

№		
1	Type of educational program	Acting EP
2	The group of the educational program	B057 Information technologies
3	Name of the Educational program	6B06103 Computer Systems and Software Engineering
4	License to conduct educational activities with indication of the number, date, month and year	License no. KZ80LAA00018161 dated 05.05.2020
5	The level of the NQF	Bachelor's Degree, Level 6
6	Accreditation of the educational program	Independent agency for accreditation and rating 05.04.2024-04.04.2029
7	The pass grade on admission	70
8	Combinations of vocation-related subjects of the UNT	Mathematics + Computer Science
9	Length of apprenticeship: - after school - after college - after higher education	3 years 2 years 2 years
10	A prerequisite for obtaining a diploma	Completion of at least 240 ECTS credits
11	The language of instruction	Kaz/Rus/Eng

12	Academic year	3 trimesters (10 weeks per trimester)
13	Degree awarded	Bachelor of Science and Technology
14	Academic mobility	There is
15	Learning outcomes	<p>ON-1. Know social, humanitarian, historical, ecological, and economic sciences, and be able to apply them in professional activities.</p> <p>ON-2. Know the basics of physical-mathematical sciences, mathematical and computer modeling, and be able to apply this knowledge in solving engineering and technical problems.</p> <p>ON-3. Know the basics of operating systems, be able to create programs for solving engineering and technical tasks, apply innovative ICT, and develop system software.</p> <p>ON-4. Know methods for database development and database protection systems, be able to develop databases, expert systems, and artificial intelligence systems.</p> <p>ON-5. Know the basics of computer network design, be able to design computer networks and network protection systems, and configure network equipment.</p> <p>ON-6. Know methods for developing web applications and graphical applications, be able to design and develop web applications, and implement information protection systems in web applications.</p> <p>ON-7. Know the basics of electronics and circuit engineering, be able to design electronic circuits and devices, and program electronic devices.</p> <p>ON-8. Know methods for developing mobile applications, games, and computer graphics, be able to develop software applications for mobile devices.</p>