#### Partner university: NPUA

	Innovation COMPETENCES	History, methodory, and models problems of sciens of	Foreign Ianguo	17 Droge	Physmath Discmath	Muttidines Muttidinensio nal control Systemol	MATLAB and Simunumi package use in control
1	Basic knowledge on innovation and entrepreneurship, skills to transform new ideas and scientific results	x					
2	Ability to think creatively, differently and outside of the box	Х					x
3	Ability to integrate knowledge and technologies from multiple technical disciplines			х	x	х	x
4	Ability to critically evaluate existing solutions, identify needs for improvement and seek new solutions	x				х	
5	Ability to take initiatives on interested tasks with devotion and entrepreneurial mindset						x
6	Ability to develop teamwork, communicate and build collaboration networks		x				x
7	Ability to apply the modern IT tools for problem solving		use of modern tools	x			x
8	Ability to design, calculate and solve problems			х	x	х	x
9	Ability to participate actively in learning process						x
10	ability to formulate technical tasks			х	x		x
11	ability to use innovation approaches for the development of new technologies to invest and ceommercionalize						x
12	ability to elaborate and implement innovation activity organizational plan within teamwork						x
13	Ability of self-development	x	x				

Systems Modern Methods of automat theor.	Use of Use of LabView robotics module and toolbox to design and investigate	Fuzzy logic and neural netural	control the	Use of Stateflow Dackage in robot	Mobile .	Innovation Systems	Entrepreneurs hip
						namely into viable business	namely into viable business
	x	X		X	Х	x	x
x	x	x	x	x	x	x	x
x			x			x	x
	x	x		х	x	х	x
	x	х		х	х	х	x
	x	x		x	x	x	x
x	x	x	x	х	х	x	x
x	х	x	х	х	х	x	x
	х	х		х	х	х	x
	x	x		x	x	x	x
	x			х	х	x	x
x			x			х	x

Partner university: AUPET	-	mme: Ir		-	-						-03		
Innovation COMPETENCES	4	oftware fo	r controlle	rs in contri ontrol syste eans of inf	ol systems ems ormation botic syst	measurin ems echatroni	e systems	of reliabilition of the second s	y of instruit tem reliation teert syste	ments and ility analys ms in pow ethods for Dr	systems sis er enginer planning esign of er	ering and analy ergy effici telligent c	ting a scienti rency of pow ontrol and r spert system Desig
Ability to think creatively, differently and outside of the box				x			x			x	x		x
Ability to critically evaluate existing solutions, identify needs for improvement and seek new solutions		x						х				x	
Ability to integrate knowledge and technologies from multiple technical disciplines or business branches	I X		x	x	x		x	x	x	x		x	x
Ability to take initiatives on interested tasks with devotion and entrepreneurial mindset				x		х			x	x		x	
Ability to develop teamwork and build collaboration networks	I X	x		x	х	х	x	x	x		х	x	x
Basic knowledge on innovation and entrepreneurship, skills to transform new ideas and scientific results into viable business				x		х	x		x	x	х	х	
Adaptability and Flexibility: Displaying the capability to adapt to new, different, or changing requirements.				х			x		х	x	х		x
Client/Stakeholder Focus: Efficiently and effectively addressing the needs of clients	х			х			x	х	х	x	х		x
				Measu	irement s engin	ystems in eering	) power		Robotics		Intelli	gent infoi systems	



#### Universiy: TarSU

	Innovation COMPETENCES	History and philosiphy of	Forei <sub>ên languagees</sub>	Pedagogy .	Introduction to polimer	Polymer re-	Smeering Applied max	Industrial c.	Simulation	Spectrosco.	Chemical en
1	Ability to think creatively, differently and outside of the box	х		х		x			x		x
2	Ability to critically evaluate existing solutions, identify needs for improvement and seek new solutions			x		x			x		x
3	Ability to integrate knowledge and technologies from multiple technical disciplines or business branches					x		x			x
4	Ability to take initiatives on interested tasks with devotion and entrepreneurial mindset									x	
5	Ability to develop teamwork and build collaboration networks	х	х	х	х	x	x	x	x	х	x
6	Basic knowledge on innovation and entrepreneurship, skills to transform new ideas and scientific results into viable business										
7	Environmental responsibility, reduce ecological impact of a decision (damage caused to other species, to nature or future generations).				x	x	x	x	x	x	x
8	Use learning in a strategic, autonomous and flexible way, throughout life	Х	х	х	х	x	x	x	x	х	x
9	Ability to use the modern techniques, skills and updated tools necessary for the practice of the profession				х	х	x	х	х	х	х
10	Design and evaluate a process effectively until it is finalized in a project				х	х	x	х	х	х	x

