Industrial and Civil Construction

Immanuel Kant Baltic Federal University

Degree or qualification is awarded: **Bachelor**

Language of study: **Russian**
Mode of study: **full-time, extramural**
Duration: **4 years**
Availability of free education: **yes**
Price: **2 100 USD per year**

Programme curator: **Shershova Lidia Vladimirovna**
Tel.: **+79114916337**
E-mail: LSHershova@kantiana.ru

This course aims to provide you with the knowledge of every aspect of construction activities, from planning and design to the construction and subsequent operation of modern buildings and structures. You will be able to organise construction and installation work on the most complex sites and thereby shape the face of our cities by studying modern technical and technological solutions in industrial and civil engineering.

You will learn how to easily navigate through regulations and laws in the field of engineering design and become familiar with the theory of structural design. This will allow you to develop architectural planning and design solutions with ease. You will also learn how to prepare cost estimates for a project, how to monitor building structures and how to organise and manage all stages of the construction process to meet the challenges of implementing environmental safety measures and quality control and expertise in the various materials used in the industry.

The international partner of this course is the Czech Technical University in Prague, Faculty of Civil Engineering.

Specializations within this programme

What will I study?

• Fluid and gas mechanics
• Fundamentals of geotechnics
• Means of construction mechanisation
• Fundamentals of building structures
• Resistance of materials
• Foundations of buildings, structures
• Reinforced concrete and stone structures
• Wood and plastic structures
• Labour protection in construction
• Standard complexes and programmes of calculation of structures
• Numerical methods of calculation of building structures
• Experience and practice of territorial planning and design