VSB TECHNICAL UNIVERSITY OF OSTRAVA | FACULTY OF CIVIL ENGINEERING

Civil Engineering

Study branch: Building and Industry Construction

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Faculty	Faculty of Civil Engineering
Type of study	Bachelor
Language of instruction	English
Code of the branch	S05
Regular period of the study	4 years
Cost	50,000 CZK per semester
Department	Department of Building Constructions
Coordinator	prof. Ing. Antonín Lokaj, Ph.D.
Keywords	residential buildings, industrial buildings, Building constructions, Structural engineering, civic amenities buildings

About study programme

During the study, the student of the specialization of Building and Industrial Constructions will acquire the knowledge of designing and realization of building constructions - residential buildings, civic amenities buildings, industrial buildings and agricultural buildings. The regulations for admission are governed by the Statute of VŠB-Technical University of Ostrava, specifically the Article 8.

Graduate's employment

The graduate acquires the knowledge for the design of buildings, as well as the knowledge for their realization. The graduate also acquires the knowledge about the issue of the foundation engineering, the concrete, brick, metal and wooden constructions, the building interior installation, the building physics, the building failures and the redevelopment of these failures. The graduate also acquires the knowledge about currently implemented BIM. The graduate finds out application in the design practice, in the construction of buildings and in the field of capital construction. The graduate will be prepared for the Master Study at the Faculty of Civil Engineering of VŠB-Technical University of Ostrava or at other Faculties of Civil Engineering in the Czech Republic and abroad.

Study aims

The field of study is focused on designing and realization of residential buildings, civic amenities buildings, industrial buildings and agricultural buildings. After passing the graduate acquires the knowledge for the design of buildings, as well as the knowledge for their realization. The graduate also acquires the knowledge about the issue of the foundation engineering, the concrete, brick, metal and wooden constructions, the building interior installation, the building physics, the building failures and the redevelopment of these failures. The graduate also acquires the knowledge about currently implemented BIM. After passing in the field of study, the graduate finds out application in the design practice, in the construction of buildings and in the field of capital construction.

Graduate's knowledge

After passing the Bachelor’s degree in the field of study Civil Engineering - Building and Industrial Constructions, the graduate acquires the knowledge for the design of buildings, as well as the knowledge for their realization. The graduate also acquires the knowledge about the issue of the foundation engineering, the concrete, brick, metal and wooden constructions, the building interior installation, the building physics, the building failures and the redevelopment of these failures. The graduate also acquires the knowledge about currently implemented BIM (Building Information Modelling).

Graduate's skills

After passing the Bachelor’s degree in the field of study Civil Engineering - Building and Industrial Constructions, the graduate acquires the skills in designing building constructions. The graduate also acquires the skills related to the design of foundation structures of buildings, the concrete, brick, metal and wooden constructions, the building interior installation, the building physics. The graduate also acquires the skills in solving building failures and redevelopment of these failures. The graduate also acquires the skills related to the practical application of BIM (Building Information Modelling)

Graduate's general competence

After passing the Bachelor’s degree in the field of study Civil Engineering - Building and Industrial Constructions, the graduate will be able to work as a designer in the engineer’s office for the processing of civil engineering projects. The graduate will also be able to work in the construction company for the realization of building constructions and in the field of capital construction as an investor's representative.
The graduate will be able to obtain the authorization degree in the field of "Building Construction" when meeting the requirements for practice.
The graduate will be prepared for the Master Study at the Faculty of Civil Engineering of VŠB-Technical University of Ostrava or at other Faculties of Civil Engineering in the Czech Republic and abroad.