Theory and tory	Catalysis in Stroblems of	Optimization	Advanced s	Enviroment	Dynamics of engineering and conte of proc	Production of chemical Innovation technical	Applied chemistr.	Master thesis
		x	x		x	х	х	x
		x	x	x	x	х	х	x
	x	x				x	х	x
	x		x	x		x	х	x
x	x	x	x	x	х	х	х	x
		x	x			x	х	
x	x	x	x	x	x		х	x
x	x	x	x	x	x	х	х	
x	x	х	х	х	х	х	х	х
x	x	х	х	х	х		х	x

Partner university: BSU (Georgia)

Prroran	nme: Civil Engineering	1	2	3	4	5	6	7	8	9
	Innovation COMPETENCES	Object oriented Programming C++	M <sub>atematical</sub> Modeling	R <sub>ecearch</sub> Methods	Co <sub>nst</sub> ruction Management	Compiuter Desining System of Construction LIRA	Structural Mechanics	Building Materials	Mechanics of Soils and Faundations	Structural Steel
1	Ability to think creatively, differently and outside of the box		Х		Х				х	х
2	Ability to critically evaluate existing solutions, identify needs for improvement and seek new solutions		Х	х					х	х
3	Ability to integrate knowledge and technologies from multiple technical disciplines or business branches	Х	Х	х		Х				
4	Ability to take initiatives on interested tasks with devotion and entrepreneurial mindset			х	Х					
5	Ability to develop teamwork and build collaboration networks				Х					
6	Basic knowledge on innovation and entrepreneurship, skills to transform new ideas and scientific results into viable business									х
7	be able to apply theories, methods and tools of decision-making and analysis to practical management activities.	Х		х	Х					
8	be able to logically think through a problem and solve it, to contribute to innovative thinking, and to unambiguously communicate knowledge and solutions to the constructor community and society, orally and in writing			х	х					
9	be able to analyse processes and structures of organisations and their development issues				Х					
10	be able to work with others in task-oriented groups, productively participating and interacting in the group			Х	Х					

10	11	12	13	14	15	16	17	18	19	20
Structural Reinforce Concrete Design	Labor Safety	legislation Construction Process	Str <sub>uct</sub> ural Design <sub>II</sub> Steel	Str <sub>uct</sub> ural Reinforce Concrete D <sub>esign</sub>	Construction Process	Earthquake engineering	Construction Survey and Testine	Innovation Systems	Ent <sub>er</sub> penaural for Engine	Master's Thesis
x			Х	х	Х		Х	х	х	Х
x	Х	Х	Х	Х	Х	Х	Х	х	х	Х
	Х									Х
					х					Х
		Х			х			Х	Х	Х
x			Х	Х	Х			х	х	Х
						х		х	х	
	x	х						х	x	х
	Х							х	х	Х
	Х	Х						Х	Х	Х
								7	7	11

#### Partner university: GTU

	Program -"Energy and Electrical Engineering"	1	2	3	4	5
			ation and treestion of the	Powertran	eeting and socieent	and Distribution is supply
	Innovation COMPETENCES	Prepa	Energy	Powel	Technic Tra	Electric
1	Ability to think creatively, differently and outside of the box	х		x		
2	Ability to critically evaluate existing solutions, identify needs for improvement and seek new solutions		х			x
3	Ability to integrate knowledge and technologies from multiple technical disciplines or business branches					
4	Ability to take initiatives on interested tasks with devotion and entrepreneurial mindset	х		х		
5	Ability to develop teamwork and build collaboration networks					
6	Basic knowledge on innovation and entrepreneurship, skills to transform new ideas and scientific results into viable business	х				
7	Advocate organizational changes necessary for developing					
8	Maximiz leadership strengths					
10	Ability to adapt the principles of life cycle thinking and sustainable development in the domain of energy and the environment	х		x		
11	be able to analyse processes and structures of organisations and their development issues				х	

6	7	8	9	10	11	12	13	14	15	
1 of Technological Completes Business Com	numication English	Nangenont Syst	niational col	In Production, 2 and Distribution 2	technical franks	ston meon and stor trainth stice trainth Wangeren of creating wangeren of creating	oralises of a second	Development of Energy	Prod d Financial Risks in Energy e Energy Product	en Coestonall Waragenent
				x			x			
	x	x		x		x	x	x	x	
		x				х		x		
		x		x		х			x	
x				x	х				x	
		x		x		х		x		
		x		x		х	x	x	x	
x		x				х				
							x	x		
		x	x	x		x	х	x	x	

