

# PLANET

BUDAPEST 2021

SUSTAINABILITY EXPO AND SUMMIT



INTRODUCING  
THE UNIVERSITY  
OF PUBLIC SERVICE



## INTRODUCTION:

The Ludovika – University of Public Service (UPS) was established in 2012 as the result of a merger between three separate higher education institutions. The legal predecessors were Zrínyi Miklós University of National Defence, the Police College, and the Faculty of Public Administration at Corvinus University of Budapest. In 2017, Ludovika - UPS also integrated the water science department of the Eötvös József College of Baja which now operates as the Faculty of Water Sciences. The university is constantly growing and evolving to respond to the changing needs of the education sector. For example, the establishment of a new faculty – the Faculty of Public Governance and International Studies – is lauded as an important institutional milestone for UPS.

As of today, Ludovika - UPS has four faculties: the Faculty of Military Science and Officer Training (FMSOT), the Faculty of Law Enforcement (FLE), the Faculty of Public Governance and International Studies (FPGIS), and the Faculty of Water Sciences (FWS). The university is also proud of its four doctoral schools and its dedicated research hub, the Eötvös József Research Centre.

The latter was established at the beginning of 2019 in order to maintain and develop high-level scientific work and discussion with the aim of becoming a leading source of knowledge in the region.

## OUR CAMPUS LOCATIONS:

The University of Public Service has a total of 4 campuses, 2 of which— Ludovika Campus and Miklós Zrínyi Barracks— are located in Budapest. **Ludovika Campus** is the home of the Faculty of Public Governance and International Studies as well as the Faculty of Law Enforcement. The Military Science and Officer Training takes place at 2 Campus locations, **Miklós Zrínyi Barracks** (which is not far from our Ludovika Campus) and another in the city of **Szolnok**, where we train our Air Force military officers. Approximately 150km outside of Budapest is our **Baja Campus**, where students of the Faculty of Water Sciences are currently being taught.

Located in the heart of Budapest, the **Ludovika Campus** has 26 hectares of green area and provides students with a great escape from the noise of the city. The campus itself is the perfect place for those who seek active recreation as it offers a wide choice of indoor and outdoor sport facilities including: a running track, a swimming pool, gyms, and an indoor shooting range. The park offers cultural programs and various leisure activities not only for students, but also for the public. Finally, the on-campus Orczy Dormitory offers approximately 600 spaces to students arriving to UPS from the countryside or from foreign countries. The **Zrínyi Barracks** — or the main campus of the Faculty of Military Science and Officer Training— boasts spectacular views from many of its classrooms as well as world-class seminar rooms and special language labs for its students. Additionally, a library of more than 500,000 books, numerous sport facilities, an on-campus restaurant, and a buffet are all at the disposal of our cadets and students.

**Baja Campus** — the educational building of the Faculty of Water Sciences is located on the banks of Sugovica— also revered as one of the most scenic regions of Baja. This spectacular branch of the Danube is where the university provides hands-on training in modern water management procedures. Our Faculty has two measuring stations, one in the Eastern Mecsek area and one in Érsekcsanád, which both serve as field-training facilities. The campus itself provides our students with modern technology and measuring instruments so that they may acquire practical knowledge outside of the skills they learn in the classroom. A dormitory is also available in this location, which offers convenient accommodation for students to use during their time in Baja.





**OUR FACULTIES:**

**The Faculty of Military Science and Officer Training (FMSOT)**

The Faculty of Military Sciences and Officer Training is the legal successor of Miklós Zrínyi National Defense University (which was established in 1996). Following a rich history of nearly 200 years, Hungarian officer training has continued at our Ludovika Campus since 1 January 2012. The Faculty educates professional military officers in the fields of infantry, armour, artillery, reconnaissance, maintenance, logistics, military engineering, signalling, nuclear chemical biological and air defence. Besides gaining the highest standard of professional education, students also learn about the traditions of Hungarian officer training and the commitment required to succeed in this profession,

enabling them to effectively deal with the greatest challenges of our decade. It is important to note that our University is the only institution that can educate military officers in Hungary as well as award BSc and MSc degrees in military sciences. Due to the special nature of these professions, education is tailored according to the needs of the Ministry of Defence and the National Defence Forces. However, our Faculty has also done an outstanding job in improving the quality of training according to common European standards on military education.

