



REVIEW-FEEDBACK

on the educational and scientific program "Environmental safety (hydrochemistry and agroecology)" of the third (educational and scientific) level of higher education, specialty 102 "Chemistry", prepared for accreditation by the department of analytical and bioinorganic chemistry and water quality of the National University of Environmental Sciences of Ukraine

The training of scientific workers and qualified teaching staff in the system of higher chemical and environmental education is an urgent task for solving many environmental, social and economic problems. Environmental safety in modern society is gaining particular importance for the creation of a "green" economy, and for movement in this direction, the limiting factor for Ukraine is the limitation of the availability of active scientific potential and qualified pedagogical personnel for the training of specialists in the system of higher professional environmental education.

Educational program for the preparation of students of higher education of the third (educational and scientific) level of higher education in the specialty "Chemistry" profile "Environmental safety (hydrochemistry and agroecology)" contains the amount of ECTS credits necessary for obtaining the corresponding degree of higher education; list of graduate competencies; the normative content of the training of higher education seekers, formulated in terms of learning outcomes; attestation forms of higher education applicants; requirements for the existence of a system of internal quality assurance of higher education.

The educational-scientific program "Environmental safety (hydrochemistry and agroecology)" defines program competences that arise from the types and tasks of activities in the field of chemistry in general and environmental safety in particular. They are divided into integral, general and professional competencies, most relevant for the proposed program. As for professional competencies, they are of a practical nature, related to the requirements of hydrochemistry and agroecology, and can be most effectively used in the professional activities of future specialists in this direction.

The structure of the ESP "Ecological safety (hydrochemistry and agroecology)" consistently covers the disciplines of educational and scientific training, which form the necessary list of professional competencies provided for

by the educational and scientific training of doctors of philosophy. Disciplines that are included in the cycles of professional training and disciplines of free choice are aimed at topical and strategic aspects of ecology, ecological safety, environmental protection, balanced nature use and meet the demands of stakeholders and the interests of education seekers. ONP provides important modern criteria, necessary and suitable for employment and further education and career growth of graduates.

The scientific component of the educational-scientific program involves carrying out one's own scientific research under the guidance of one or two academic supervisors with the corresponding presentation of the obtained results in the form of a dissertation. This component of the program is not measured by ECTS credits, but is drawn up separately in the form of an individual plan of the graduate student's scientific work and is a component of the curriculum. A feature of the scientific component of the educational-scientific program for training doctors of philosophy in the specialty 102 - Chemistry (Environmental Safety) is that graduate students will be able to perform individual components of their own scientific research during practical training sessions.

It should also be noted that the program shows its adaptation not only to modern environmental problems of Ukraine on the conservation and use of water resources, but also to regional ones aimed at environmental safety, primarily in the agrarian sector of the economy

Thus, I believe that the educational and scientific program for the preparation of doctors of philosophy in the specialty 102 - Chemistry, profile "Environmental safety (hydrochemistry and agroecology)" of the third level presented for review can only be evaluated positively and supported, because it is sufficient for the qualitative implementation of the educational process, which provides an opportunity for doctors of philosophy to work in the positions of scientific and scientific-pedagogical workers in the future, in state bodies managing nature protection activities, etc. It also meets the requests and requirements of potential employers in both public and private structures of Ukraine.

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