| Program name | Specialist's degree program  
Construction of unique buildings and structures  
Speciality: Construction of high-rise and large-span buildings and structures |
| Key facts | The program is intended for those wishing to receive education in the field of industrial and civil construction.  
Upon completion of training, the graduate is awarded the qualification of a civil engineer. A graduate can work in managerial positions (site supervisor, head of a workshop), as well as a specialist in a design department or bureau (design engineer, laboratory engineer).  
The program focuses on the development of practical skills, therefore, students have the opportunity to work in modern software systems for modeling and calculating construction objects in a modern and well-equipped laboratory.  
A graduate who has mastered the program will be able to solve the problems of design and construction of buildings and structures at each stage of the development of working documentation. |
| Program length | 6 years |
| Starting date | September, 1st |
| Language of instruction | English |
| Prerequisites |  
- Document, confirming secondary comprehensive education or secondary vocational education  
- Good command of English (certificate or other official document, English level B1 (European Framework of Reference of Communicative Skills)  
- Skype or Zoom interview |
| Tuition fee per year | 250 000 roubles (~ 3310 USD) |
| Program leader/team | Mariia Plyasunova, assistant professor of the Department of Building Structures and Controlled Systems |
| Qualification | Civil engineer |
| Skills/ objectives | - the ability to solve applied problems of the construction industry, analyze and use information about construction projects;  
- choose ways and methods of solving problems of professional activity on the basis of normative and technical documentation and knowledge of industry problems, experience in solving them  
- to use computer-aided design tools in design activities;  
- modeling in software computational complexes of complex unique design solutions of units, parts of a building, high-rise and large-span buildings and structures;  
- organization of the design work execution processes from the beginning of surveys to the issuance of working documentation for the construction object, approvals and examinations and the delivery of documentation to the technical customer, as well as the implementation of field supervision over compliance with the approved design solutions |
| Curriculum | Design regulatory framework,  
Architecture,  
Strength of materials,  
Urban trends in the development of the construction of high-rise and large-span buildings and structures,  
Structural mechanics,  
Foundations, |
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