

## **EDUCATIONAL AND PROFESSIONAL PROGRAM DESCRIPTION**

### **Branch of knowledge 12 – Information technologies**

#### **Specialty 121 - Software engineering**

#### **Educational program - Software engineering (first (bachelor) level of higher education)**

Educational qualification "Bachelor of software engineering"

**Availability of accreditation** Ministry of Education and Science of Ukraine

Certificate of accreditation: ND series No. 2292112

The certificate is valid until July 1, 2025.

The educational program is aimed at the formation of students of the first (bachelor) level of higher education in the specialty 121 "Software Engineering" the ability to solve complex specialized tasks and practical problems of software engineering, characterized by the complexity and uncertainty of conditions, with the application of theories and methods of information technologies.

The purpose of the educational program is to train specialists who are able to set and solve problems related to the development, maintenance and quality assurance of software. Tasks of the educational program:

- a specialist personality formation in software development and testing, as well as providing theoretical knowledge and practical abilities and skills sufficient for the successful performance of professional duties in the specialty "Software Engineering", capable of further training in the chosen specialty;
- training of specialists who have modern methods of creating and maintaining software for various purposes;
- formation of the ability to solve typical specialized tasks in professional activity and/or in the process of further education;
- practical skills acquisition in the application of software engineering methods;
- competencies formation for the software projects management and working in teams of programmers;
- formation of the ability to communicate in English both orally and in writing.