VSB TECHNICAL UNIVERSITY OF OSTRAVA | FACULTY OF CIVIL ENGINEERING

Civil Engineering - Building and Industry Construction

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Faculty	Faculty of Civil Engineering
Type of study	Follow-up Master
Language of instruction	English
Code of the programme	N0732A260014
Regular period of the study	1,5 year
Cost	50,000 CZK per semester
Coordinating department	Department of Building Constructions
Coordinator	doc. Ing. Marek Jašek, Ph.D.
Keywords	residential buildings, building structures, civil amenities construction, industrial buildings, agricultural buildings

About study programme

The master study programme Civil Engineering - Building and Industry Construction lasts 1.5 years. It is focused on designing and realization of building constructions (residential buildings, civic amenities buildings, industrial buildings and agricultural buildings). The graduate gains employment in the design organizations and in the construction of buildings. After obtaining the required experience, the graduate can get the authorization degree according to Act 360/1992 Coll. in the field of “Building Construction”.

Graduate's employment

After passing the Master’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).
After passing the Master’s degree in the field of study Building and Industrial Constructions, 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 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 Doctoral 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 aim of the Master Study is to prepare graduates for work in the field of civil engineering, for which they acquire professional theoretical and practical knowledge and skills within their studies. The graduate acquires the knowledge and skills in the design and realization of building constructions (residential buildings, civic amenities buildings, industrial buildings and agricultural buildings).

Graduate's knowledge

The field of study Civil Engineering - Building and Industrial Constructions is focused on designing and realization of residential buildings, civic amenities buildings, industrial buildings and agricultural buildings.
After passing the Master's degree in this field of study, 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).
After passing the Master's degree in the field of study Civil Engineering - Building and Industrial Constructions, 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 able to obtain the authorization degree in the field of "Building Construction" when meeting the requirements for practice.

Graduate's skills

The field of study Civil Engineering - Building and Industrial Constructions is focused on designing and realization of residential buildings, civic amenities buildings, industrial buildings and agricultural buildings.
After passing the Master's degree in this field of study, the graduate acquires the skills 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).
After passing the Master's degree in the field of study Civil Engineering - Building and Industrial Constructions, 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 able to obtain the authorization degree in the field of "Building Construction" when meeting the requirements for practice.

Graduate's general competence

After passing the Master’s degree in the field of study Civil Engineering - Building and Industrial Constructions, the graduate is able to continue in the Doctoral Study in the field of study Civil Engineering - Theory of Construction.
The graduate will be able to obtain the authorization degree in the field of "Building Construction" when meeting the requirements for practice.

Study curriculum

- form Full-time (en)