

Kyiv National University of Technologies  
and Design Department of Computer  
Engineering and Electromechanics  
Nemyrovycha-Danchenka Street 2  
01011 Kyiv  
Ukraine

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Contact person/phone ext.  
doc. Medved/3555

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### Review of the study program “Electromechanics” at Kyiv National University of Technologies and Design

Our Department of Electric Power Engineering at the Technical University of Kosice (TUKE) cooperates with the Department of Computer Engineering and Electromechanics at Kyiv National University of Technologies and Design (KNUTD) on the basis of a joint Ukrainian-Slovak R&D project “Energy management improvement of hybrid photovoltaic systems of local objects with storage batteries”. We are also interested in the peculiarities of the study programs at KNUTD, in particular, the study program “Electromechanics” (person responsible for the study program: prof. Iryna Shvedchikova).

The study program “Electrical Power Engineering” at TUKE is the closest to the study program “Electromechanics” at KNUTD. The graduates of both bachelor's degree programs in electrical engineering must know the natural sciences, followed by knowledge of theoretical electrical engineering, as well as professional subjects focused on electrical engineering, electrical machinery, lighting engineering, electrical materials, classical electrical power sources, and renewable electrical power sources. The graduates must be able to describe the processes occurring in the electrical engineering and power industry during the production, modification, transformation, transportation, accumulation, distribution, and consumption of various types of energy based on the use of fossil fuels, and renewable energy sources. At the same time, the length of study is 3 years in TUKE.

The strengths of the study program “Electromechanics”: program length, and credit hours are appropriate for the Bachelor's degree; the orientation program is evaluated regularly; program goals and objectives are consistent with the university's mission; classroom and laboratory space are provided adequately.

The study program “Electromechanics” can be evaluated positively. We hope for further cooperation not only in the scientific but in the educational spheres.



prof. Ing. Roman Cimbala, PhD.  
Head of the Department of Electrical Power Engineering  
Technical University in Kosice

