

TŰZVÉDELMI MÉRNÖKI ALAPKÉPZÉSI SZAK
FIRE SAFETY ENGINEERING BACHELOR PROGRAMME
(BA)

The aim of the civil training is to acquire the knowledge establishing the higher education degree in fire safety engineering (design, authorisation) and required for the performance of fire protection expertise in the field of fire protection of buildings, firefighting tools, industrial fire protection and fire investigation. Another purpose is to provide a pre-qualification, which is required to obtain a fire protection certificate for designers and installers of built-in fire protection equipment (automatic fire alarm and fire extinguishers).

This is complemented by the preparation of students in higher education for technical planning, organization, analysis and evaluation tasks related to disaster management, civil protection, industrial safety and fire protection. In addition, students receive trainings in the fields of fire prevention, fire investigation, firefighting and operations management of the professional disaster management and they will also be able to perform technical engineering tasks in the fire protection specialties of the Municipal Fire Department, Industrial Fire Stations and Voluntary Fire Department.

Students who successfully complete the eight-semester bachelor course in Fire Safety Engineering can be employed in fire safety engineering positions, basically in the business sector and in the field of professional disaster management, if they meet the competence requirements. The course primarily develops the skills and competencies which are required to the engineering and technical tasks.

With the fire safety engineer degree, students get the highest degree in the fire protection design. With the degree, they will be able to perform the most complex fire protection installation and operation tasks and they can also be members of the Fire Protection Section of the Hungarian Chamber of Engineers.

Major subjects: Mathematics; Mechanics; Chemistry; Combustion and extinguish theory; Law and Administration of Fire Protection; Architectural design and construction; Building systems; Fire protection of building structures; Fire safety engineering methods; Fire protection of installation and operation; Fire diagnostics and reconstruction.

To apply for state-subsidized and self-funded full-time and part-time courses, an advanced final exam is required.