

# Study branch Municipal Engineering

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<b>Faculty</b>	Faculty of Civil Engineering
<b>Study programme</b>	Civil Engineering
<b>Type of study</b>	Bachelor
<b>Language of instruction</b>	English
<b>Code of the branch</b>	S04
<b>Title of the branch</b>	Municipal Engineering
<b>Regular period of the study</b>	4 years
<b>Cost</b>	50,000 CZK per semester
<b>Coordinating department</b>	Department of Urban Engineering
<b>Coordinator</b>	prof. Ing. Antonín Lokaj, Ph.D.
<b>Key words</b>	spatial planning, urbanism, technical infrastructure, building typology, urban regeneration

## About study programme

Urban Engineering specializes in public infrastructure, ie technical and transport infrastructure, public spaces and public amenities. Specialization provides students with a comprehensive set of knowledge about the theory of urban and urban construction, technical infrastructure and economic areas. Specialization includes focus on asset management and building operations.

## Hard skills

- Line constructions
- Design and management of concrete structures
- Design and management of engineering structures

## Graduate's employment

Graduates will find employment in institutions and companies dealing with investment, engineering and design activities, in the apparatus of state administration and local government at the regional level, municipalities and cities but also in all departments and papers dealing with investments in supply companies, especially in marketing and training and procurement of buildings, the property owners and organizations engaged in property management (real estate agencies, large industrial enterprises, medium and high management of administrative and commercial centers, hospitals, government agencies, etc.).

## Study aims

Bachelor's degree field "Municipal Engineering" is in the first two years focused on the subjects of theoretical basis - to the natural, social and economic sciences. Following two years (3rd and 4th) are aimed at teaching of professional disciplines with the oversize to the practice. At first there is the case of general construction and its focus on city planning and landuse planning, including the types of buildings for housing and civic facilities. A knowledge of the technical infrastructure of the city and knowledge of investors performance and engineering activities represents the other. At the same time the meeting with economic subjects, in particular the construction business management and budgeting, and building valuation is ensured. Bachelor study is completed by processing and defending the bachelor's work and exam.

## Graduate's knowledge

Field of Urban Engineering and Civil Engineering prepares students for careers in a wide range of knowledge from all disciplines of basic construction, but also with the knowledge and relations in the capital construction of complex files, including cities and in securing the investment process.

### **Graduate's skills**

Professional skills of graduates can be summarized into the following groups: the ability to participate in the preparation of investment projects, capital construction leadership, the ability to create investment project documentation, ability to handle a professional technical studies, the ability to create strategic and development documents.

### **Graduate's general competence**

personal management, planning and organizing work, motivating people, dealing with people, presentation, team work, information, analysis and problem solving, decision making, creative thinking, technical competence, computer competence, personal development

### **Study curriculum**

- form Full-time (en)