

The educational program (EP) for training students of higher education of the third (educational and scientific) level of higher education in the specialty "Chemistry" 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.

Developed by the project team:

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7. Melnykovich Vasyl Stepanovych, vice-president of the International Agricultural Cluster "Dniester"
8. Zalenska Elizaveta Andriivna, PhD student of the Department of Analytical and Bioinorganic Chemistry and Water Quality

Reviews of external stakeholders (if available):

1. Slobodanyk Mykola Semenovich, Head of the Department of Inorganic Chemistry of Taras Shevchenko Kyiv National University, Doctor of Chemical Sciences, Professor, Corresponding Member of the National Academy of Sciences of Ukraine.
2. Liliya Osypivna Dubenska, Head of the Department of Analytical Chemistry, Candidate of Chemical Science, Associate Professor;
Kalychak Yaroslav Mykhailovych, Doctor of Chemical Sciences, professor of the Department of Analytical Chemistry Lviv Ivan Franko National University.
3. Myshkova-Klymenko Nataliya Arkadiievna, deputy director of the Institute of Colloid Chemistry and Water Chemistry named after A.V. Dumansky NASU.
4. Tsyganok Lyudmila Vasylivna, President of the public union "Professional Association of Ecologists of Ukraine".
5. Mohnyk Vadim Andriyovych, Director of the International Agrocluster "Dniester".
6. Yuri Gendel, Professor of the Department of Environmental, Water and Agricultural Engineering at the Israel Technion Institute of Technology.

The educational program for training specialists of the third (educational and scientific) level of higher education in the specialty 102 "Chemistry" was developed in accordance with the Law of Ukraine "On Higher Education" dated 07.01.2014, Resolution of the Cabinet of Ministers of Ukraine dated 23.11.2011 "On approval of the National framework of qualifications" dated 12/30/2015 No. 1187, "On the approval of the Licensing conditions for conducting educational activities of educational institutions" dated 12/30/2015, methodological recommendations

"Development of educational programs. Methodological recommendations" (2014), of the draft standard of higher education.

1 – General information	
Full name of the higher educational institution and structural unit	National University of Life and Environmental sciences of Ukraine Agrobiological faculty
The degree of higher education and the title of the qualification in the original language	PhD in Chemistry
The official name of the educational program	Chemistry
Type of diploma and scope of the educational program	PhD in Chemistry, 40 ECTS credits , training period – 4 years
Availability of accreditation	primary
Cycle/level	NQF Ukraine - 8 Level, FQ>-EHEA – third cycle, EQF-LLL - 8 Level
Prerequisites	Admission conditions are determined by the "Rules of admission to the National University of Life and Environmental sciences of Ukraine", approved by the Academic Council. Possession of a master's degree (educational and qualification level of a specialist) in the specialty "Chemistry", "Ecology", "Biotechnologies and bioengineering", "Chemical technologies and engineering", "Environmental protection technologies", "Technology of production and processing of livestock products", " Earth Sciences", "Metrology and information and measurement technology", "Food technologies", "Horticulture and viticulture", "Aquatic bioresources and aquaculture", "Veterinary hygiene, sanitation and expertise","Protection and quarantine of plants", "Civil security".
Language(s) of instruction	Ukrainian
The term of validity of the educational program	4 роки
Internet address of the permanent placement of the description of the educational program	aspirantura@nubip.edu.ua
2. The purpose of the educational and professional program	
The purpose of the educational and professional program is the formation of the future scientist and scientific-pedagogical worker in the field of chemistry the ability to conduct scientific research and obtain new and/or practically oriented results, as well as the preparation and defense of qualifying scientific work	
3. Characteristics of the educational program	
Subject area (field of knowledge, specialty, specialization (if available))	Field of knowledge 10 Natural sciences Specialty 102 Chemistry

Orientation of the educational program	Educational-scientific
The main focus of the educational program and specialization	The third (educational-scientific) level of higher education according to the Law of Ukraine "On Higher Education", the eighth qualification level of the National Qualifications Framework.