EDUCATIONAL AND PROFESSIONAL PROGRAM DESCRIPTION

Branch of knowledge 12 – Information technologies

Specialty 122 – Computer Science

Educational program - Information management systems and technologies (second (master's) level of higher education)

Educational qualification "Master of Computer Science"

Form of education: full-time/part-time

Availability of accreditation.   National Agency for Quality Assurance of Higher Education

Accreditation certificate: No. 6131

The certificate is valid until November 21, 2024.

The educational and professional program determines the prerequisites for access to training, the orientation and main focus of the program, the amount of ECTS credits required for obtaining an educational and professional master's degree, the list of general and special (professional) competencies, the normative and variable content of specialist training, formulated in terms of learning outcomes, and requirements for quality control of higher education.

Goals of the educational program:

- formation of scientific system thinking for designing information systems;

- acquisition of practical skills regarding the ability to analyze the properties of the design object, justify the choice of technical and software tools, perform design work and develop application software using modern ICT at all stages of development;

- professional competencies formation for the development of information system software projects using modern models, methods, algorithms, systems and technologies of artificial intelligence, as well as for the ability to build enterprise architecture taking into account the features of business architecture, information architecture, application systems, technological architecture for unification and synchronization of functional and business needs of the organization with the capabilities of information technologies in conditions of increased complexity, incomplete / insufficient information and conflicting requirements;

- formation of competence for the ability to use modern methodologies and means of automating the development of software for information systems;

- achievement of a high level of English language proficiency, including special terminology, for professional activities.