

# 浙大宁波理工学院

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**The evaluation report  
to the educational, and scientific program  
“Energy Engineering” for the Ph.D. program  
on specialty 142 “Power Engineering”  
at Odesa National University of Technology**

The educational and scientific program “Energy Engineering” of the third level of higher education in the specialty 142 “Energy Engineering” (branch 14 “Electrical engineering”) was developed by the working group of the Department of Cryogenic Engineering and the Department of Refrigeration and air conditioning of the Odesa National University of Technology V.S. Martynovsky Institute of Refrigeration, Cryotechnologies and Ecoenergetics and provides for the training of doctors of philosophy in power engineering, the need for which is currently felt in Ukraine.

The team of departments develops scientific solutions that meet world standards in the field and demonstrates the ability to train highly qualified doctors of philosophy who will be able to carry out scientific and innovative activities successfully. This educational program provides the acquisition of necessary competencies, knowledge, and skills, thereby confirming the potential for higher education seekers to achieve the program’s primary goal.

The educational program contains prerequisites for access to education, the orientation and main focus of the program, the amount of 45 ECTS credits required for obtaining the educational level of Doctor of Philosophy, a list of general educational and professional competencies, normative and variable content of specialist training, formulated in terms of learning outcomes and requirements for quality control of higher education, which meets the registration requirements established by the Ministry of Education and Culture of Ukraine.

There is sufficient material, technical, and personnel support for the implementation of the educational program. The educational program contains a list and scope of normative and optional disciplines. The structural and logical scheme of training of doctors of philosophy in specialty 142 “Energy Engineering” is presented. Requirements for teaching and assessment are given, and the attestation form is determined.

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The catalog of selective disciplines is compiled reasonably, with the possibility of considering the educational, scientific interests, and practical needs of applicants who are preparing for various graduation departments. This educational program's competencies and predicted learning outcomes meet modern requirements for highly qualified scientific personnel training. The educational and scientific program presented for feedback provides the applicant with a full-fledged acquisition of theoretical knowledge, abilities, skills, and other competencies sufficient for solving complex problems in the field of professional and research-innovative activities, mastering the methodology of scientific and pedagogical activities, conducting own scientific research and defense dissertations on power engineering.

After analyzing the educational and scientific program, it can be concluded that the educational program "Energy Engineering" meets the requirements for the training of specialists of the third (educational and scientific) level of higher education in the relevant specialty and can be applied in the educational process.

Sincerely,



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