Partner university: BrSTU (Belarus)

Progran	nme: Artificial intelligence	1	2	3	4	5	6	7	8	9
	Innovation COMPETENCES	Moden Problem Informs of	Graph theory	Innovation technology of intelligent of	<sup>design It systems</sup> Al technology	Systems theory	Statistical methods of Drog of	ressing data Knowledge representation	Time series analysis	Text information Drocess
1	Ability to think creatively, differently and outside of the box	Х		X	X	X			х	
2	Ability to critically evaluate existing solutions, identify needs for improvement and seek new solutions		х	Х	Х		Х			x
3	Ability to integrate knowledge and technologies from multiple technical disciplines or business branches			х	х					х
4	Ability to take initiatives on interested tasks with devotion and entrepreneurial mindset	Х		Х	Х	х	Х		Х	
5	Ability to develop teamwork and build collaboration networks		х	Х					Х	
6	Basic knowledge on innovation and entrepreneurship, skills to transform new ideas and scientific results into viable business			х	Х				Х	
7	be able to apply theories, methods and tools of decision-making and analysis to practical management activities.			х	х					
8	be able to logically think through a problem and solve it, to contribute to innovative thinking, and to unambiguously communicate knowledge and solutions to the constructor community and society, orally and in writing		x	x	x			x		x
9	be able to analyse processes and structures of organisations and their development issues			х	x	Х		x		x
10	be able to work with others in task-oriented groups, productively participating and interacting in the group			Х	Х			х		

10	11	12	13	14	15	16	17	18	19	20
ntelligent methods of data protection	Information search	Immune systems	Intelli <sub>Sent</sub> robotics	Cryptography	Pedagogy	Fore <sub>lehn</sub> Lan <sub>Buage</sub>	Base of Information technori	Innovation Systems	Enterpenaural for Enginaural	Master's Mesis
		Х							х	х
x				Х	х			х	х	х
	x				х			х		х
Х	x		х		х	Х	Х	х		х
		Х	х	Х				х	х	Х
			х					х	х	Х
				Х				х	Х	х
	x			х				x	x	x
								х	х	х
								Х	Х	Х
								7	7	11

Partner	university: BSU (Belarus)									
Program	nme: Mechanics and Mathematical Modeling	1	2	3	4	5	6	7	8	9
	Innovation COMPETENCES	<sup>Economics</sup>	Programming methods and infor-	<sup>Computati</sup> cs <sup>Computation</sup> <sup>methods</sup>	Int <sub>eral</sub> equations	Fundamentals of enterpreneurshi p	Information technologic	Computational Systems and	rectworks Theoretical Mechanics	Continuum Mect
1	ability to think creatively, differently and outside of the box	Х		X	Х	x			x	
2	ability to critically evaluate existing solutions, identify needs for improvement and seek new solutions		Х	х	Х		х			X
3	be able to apply the methods of scientific knowledge (analysis, comparison, systematization, abstraction, modeling, data validation, decision-making, etc.)			х	X					X
4	have the ability to adapt to new situations, practical understanding of the accumulated experience and assessment of their capabilities	Х		х	X	x	x		Х	
5	be able to conduct professional, including research activities in the field of mechanics, solve practical problems, creatively comprehend the results of international scientific and scientific-technical research		x	x					x	
6	basic knowledge on innovation and entrepreneurship, skills to transform new ideas and scientific results into viable business			х	Х				Х	
7	be able to apply theories, methods and tools of decision-making and analysis to practical management activities.			х	Х					
8	be able to analyze, verify, evaluate the completeness of information in the course of professional activity, if necessary, fill in and synthesize the missing information, work in conditions of uncertainty		x	x	x			x		x
9	be able to analyse processes and structures of organisations and their development issues			Х	Х	x		х		X
10	be able to work with others in task-oriented groups, productively participating and interacting in the group			Х	Х			Х		

10	11	12	13	14	15	16	17	18	19	20
Me <sub>ch</sub> anics Materials of	Computational mechanistional	Information theory	Computer mechanics	Calculus of Variations	hedse ege	Foreighn Language	Complex function theory	Innovation Systems	Ent <sub>er</sub> penaural for Engine	Master's Thesis
		Х							х	Х
x				х	x			х	х	Х
	x				x			х		Х
x	x		x		x	x	Х	х		Х
		х	x	х				х	х	х
			x					х	х	Х
				х				х	х	х
	x			х				х	x	х
								х	х	Х
								Х	Х	Х