

Name	Form of assessment						Credits	Total academic hours						Year 1		Year 2		Year 3		Year 4		Assigned department		
	Examination	Pass/fail test	Pass/fail exam with a grade	Term project	Course work	Module test		Calculation and graphic work	Fact	As scheduled	Work with a teacher	Class-room	Self-study	Control	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8	Code	Name
															Credits	Credits	Credits	Credits	Credits	Credits	Credits	Credits		
Unit 1. Disciplines (modules)																								
Core part																								
Socio-humanitarian module																								
History (history of Russia, general history)																								
Social interaction in the industry																								
Culturology and intercultural communications																								
Social science																								
Psychology of communications																								
Philosophy																								
Economics of the industry																								
Legal regulation in construction. Corruption risks																								
Module "Physical education and sport"																								
Basics of PE																								
Physical self-perfection																								
Mathematics and natural scientific module																								
Chemistry																								
Mathematics																								
Algebra and geometry																								
Mathematical analysis																								
Probability theory and mathematical statistics																								
Physics																								
Information technology																								
Mathematical modelling																								
Module "Business communications"																								
Russian language and culture of speech																								
Foreign language																								
Module "Safe living environment"																								
Engineering ecology																								
Life safety																								
Engineering and technical module																								
Engineering and computer graphics																								
Engineering geodesy																								
Engineering geology																								
Liquid and gas mechanics																								
Theoretical mechanics																								
Material resistance																								
Basics of engineering mechanics																								
Electrical engineering and electricity supply																								
Metrology, standardization, certification and quality control																								
Basics of geotechnical engineering																								
General professional module																								
Construction materials																								
Basics of architecture																								
Basics of civil structures																								
Basics of heat and gas supply and ventilation																								
Basics of water supply and sanitation																								
Technological processes in construction																								
Mechanical means of construction																								
Construction organization, planning and management																								
Basics of technical operation of buildings and structures																								
Professional module																								
Technical thermodynamics, heat and mass transfer																								
Heat generating plants																								
Superchargers in heat and gas supply and ventilation systems																								
Theoretical foundations for creating a microclimate in a room																								
Heating																								
Heat supply																								
Ventilation																								
Conditioning																								
Gas supply																								
Automated design of heat and gas supply and ventilation systems																								
Part formed by the educational process participants																								
Introduction to profession																								
Engineering surveys in construction																								
Quality control of heat and gas supply and ventilation systems																								
Scientific research methods																								
Diagnostic and repair of heat and gas supply and ventilation systems																								
Elective courses																								
Regulatory documents for the design of buildings and engineering structures																								
Development and execution of project documentation in construction																								
Elective courses																								
Heat and gas supply and ventilation systems economy																								
Pricing and budgeting in construction																								
Elective courses																								
Air-pollution control																								
Energy efficiency in heat and gas supply and ventilation systems																								
Elective courses																								
Heat and gas supply and ventilation systems automation																								
Mechanization and automation of heat and gas supply and ventilation systems																								
Unit 2. Practical training																								
Core part																								
Academic training																								
Introductory practice																								
On-the-job training																								
Technological practice																								
Pregraduation practice																								
Unit 3. State final examination																								
Preparation for the defense procedure and defense of the final qualification work																								
Elective courses																								
Research workshop																								
Information and bibliographic culture																								
Practice-oriented course "Internet of things"																								
Elective disciplines (modules) in Physical education and sport																								

Module "Physical education and sport" (B)	246						330	330	330											
Practical training in PE and sport (elective course)	246						330	330	330											56 Department of Physical education