

# **DESCRIPTION OF THE EDUCATIONAL AND PROFESSIONAL PROGRAM**

**Field of knowledge 13 - MECHANICAL ENGINEERING**

**Specialty 135 - Shipbuilding**

**Educational program - Shipbuilding**

(second (master's) level of higher education)

**Educational qualification "Master of Shipbuilding"**

**Form of study:** full-time/extramural

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

**Certificate of accreditation** of the educational program: series UD № 15009007

**Certificate is valid** until July 01, 2025.

The educational and professional program (EPP) "Shipbuilding" was developed on the basis of the Standard of Higher Education of Ukraine for the second (master's) level of higher education in the field of knowledge 13 "Mechanical Engineering", specialty 135 "Shipbuilding" (Order of the Ministry of Education and Science of Ukraine, 10.07.2019, No. 963). The EPP defines the prerequisites for access to training, the orientation and main focus of the program, the amount of ECTS credits required to obtain a master's degree, a list of general and special (professional) competencies, mandatory (normative) and variable content of specialist training, formulated in terms of terms, learning outcomes and requirements for quality control of higher education.

The educational program is aimed at forming in applicants for the second (master's) level of higher education the competencies necessary to solve complex problems and problems of professional activity in the field of shipbuilding (at all stages of design, construction, repair and renovation of various types of ships, offshore floating structures (FPS) and technical means of ocean exploration), which requires updating and integrating knowledge, often in conditions of incomplete/insufficient information and conflicting requirements.

## **Objectives of the educational program:**

- formation of scientific systemic thinking about the course of development and problems associated with all stages of design, construction, repair, renovation, operation and maintenance of various types of ships, offshore floating structures and technical means of ocean exploration;

- formation of professional competencies aimed at employment of graduates in positions related to research, design, construction, technology, repair, renovation, operation and maintenance of ships, ship hull structures and offshore floating structures, ship power plants and their equipment, ship power and automation systems, ship machinery, mechanisms and equipment, system engineering of marine infrastructure facilities;

- formation of competencies for personal responsibility for the learning process; aptitude for further self-development and self-improvement, including during professional activities, in order to deepen the acquired and acquire new professional knowledge.