

# 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:** *08.04.01 Construction Engineering*

**Mode of study:** *part-time*

**Programme length:** *2.5 years*

**Programme level:** *Master's degree*

**Language of instruction:** *Russian*

**Programme description:** *This Master's degree programme gives its graduates the opportunity to manage construction and design organisations, perform non-standard works in the field of building calculations, as well as apply their knowledge in research and teaching activities. Two years of full-time training (or 2.5 years part-time) will provide students with a wide range of knowledge in various in-demand fields of study. Master's degree students will not only study all relevant disciplines, but also participate in the Department's research work in more than 15 directions. For this purpose, the Department facilities are fitted with modern research equipment and software. Starting from 2018, Master's degree students are trained in the form of project-based learning. In essence, project-based learning means that a team of Master's degree students develop a real project, from an idea to its implementation.*

**Main programme-specific classes:**

*Methodology of Engineering Survey; Methods of Solving Scientific and Engineering Problems in Construction; Information Technologies in Construction; Cost-effectiveness Analysis of Construction Systems; Resource-saving Technologies in Construction; Computer Modelling of Foundation Structures; Management of Investment and Construction Projects; Management of Innovation Activities in Construction; Organizational-and-technological and Economical Solutions for Construction of Unique Buildings and Facilities; Computer-aided Design of Construction Structures; Computer Technologies for Design of Facilities in the Context of Non-stationary Processes; Theory of Structural Materials Operation; Energy-saving Technologies in Modern Construction; Theory of Calculating of Plates and Shells; Design Safety of Buildings and Facilities; Dynamics and Stability of Facilities.*

**Programme manager:** *Professor of the Department of Building Technologies and Structural Engineering, Doctor of Sciences (Engineering) A.Kh. Baiburin*

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

*Professor of the Department of Building Technologies and Structural Engineering, Doctor of Sciences (Engineering) A.Kh. Baiburin*