In addition to officer training, this Faculty carries out grandiose research projects, often in international consortium, and is responsible for educating civilian experts in the national and international defence spheres— particularly those in the fields of engineering and/or security policy. Graduates of these programs are guaranteed a job and many of them have gone on to establish international careers in notable international organisations such as NATO or the European Union.

Finally, the highest level of in-service further training is incorporated into the degree program of this Faculty. More specifically, graduates of the General Staff College regularly fill the highest positions in military services.

**The Faculty of Law Enforcement (FLE)**

The predecessor to the Faculty of Law Enforcement—the Police College of Hungary—was established in 1970, and since then it has remained the top organization for law enforcement education in Hungary. The Faculty of Law Enforcement (as part of the University of Public Service) is currently the only higher education organization in Hungary that is able to issue degrees required for the appointment of commissioned officers to law enforcement agencies.

The mission of the Faculty of Law Enforcement is to provide training for the future mid-level and high-level leaders of the Hungarian law enforcement agencies (such as the Hungarian National Police, the National Tax and Customs Office, the Prison Service of Hungary, the National Directorate-General for Alien Policing, and the Counter Terrorism Centre). The Faculty also has educational programs for civilians who would like to work in the private security sector, and special educational programs in the field of national security and disaster management.

The main fields of study and research at the Faculty are: criminal law, criminal procedure law, criminology, criminalistics, forensic sciences, criminal psychology, cybersecurity, criminal pedagogy, border policing, traffic policing, counter-terrorism, covert intelligence, law and economics of taxation, alien law, national security studies, disaster management, protection of facilities and persons, private investigation, and law enforcement leadership management. This Faculty is unique because it has the features of both a university school and a police academy. Students (who are law enforcement cadets under Hungarian law) have to attend theoretical classes, take exams and write papers just like any other UPS student. However, they also have to wear uniforms while present at the university, attend special training classes (shooting, officer safety, etc.), obey the formal rules governing the life of law enforcement officers in the field, pay respect to the traditions of the law enforcement community, and, in the first academic year, it is compulsory for them to reside in the dormitory on campus.





**The Faculty of Public Governance and International Studies (FPGIS)**

After several changes in its history and name, the Faculty of Public Governance and International Studies is now one of the four faculties of Ludovika-University of Public Service. The newly reformed Faculty provides a vibrant community designed to ensure that students at the undergraduate level acquire highly developed professional skills, while also learning the basics of political and legal sciences, and classical international relations and diplomacy from practitioners. Since its original founding in 1977, this Faculty has aimed to educate and train professional civil servants for a career at any level of state administration.

**Faculty of Water Sciences (FWS)**

The Faculty of Water Sciences is the youngest faculty of Ludovika - University of Public Service, opening its doors in Baja on 1 February 2017. Thanks to its predecessors, the Faculty has a rich heritage of over 50 years in higher education, and it is important to note that water science education in Baja has tremendous national significance and appreciation.

The Faculty provides modern technology and measuring instruments to its students so that they can acquire practical knowledge in the field of water science.

The water management of the future will fundamentally define the development, economic performance, food security, environmental status, and quality of life of not only Hungary, but also the rest of the world. The availability of water in adequate quantities and quality, and the protection from water damage, makes water management a strategic sector, with engineering and water diplomacy knowledge being among the most important educational pursuits of our time.

To support these values, the Faculty offers Bachelor and Masters programs throughout 5 different departments (the Department of Hydraulic Engineering, the Department of Water Supply and Sewerage, the Department of Regional Water Management, the Department of Water and Environmental Security, and the Department of Water and Environmental Policy). In the Civil Engineering and Environmental Engineering degree programmes of Ludovika-UPS, students are trained to answer the greatest environmental and social challenges of the 21<sup>st</sup> century, and are equipped to handle the looming problems of water shortage and water management.





### Bachelor Degree Programmes:

#### 1. Civil Engineering (BSc)

The purpose of the programme is to train engineers with appropriate foreign language knowledge and skills that will enable them to fulfill tasks related to construction, maintenance, operation, management, and professional administration. Graduates will be qualified to independently manage simple planning and research tasks, and cooperate in the execution of more complex projects.

