

REVIEW

On the Educational and Professional Program “Quality, Standardization, and Certification” of the Second (Master’s) Level of Higher Education in Specialty G6 “Information and Measurement Technologies” of the Ukrainian State University of Railway Transport

The reviewed educational and professional program “Quality, Standardization, and Certification” has been developed in accordance with the requirements of the Law of Ukraine “On Higher Education” and the Higher Education Standard for Specialty 175 “Information and Measurement Technologies.” It is oriented towards modern trends in the industry, meets the current demands of the labor market, and considers international requirements for the training of specialists in quality assurance, standardization, and certification.

The program clearly defines its goals for student preparation, includes descriptions of competencies, learning outcomes, resource provisions, as well as provisions on teaching, assessment, and academic mobility. Its content encompasses the essential components for developing integral, general, and professional competencies in students. The curriculum of the program follows a logical sequence, incorporating general and specialized courses, industrial and research practices, as well as the final certification of graduates.

The content of the courses is designed to address modern challenges in quality management, standardization, and certification. Importantly, it opens wider perspective ensuring interdisciplinary training. The structure of the program is logical and transparent, promoting high-quality preparation of specialists for work in industries, information and measurement technologies, and related fields.

Particularly valuable is the program’s practical orientation, supported by industrial practices at enterprises and by the involvement of industry experts in the educational process. Additionally, the modern resource support, such as laboratory facilities, access to professional literature, and specialized software, enhances the efficiency of training.

Graduates of the program will acquire sufficient knowledge and skills to be competitive in the demanding labor market, focused on European integration. They will be able to solve relevant tasks in quality management and certification effectively, to use modern information and measurement technologies, and to organize standardization and certification processes.

Overall, the educational and professional program “Quality, Standardization, and Certification” demonstrates a high level of compliance with contemporary standards for the training of master’s students in Specialty 175 “Information and Measurement Technologies.” Its implementation will contribute to the development of highly qualified specialists capable of professional growth and effective work in various economic sectors. I highly recommend the program for use in the educational process of the Ukrainian State University of Railway Transport for the training of master level students in the specified specialty.

Rucki

Casimir Pulaski Radom University
Faculty of Mechanical Engineering

Prof. Dr. Habil. Eng. Mirosław Rucki