

DESCRIPTION OF ACADEMIC PROGRAMME TAUGHT IN RUSSIAN AND ACCEPTING INTERNATIONAL STUDENTS FOR THE FOREIGN-LANGUAGE SUSU WEBSITE

Division: *Institute of Architecture and Construction*

Academic programme: *08.03.01 Construction Engineering*

Mode of study: *full-time*

Programme length: *4 years*

Programme level: *Bachelor's degree*

Language of instruction: *Russian*

Programme description: *This leading Bachelor's degree programme in Construction Engineering is among the most popular ones with students. Every year, around 100 applicants enrol here for full-time and part-time studies. The majority of lectures are held in multimedia classrooms with the use of original unique courses, which often provide a view of standard matters at a different angle, and this allows students to deeper examine and understand the subject. Course-specific disciplines are taught by practicing specialists: candidates and doctors of sciences with vast experience in design, survey, and construction works. During training, students have an opportunity to get involved in the research activity of the Institute, what gives additional motivation for self-improvement. Graduates of the Industrial and Civil Construction programme are in demand in all spheres, not only in construction but also in related fields.*

Main programme-specific classes:

Metrology, Standardization and Certification; Construction Ecology; Finite Elements Method for Solving Construction Tasks; Numerical Methods for Structure Calculations; Organization, Management and Economics of an Enterprise; Technology of Construction Processes; Technology of Construction of Buildings and Facilities; Foundation Engineering; Reinforced Concrete and Masonry Structures; Metal Structures; Timber and Plastic Structures; Construction Mechanics; Engineering and Geological Survey in Construction; Construction Machinery and Mechanisms; Pricing and Budgeting in Construction; Monitoring, Testing, and Reinforcement of Buildings and Facilities; Metal and Welding Technology; Optimization of Load Distribution in Structures; Building Construction in Extreme Environments; Light-weight Steel Structures; Architecture of Civil and Industrial Buildings; Technology of Finishing Works and Systems of KNAUF; Digital Methods of Geodetic Works Processing; Software Packages for Building Design; Concrete Studies; Computer-aided Systems for Development of Design Documentation.

Programme manager: *Head of the Department of Building Technologies and Structural Engineering, Candidate of Sciences (Engineering), Associate Professor Aleksandr V. Kiyanets*

Full name and contacts (phone number, e-mail) of the person in charge of the information accuracy (not to be placed on the website):

Head of the Department of Building Technologies and Structural Engineering, Candidate of Sciences (Engineering), Associate Professor Aleksandr V. Kiyanets