

The key professional knowledge of the graduate is the design of individual specializations of technical equipment of buildings - water supply of buildings, waste water disposal, heating, electrical installation. Graduates are also acquainted with other expertise in the field

of environmental engineering - assessing the energy performance of buildings, the acoustic environment inside and outside buildings, the effects of buildings on the environment (eg in terms of daylight and sunlight), which can be used in their work. Students will acquire basic professional knowledge also in the structures of building constructions (building constructions, concrete, steel and timber structures, statics of building constructions, foundation engineering), which will increase their choice in subsequent studies or in practice.

Graduate's skills

The graduate is able to elaborate a project from the mentioned areas, master the basic design, graphic and computational software, he has mastered the basic knowledge of building structures, materials and technologies, which he can use in his work. Education also includes support for the area of soft skills - creativity, autonomy, ability to solve problems and also general skills - computer competence. The complex of other vocational subjects included in the specialization of Building Constructions will enable students to create basic theoretical and practical bases for study in the follow-up master study program Civil Engineering - Building Environment or in other related master's programs of Civil Engineering (eg Building and Civil Engineering) or boarding into practice.

Graduate's general competence

The graduates of the study specialization of Building Environment within the bachelor study program Civil Engineering are able to use technical approaches based on generally accepted computational methods and procedures to solve problems, including standard and specialized software applications. They can acquire new expertise, skills and competences through their own creative activities. They will be able to independently perform complex activities within the above mentioned professional areas and to perform management functions at the level of middle-technical workers.

Study curriculum

- form Full-time (en)