

FIRE SAFETY ENGINEERING MASTER PROGRAMME

The two-semester, state-supported and self-funded technical training course, organized by the Disaster Protection Institute of the Faculty of Law enforcement of the Ludovika University of Public Service, aims to provide high-level fire protection competencies based on the four-year basic fire safety engineering training.

The training course is unique in our country in providing master-level knowledge in the field of fire safety engineering, to which the teaching staff and infrastructure of the Budapest University of Technology and Economics participating in the training also contribute. Graduates receive a certificate in fire safety management engineering.

The master's program provides the opportunity to acquire complex fire protection knowledge that validates the design, construction and operation aspects of sustainable fire protection through managerial aspects. The training will be offered for the first time in 2026/2027. will start in the autumn semester of the 2019 academic year with the teaching of the 14 professional subjects included in the curriculum, which will be supplemented by professional practice, foreign language skills, diploma consultation and preparation, and freely chosen subjects.

According to the two-semester schedule of the master's program, in the first semester, the professional subjects will be taught by instructors from the Institute of Disaster Protection in the new Earl Ödön Széchenyi Training Center on the Ludovika Campus, while the second semester classes will be held by instructors from the Budapest University of Technology and Economics, as a collaborator in the training.

The professional subjects focus on performance-based fire safety design, fire protection research methodology, the application of digital design tools (BIM, PyroSim, Pathfinder), artificial intelligence, data analysis and pattern practice, fire protection of hazardous technologies, and fire safety engineering communication and visualization.

Students who successfully complete the master's degree in fire safety engineering can find employment as fire safety engineering managers, mainly in the business sector or in the fire protection authority field. The training primarily develops the skills and competencies that make the student capable of managing and organizing engineering technical tasks at a managerial level.

Those who have the necessary basic entrance qualification can apply for the state-supported and self-funded master's degree.

The Military Technical Doctoral School of the Ludovika University of Public Service provides graduates of the master's degree with the opportunity to continue their studies in doctoral training and obtain a PhD degree.