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| Educational program | 6B07502 Standardization, certification and metrology (by branches) |
| EP purpose | Training of highly qualified bachelors in standardization, certification and metrology with a competitive level of knowledge and skills, as well as professional and personal competencies sufficient for successful activities at enterprises in Kazakhstan and abroad. |
| EP type | New |
| Level on NQF | 6 |
| Level on SQF | 6 |
| The awarded academic degree | bachelor |
| Period of study | 4 |
| Volume of the credits | 240 |
| Language of education | Kazakh, Russian |
| Date of approval of the OP at the Board meeting | 10.04.2024 |
| Professional standard | Standardization 01.09.2023 |

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| № | Learning outcomes: |
| 1 | To carry out certification of quality systems and production facilities, to apply in practice regulatory documents on accreditation and licensing |
| 2 | Plan and conduct tests; process and analyze the test results obtained; make decisions about the quality of products based on the test results; have the ability to identify and detect falsification of products and services |
| 3 | Have the ability to evaluate and apply research methods and innovative approaches to understanding socially significant social phenomena and processes in legal, economic, entrepreneurial, industrial, environmental, cultural environments and anti-corruption policy. |
| 4 | Organize production and technological control in the food industry, including identification, commodity evaluation, quality control and safety of raw materials and finished products. |
| 5 | Apply basic knowledge in the field of natural sciences and engineering disciplines in professional activities |
| 6 | Evaluate current standards and other documents on standardization, certification and metrology, analyze international and regional standards, as well as regulatory documents in the field of accreditation, state control and audit |
| 7 | To analyze the main provisions of the state certification system of the Republic of Kazakhstan, schemes and systems of conformity assessment, conditions for the implementation of conformity assessment, rules and procedures for conformity assessment |
| 8 | Organize a self-assessment of the quality management system of enterprises; identify inconsistencies when checking the quality management system |
| 9 | Develop draft standards, methodological and regulatory materials, technical documentation; implement developed projects and programs; monitor compliance with established requirements, applicable norms, rules and standards |
| 10 | Possess the basics of metrology and measuring equipment, apply regulatory and methodological documents of the measurement uniformity system, apply the skills of organizing work on verification, calibration of measuring instruments, certification of measurement methods and test equipment, ensuring the required accuracy and quality of measurements |
| 11 | Use the main regulatory documents regulating the quality of products, works and services; analyze standards; conduct an expert assessment of the quality and technical level of products and services |
| 12 | Monitor and supervise compliance with the rules of certification and quality of certified products, justify the choice of a range of quality indicators and methods for assessing the quality level of products, services, processes and management systems |