

Ministry of Education and Science of the Republic of Kazakhstan
L.N. Gumilyov Eurasian National University
Faculty of Information Technology
Department of «Computer science»

«I approve»
Dean of the Faculty
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« » 20



GRADUATE MODEL

Master's programs in the educational program
7M01511– Computer Science

Nur-Sultan, 2021

Requirements for the level of education of graduates

The graduate model is a system of qualities of a graduate, the result of his activity. Thus, the graduate model is:

- a set of key characteristics of the graduate, which the applicant aspires to acquire;
- the universal image of a university graduate in the eyes of an employer;
- the image of the graduate as a brand of the university.

An ENU graduate is a person who has successfully completed the full course of the 7M01511– Computer Science educational program and has mastered the necessary professional competencies, such as:

- The ability to put the latest achievements in the field of pedagogical activity into practice, to expand and deepen their knowledge in the field of scientific research;

- Ability to possess modern pedagogical technologies and teaching methods, teaching skills in the context of digitalization of education, effectively perform managerial functions based on theoretical knowledge and practical skills, experience, individual qualities, to strive to achieve goals and solve problems, to master methods for solving non-standard problems and new ways to solve traditional problems, to have skills in using ICT tools in professional activities and forecasting research results in teaching disciplines;

- The ability to have skills in implementing ICT trends in education, managing large-scale data in the network, the ability to apply machine learning methods, cyberpedagogics, information security in high-speed networks, the ability to understand the importance of the Internet of things in education and Autonomous and social robots;

- The ability to master distance learning technologies, modern educational technologies for building the content of IT courses, online platforms in education, modern multimedia tools and technologies in distance learning, the ability to design dynamic objects in the development of digital publications;

- The ability to apply modern ICT in research, to master the theoretical and practical basics of methods for applying distributed network technologies, remote information and software resources, to apply new innovative technologies in research results in the field of digitalization and education.

All the necessary qualification requirements according to the domestic standards of higher and postgraduate education, as well as taking into account the Dublin descriptors, are synthesized in 7 qualities of the university graduate model.

The competencies acquired in the process of mastering the educational program are prescribed in section 2 of the Passport of educational programs "Map/ profile of competencies".

Considered at the meeting of the Department, Protocol No. 10 of 01.05.2021

Head of the department
Computer Science



Serik M.