| № | | |
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| 1 | Type of educational program | New EP |
| 2 | The group of the educational program | B057 Information technologies |
| 3 | Name of the Educational program | 6B06104 Artificial intelligence and data analysis |
| 4 | License to conduct educational activities with<br>indication of the number, date, month and<br>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 | |
| 7 | The pass grade on admission | 70 |
| 8 | Combinations of vocation-related subjects of<br>the UNT | Mathematics + Computer Science |
| 9 | Length of apprenticeship:<br>- after school<br>- after college<br>- after higher education | <br>3 years<br>2 years<br>2 years |
| 10 | A prerequisite for obtaining a diploma | It is necessary to master at least 240 credits (ECTS) |
| 11 | The language of instruction | Kaz/rus/eng. |
| 12 | | 3 trimesters (10 weeks each trimester |

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| | Academic year | |
| 13 | Academic mobility | Lublin University of Technology (Poland) pollub.pl<br>Bialystok Technical University (Poland) pb.edu.pl<br>Kyrgyz State Technical University named after I. Razzakov (Kyrgyzstan) kstu.kg<br>Tashkent University of Information Technologies (Uzbekistan) tuit.uz<br>Ural Federal University (Russia) urfu.ru |
| 14 | Degree awarded | Bachelor of Science and Technology |
| 15 | Learning outcomes | ON1. Know research methods and academic writing, and apply them in the studied field.<br>ON2. Apply knowledge and understanding of facts, phenomena, theories, and complex dependencies in the studied field.<br>ON3. Master a wide range of lexical and grammatical structures for communication, understand social, legal, and ethical norms, and apply them in professional activity.<br>ON4. Master the methodology and techniques of economic planning, personnel management, investment activities, and ensuring production and safety rules.<br>ON5. Apply mathematical, numerical, high-performance computing, decision-making methods, and modeling for various processes.<br>ON6. Master physical processes of computer systems and apply architectural solutions when designing information systems and their components.<br>ON7. Apply innovative ICT, software products, algorithms, and information security methods in professional activities.<br>ON8. Master programming tools, environments, and modern technologies, develop software and functional components for information systems.<br>ON9. Conduct design, setup, testing, and maintenance of computer networks, ensuring their security.<br>ON10. Implement AI systems, design and develop ergonomic user interfaces, and manage projects.<br>ON11. Conduct experimental operation of AI systems and their integration, develop systems for collecting, storing, analyzing, and managing data using Big Data, Data Mining, and cloud computing technologies. |