

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: *full-time*

Programme length: *2 years*

Programme level: *Master's degree*

Language of instruction: *Russian*

Programme description: *It is aimed at developing students' personal qualities, as well as the formation of general cultural, general-professional and functional competencies in accordance with the requirements of the Federal State Education Standards of Higher Education. In the field of personal development it is aimed at developing of students' personal qualities that contribute to their creative activities, general cultural growth and social mobility. In the field of education it is aimed at the practical implementation of the requirements of the Federal State Education Standards of Higher Education in this sphere of training as a federal social norm in the educational and scientific activities of the university.*

During the training students have a lot of room to fulfil themselves in creative and research activities: participate in research projects, conferences, etc.

Graduates of this academic programme are in demand in the labour market.

Main programme-specific classes:

Information Technologies in Construction; Mathematical Modelling of Objects; Methods of Solving Scientific and Engineering Problems in Construction; Supercomputer Modelling of Technical Devices and Processes; High-functional Concrete; Binders Made of Technogenic Raw Materials; Durability of Concrete; Building Materials Testing; Methods of Forming the Structure and Properties of Building Materials; Cement Concrete Modifiers; Nanotechnology in Building Materials Production; Fundamentals of Fracture Mechanics and Improving the Strength of Structural Materials; Promising Fields of Development of Work in Cement Systems Modification; Technological Evaluation of Mineral Raw Materials; Physical Chemistry of Mineral Binders.

Programme manager:

*Professor of the Department of Building Materials and Products, Doctor of Sciences
(Engineering) T.N. Chernykh*

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 Materials and Products, Doctor of Sciences
(Engineering) T.N. Chernykh*