

**REVIEW**  
**on the educational and professional program "Computer Science"**  
**in the field of knowledge F "Information Technologies" in the specialty**  
**F3 "Computer Science"**  
**of the first (bachelor's) level of higher education**

The educational and professional bachelor's program in the specialty F3 "Computer Science" in the field of knowledge F "Information Technologies", developed by the Private Higher Educational Institution "Bukovynian University", is distinguished by a clear practical orientation and a modern vision of the organization of the educational process. Its concept is based on a combination of fundamental theoretical training with applied aspects of training, which allows graduates to be competitive in the labor market and ready to solve current problems in the field of computer science.

The content of the program covers a wide range of disciplines that correspond to modern trends in the development of information technologies, in particular data analysis, artificial intelligence, computer networks, information security, software engineering and modeling of complex systems. Such a set of educational components ensures the formation of the ability of applicants to comprehensively approach the solution of problems of various levels of complexity, including interdisciplinary problems that require the integration of knowledge from related disciplines.

The goal of the program is to train highly qualified, competent, and competitive specialists who are able to combine a deep theoretical base with the skills of practical application of knowledge in the field of computer science. Graduates must possess modern information technologies, be able to apply them to develop applied software solutions, research and implement innovations in various areas of the economy and social life.

Special emphasis is placed on the development of systems thinking and practical skills in working with modern information technology tools. Students are given the opportunity to master data analysis methods, apply machine learning algorithms and neural networks, use modern programming languages, and participate in project activities. This contributes to the formation of competencies necessary for both applied tasks and research work.

The program is aimed not only at students' mastery of basic knowledge, but also at developing their ability to be creative, critical think, and make decisions independently in difficult conditions. An important learning outcome is also the formation of readiness for continuous self-education, professional growth, and adaptation to the rapid development of digital technologies. This allows graduates to flexibly respond to changes in the labor market and actively integrate into the international professional environment.

In conclusion, the reviewed bachelor's educational and professional program of 2025 is relevant, qualitatively structured and meets modern requirements for training specialists in computer science. Its content and organizational and methodological support indicate a comprehensive and professional approach of the developers. The program can be recommended for implementation in the educational process of the Private Higher Educational Institution "Bukovynian University" as one that ensures the formation of a new generation of specialists for the field of information technologies.

Reviewer:

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