

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

Students of this programme learn the specifics of:

- *Theory and practice of engineering of modern systems of gas supply, heat supply, heating, ventilation (including emergency and antismoke ventilation), as well as air conditioning;*
- *Performing energy audit for the systems of heat supply, gas supply, heating, ventilation, and air conditioning; developing energy-conservation measures for these systems and evaluating their effectiveness;*
- *Using modern computer programs and Bim technologies for research on the systems of heat and gas supply, ventilation and air conditioning.*

Graduates are in demand in:

- *organisations designing and operating the systems of heat and gas supply, ventilation and air conditioning in civil and industrial buildings;*
- *organisations performing energy audit in buildings and facilities;*
- *research institutions;*
- *central and local authorities;*
- *agencies of state and independent expert examination.*

Main programme-specific classes:

- *Theory and Practice of Engineering Modern Systems of Ventilation;*
- *Theory and Practice of Engineering Modern Systems of Gas Supply;*
- *Theory and Practice of Engineering Modern Systems of Heating;*
- *Theory and Practice of Engineering Modern Systems of Air Conditioning;*
- *Theory and Practice of Engineering Modern Systems of Heat Supply;*
- *Energy Conservation in the Systems of Heat and Gas Supply, Ventilation and Air Conditioning;*
- *Heat-engineering Specifics of Complex Outer Shells;*
- *Design of Systems of Antismoke and Emergency Ventilation;*
- *Evaluating the Effectiveness of Energy-conservation Measures in the Systems of Heat and Gas Supply, Ventilation and Air Conditioning;*
- *BIM Technologies in the Systems of Heating, Ventilation and Air Conditioning.*

Programme manager: *Candidate of Sciences (Engineering), Associate Professor E.Yu. Anisimova*

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 Town Planning, Engineering Networks and Systems, Doctor of Sciences (Engineering), Associate Professor Dmitriy V. Ulrikh