8.	Graduate model
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	"6B07101 - «Automation and Control»	«7M07101 - Automation and Control»
Be able to:	-to use the apparatus of mathematics,	-use modeling methods for research and
	physics, electronics, the basics of	design of computer information processing
	electrical engineering to solve engineering	and control systems and their subsystems;
	problems in the field of automation and	-apply standards, methodological and
	control; -apply modern programming	development and design of process
	computer hardware telecommunications	automation systems: - to develop
	modeling and database design methods: -	intelligent control systems based on
	to practice knowledge of linear and	neurons and intelligent control of
	nonlinear automatic control systems, their	technological processes; -perform complex
	mathematical description and modeling; -	engineering and technical developments in
	select standards, methodological and	the field of automation, fundamentals of
	regulatory materials for the development	management and decision-making,
	and design of process automation systems;	methods used in the development of
	-assess the condition of automation	modern computer process control systems.
	facilities, technological processes and	
	technical systems; -to critically analyze	
	study of design solutions: to conduct an	
	experiment analysis and interpretation of	
	data: -develop projects in the field of	
	automation, robotics and provide technical	
	support for systems.	
	-principles of construction and functioning	-use modeling methods for research and
	of technical and computer systems; -	design of computer information processing
Know and understand:	principles of the organization of expert	and control systems and their subsystems;
	systems and programming of	-apply standards, methodological and
	microcontrollers, the basics of analyzing	regulatory materials that define the
	the results of solving management tasks; -	development and design of process
	commissioning of automatic systems using	intelligent control systems based on
	computer technology -mathematical	neurons and intelligent control of
	methods for the analysis and synthesis of	technological processes: -perform complex
	linear and nonlinear automatic control	engineering and technical developments in
	systems; -relay protection systems,	the field of automation, fundamentals of
	application programming and circuit design	management and decision-making,
	of electronic devices; -effective systems for	methods used in the development of
	automatic and automated control of	modern computer process control systems.
	technological processes, controllers and	
	actuators operating under the control of	
	scadare of project work in the field of	
	automation and control of technological	
	processes and productions: -design and	
	calculation work at the stages of technical	
	and operational design of automation and	
	control systems, methods of synthesis of	
	automatic control systems	

Dean of the Faculty _____ Nabiollina M.S.

Head of Department _____Makashev E.P.