

REVIEW

of the educational and professional program
"Electric power engineering, electrical engineering and electromechanics"
on second level of higher education (Master level)
in the classification field 141
"Electrical energetics, electrical engineering and electromechanics"

This review is based on the document

EDUCATIONAL AND VOCATIONAL TRAINING PROGRAM IN HIGHER EDUCATION
«*Electric Power Engineering, Electrical Engineering and Electromechanics*» (20pp. / 2022).

Due to the providing institution (Dnipro University of Technology), the program aims at ensuring high qualification, competitiveness, integration into the European and global educational space, digital and creative competences, the ability to solve complex specialized tasks and practical problems of electric power, electrical engineering and electromechanics, which involves the application of theories and methods of physics and engineering.

The program document describes the subject area, orientation, focus and features of the program, content, conditions and technologies for the implementation of the educational process, and provision of resources.

The overall design and structure of the program consists of a total of 90 ECTS to be achieved during a regular period of 1 year and 4 months (fulltime equivalent). This reflects and is inline also with general international (European) standards for similar Master programs, also with respect to workload per semester or term. With the assumed entry prerequisite for the program in form of a Bachelor degree consisting of 210 ECTS, the achieved total of 300 ECTS at the end of the Master program is as well in line with European standards.

In case the program is implemented in two languages - Ukrainian and English, it allows students to widely use the acquired competences and opportunities within the framework of academic mobility to partner universities and the completion of internships, studying, practice, summer schools at foreign institutions of higher education. Such an institution is, in particular, Reutlingen University of Applied Sciences, Germany, which actively cooperates with Dnipro University of Technology on academic mobility programs. Every year, engineering students of Dnipro University of Technology receive an invitation from Reutlingen University for studying special subjects, working on joint research projects in the field of Mechatronics, including e.g. electrical drives, robotics, control engineering, renewable energy and many other areas.

The educational and vocational program is composed as a whole consistently and logically. It defines general and special competencies and learning outcomes that are derived from educational components. The educational components of the curriculum listed in the program document reflect the directions and scope of application relevant to the field of electric power engineering may also provide a suitable base for conducting research.

Some of the staff members well-known to us, correspond perfectly with modules of the program, which is an important factor in ensuring high quality of study.

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