

# Evolution of the Aeronautics and Aerospace Studies at TUKE in the past 15 years

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## Abstract:

The paper presents the evolution and trends in the Bachelor, Master and Ph.D. studies in aeronautics and aerospace engineering at the Technical University of Košice, Faculty of Aeronautics, looking at the last 15 years.

The Faculty of Aviation of the Technical University in Košice (TUKE) was established on February 1, 2005, as the ninth faculty of the Technical University in Košice. Its establishment was the result of a long-term transformation of military higher aeronautics education in the Slovak Republic and was associated with efforts to preserve long and rich traditions of flying and higher education of aviation professionals in Košice dating back to 1959 (The former Czechoslovakia). Its graduates were profiled as pilots of aircraft / helicopters and experts in the fields of aviation management, aeronautics engineering and electrotechnics.

As part of accredited study programs, it offers higher education for aviation professionals in all three levels of education - bachelor's, engineering and doctoral, while respecting the requirements of national and European aviation legislation. University education and scientific research and development is performed in the basic areas of aviation - air traffic control and security, aerospace engineering and safety and operation of aircraft. It prepares experts for the needs of civil and military aviation for the positions of professional pilots, air traffic controllers, aircraft technicians for the maintenance of aircraft systems, engines and avionics systems and aviation managers for civil and military aviation. TUKE holds a certificate from the Transport Authority of the Slovak Republic on professional competence for the training of pilots, and aviation technical personnel in accordance with the requirements of EU EASA/ICAO aviation legislation. TUKE offers its students the opportunity to study at prestigious foreign universities within the ERASMUS program. TUKE is an associated partner of the PEGASUS consortium and a member of the Ulysses European University (Universidad de Sevilla in Spain, Università di Genova in Italy, Université Côte d'Azur in France, HAAGA-HELIA UNIVERSITY OF APPLIED SCIENCES in Finland, MCI The Entrepreneurial School in Austria, Technical University of Košice in the Slovak Republic).

We have reached 10.290 graduates of aviation education in Košice, during 62 years of training of aviation professionals operating in 27 countries.

The scientific and pedagogical staff of the Faculty of Aeronautics of the Technical University in Košice work within the structure of five scientific and pedagogical workplaces with a specialized focus on individual areas of aviation issues: Department of Avionics, Department of Aeronautical Engineering, Department of Flight Training, Department of Aeronautical Engineering, Department of Air Traffic Management.

The following figure presents the trend of the number of students admitted to study, the number of students who enrolled in the 1st year of study and the total number of students who enrolled in the relevant academic year, in the period 2005-2020.

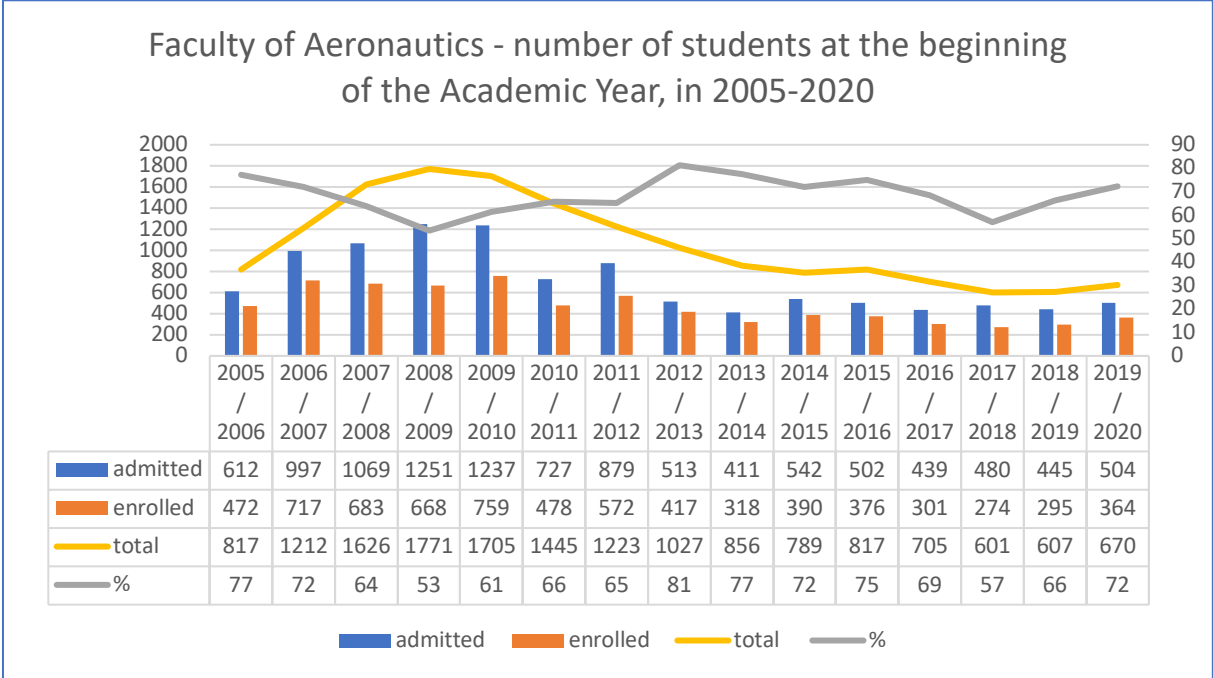


Fig. 1 Trend of the number of students admitted to study

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