64	56	
PT13	Business analysis methods for requirements management	4	Credit	48	72	
PT7	Numerical methods	5	Exam	64	86	1
PT14	Distributed computing and cloud services	5	Credit	48	42	
PT15	Software architecture and design	5	Exam	48	72	
PT16	Software quality, testing and support	5	Exam	48	72	
PT15	Software architecture and design	6	Exam	64	56	
PT17	Fundamentals of cybersecurity	6	Exam	48	42	
PT25	Project (practice)	6	Credit	0	180	-
PT8 PT18	Operations research	7	Exam Exam	64	56 56	-
PT20	Decision making theory Methods of computational intelligence	8	Exam	30	90	1
PT8	Operations research	7	Credit	48	72	-
PT21	Intelligent management systems and knowledge bases	8	Credit	50	100	
PT22	Intelligent data analysis	8	Credit	40	80	-
PT23	IT project management	8	Exam	40	50	1
PT26	Pre-diploma practice	8	Credit	0	180	1
	Certification	8	Credit	0	180	
	Unit 2.1 Profile training 2.1.1 Profiled discipline package 01 "Research and			464	526	33
	Development"					1
OP1.1	Data collection and preparation	3	Credit	64	56	
OP1.2	Probabilistic and statistical models	4	Credit	48	72	 - -
OP1.3	Planning of the experiment	5	Credit Credit	48 48	72	
OP1.4 OP1.5	Complex systems modeling methods Fuzzy logic and fuzzy systems	7	Credit	32	72 88	
OP1.6	Fundamentals of Machine Learning	7	Credit	32	88	-
OP1.7	Foreign language for scientific research	3-4, 5	Credit, Exam	192	78	1
	2.1.2 Profiled discipline package 02 "Software Development and Startup"	, 5	, Lawin	464	526	
OP2.1	Fundamentals of entrepreneurship	3	Credit	64	56	1
OP2.2	Business modeling	4	Credit	48	72	1
OP2.3	Fundamentals of prototyping	5	Credit	48	72	1
OP2.4	Startup business planning	6	Credit	48	72]
OP2.5	Internet marketing	7	Credit	32	88	1
OP2.6	Startup business analytics	7	Credit	32	88	1
OP2.7	Foreign language for business communications 2.1.3 Profiled discipline package 03 "Innovation Campus"	3-4, 5	Credit, Exam	192 464	78 526	
OP3.1	Development of corporate information systems (part 1)	3	Credit	64	56	
OP3.2	Development of corporate information systems (part 2)	4	Credit	48	72	
OP3.2	Databases for corporate information systems	5	Credit	48	72	
OP3.4	Architecture of corporate information systems	6	Credit	48	72]
OP3.5	Project workshop	7	Credit	32	88]
OP3.6	IT project teams formation and development	7	Credit	32	88]
OP3.7	Foreign language for the development of corporate	3-4, 5	Credit, Exam	192	78	
ODP	Unit 2.2 Optional student disciplines of the profile	4-6	Credit	192	258	15
	preparation according to the list Unit 2.3 Optional student disciplines from the general			144	216	12
OD1	university catalog of disciplines Discipline 1	7	Credit	48	72	1
OD2	Discipline 2	7	Credit	48	72	1
OD3	Discipline 3	7	Credit	48	72	<u></u>
	Total			3120	4080	240