- ◇ Specialisations:
  - Regional Water Management
  - Water Supply and Wastewater Treatment

#### 2. Environmental Engineering (BSc)

The aim of the programme is to train environmental engineers with up-to-date skills in ecology, technology, economics, and management, enabling them to be able to detect environmental risks in different areas and manage damage control activities

- ◇ Specialisations:
  - Water Treatment - Wastewater Treatment
  - Water Management

### Master Degree Programmes:

#### 1. MA in International Water Governance and Water Diplomacy

The two year MA program in International Water Governance and Water Diplomacy offers up-to-date, practice-oriented education for practicing and future water managers, diplomats, and national and international civil servants engaged in transboundary or global environmental issues. Based on a blend of natural and social sciences, extensive field training, and project-based team-work, the programme is aimed to enable students to master complex water policy challenges, decisions, and conflict situations.

### Further specialised trainings at the Faculty of Water Sciences:

- Engineer Specialisation In Flood And Drainage Control
- Water Management Engineer Specialisation In Nature Conservation
- Engineer Specialisation In Water Economy
- Engineer Specialisation In Hydrography
- Engineer Specialisation In Water Supply And Wastewater Treatment

In addition to the specialist training, the university provides several special colleges which serve as intellectual and social platforms to assist in the development of our most motivated and dedicated students. The Zsuffa István Special College of the Faculty of Water Sciences aims to provide students with a series of programmes, primarily in engineering, that help develop their knowledge outside of regular university classes. In addition to the classroom work, the college places great emphasis on active participation in professional conferences, forums, community and cultural programs as well as in the National Conference of Scientific Students' Associations. Members of the special college are continuously assisting and participating in other scientific events. To acquire and maintain the qualification of the special college, it is important for the students to contribute to the Researchers' Night or to be involved in the Youth Days organised by the Hungarian Hydrological Society (HHS). The special college also maintains a good relationship with numerous local organisations, including the Hajómalom Association of Baja and the Settlement Commission of Baja.

Due to the strategic role of water, the labour market demand for students that have graduated from our Faculty is continuously high. With the help of the wide range of professional contacts that we provide, our graduates are generally offered a job within a year of their graduation. In Hungary, the supply of professionals within the water sector is primarily provided by the Faculty of Water Sciences, thus the qualification obtained at the faculty guarantees employment in the water sector.





Furthermore, the main student organisation of the University of Public Service works to offer diverse and vibrant programmes throughout the academic year to bring together the students of our various faculties and institutions. The students' association is also involved in the organisation of numerous cultural and recreational events. Our university prides itself on providing numerous opportunities for students to participate in a wide range of scientific conferences, workshops, and other professional programs organized throughout the year by faculties, scientific students' associations, and special colleges.

The main objective of the Students' Union of the Faculty of Water Sciences is to represent the students' interests and promote overall student life at the university. The Students' Union works to solve arising problems and ensure that there is constant communication between the faculty and its students. The Union also cooperates in scholarship distribution and participates in the organisation of cultural events.

In order to truly understand the importance of training and educating the next generation on sustainability and green policies, we cannot ignore the fact that the potent megatrends of our era, such as demographic change, urbanisation, and climate change, create new pressures on how countries manage water domestically and in their foreign relations. Scientific consensus suggests that the current water crisis is a crisis of governance. The root of the problem, therefore, lies not necessarily in the limited availability of water, but rather in how laws, policy, and financial decisions on water are made, implemented, and followed up on by our government and society. Such challenges surface with even greater force in interstate context where the action, or inaction, of a country may give rise to disproportionate negative impacts on the water resources available to others. Consequently, the knowledge of how to prevent, manage, and resolve water conflicts at the domestic and international level will be a critical asset for the prosperity and stability of any nation in the 21<sup>st</sup> century. Therefore, the University of Public Service aims to educate its students in line with these core values. The Faculty of Water Sciences of the University of Public Service takes great pride in its professors— many of whom are internationally known and recognised for the tremendous work and research they have been doing in the field.

#### Just to name a few:



**Dr Gábor Baranyai** — a former Ambassador to Brussels — is currently a professor at the Faculty of International Water Governance. However, before his time at UPS, Mr Baranyai served as the Chair of the Budapest Water Summit Organizing Committee at the 2013 Budapest Water Summit.



#### Dr András Szöllősi-Nagy

is also one of the Faculty's professors. Mr Szöllősi-Nagy was the President of the International Program and Drafting Committee at the 2019 Water World Summit.



And last, but not least, it is also important to mention that **Dr Aaron Wolf**, the Director of Water Conflict Management Program at Oregon State University, is one of the Faculty's guest professor. Mr Wolf acquired his Master's Degree in Water Resource Management and his Ph.D. in Environmental and Political Analysis. His research focuses on cross-border political conflicts and cooperations related to water resources.



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