

In accordance with the academic calendar for the 2025–2026 academic year and the curriculum, industrial practice is organized for the educational programs 6B06120 – “Information Systems”, 6B06140 – “Mathematical and Computer Modeling”, and 6B06121 – “Artificial Intelligence Technologies” of the Department of Information Systems and Modeling.

The main objective of industrial practice is to consolidate and develop the theoretical knowledge acquired by students in higher education institutions under real production conditions, based on a comprehensive study of the activities of the organization, institution, or enterprise where the practice takes place. This process enables students to develop the skills and experience necessary for professional activity, as well as to improve their ability to make professional decisions.

According to the State Compulsory Education Standard of the Republic of Kazakhstan, several types of practice are предусмотрены: academic (educational) practice, industrial practice I–II, and diploma or pre-diploma practice.

In the 2025–2026 academic year, academic practice is conducted at the Department of Information Systems and Modeling for a duration of one week. The practice period is from June 1, 2026 to June 5, 2026. The main purpose of academic practice is to familiarize students with the structure of educational programs implemented by the university, the content of the educational process, the work of the university’s structural divisions, as well as the main professional tasks and types of activities related to their specialty. The figure shows a fragment from the defense of the academic practice conducted at the department.



Production practice I is conducted by students of the 2nd year during 4 weeks. During internship, students of operating systems, computer structure, information system architecture, software elements and other specializations related subject practical skills in The photo shows a fragment of the internship of students of the 2nd year at this educational institution:



In this photo, our students completed their internship at the National Bureau of Statistics of the Agency for Strategic Planning and Reform of the Republic of Kazakhstan, located in Shymkent.



Our second-year students of the specialty 6B06121 "Information Systems" came to the Turkistan Regional Office of Digitization, State Services and Archives to exchange experience and gain valuable knowledge.



6B06121 — "Artificial Intelligence Technologies " Course of production practice in the institution located in Turkestan region, — State institution "Turkestan regional department of digitization, public services and archives".



Students of the 2nd year of the specialty 6B06140 "Mathematical and computer modeling" passed the first practical training at JSC "Centre of theoretical and applied mathematics" of the University named after M. Auezova in Shymkent.

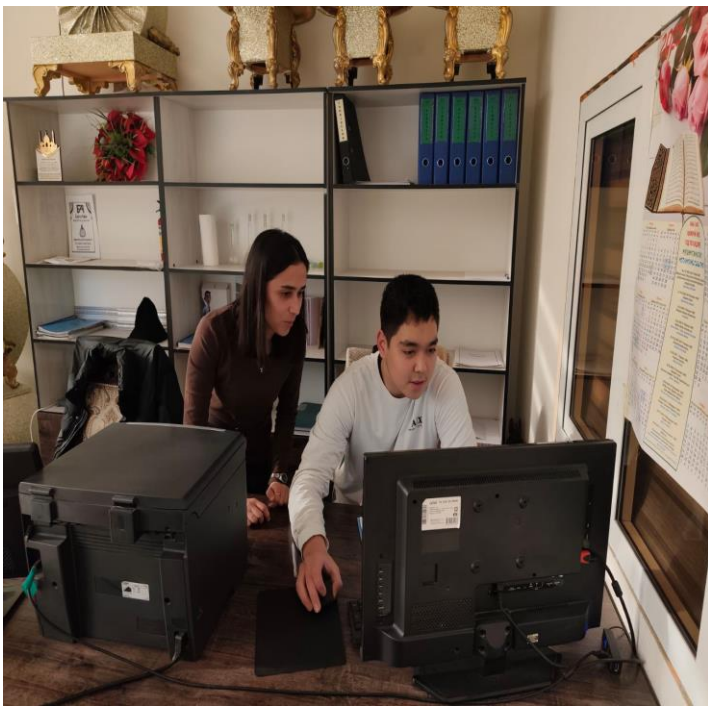
Production practice II. Students of the 3rd year have undergone production practice II from 12.01.2026 to 20.02.2026. During this practice, students improved their practical skills in the process of designing, implementing and operating information systems, and also got acquainted with real examples of production processes.



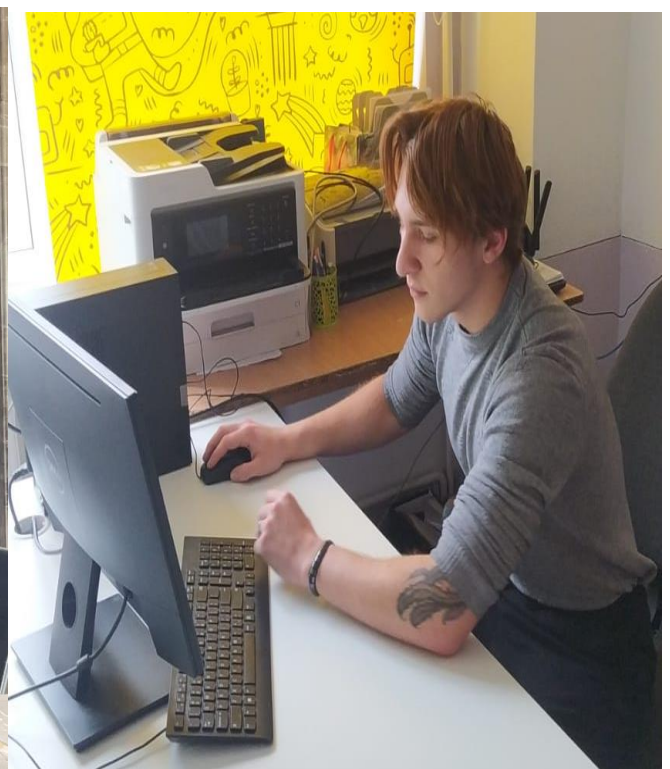
This image shows third-year students undergoing Industrial Practice II at LLP “Digital Road” in the branch of “Shymkent Hub” located in the city of Shymkent.



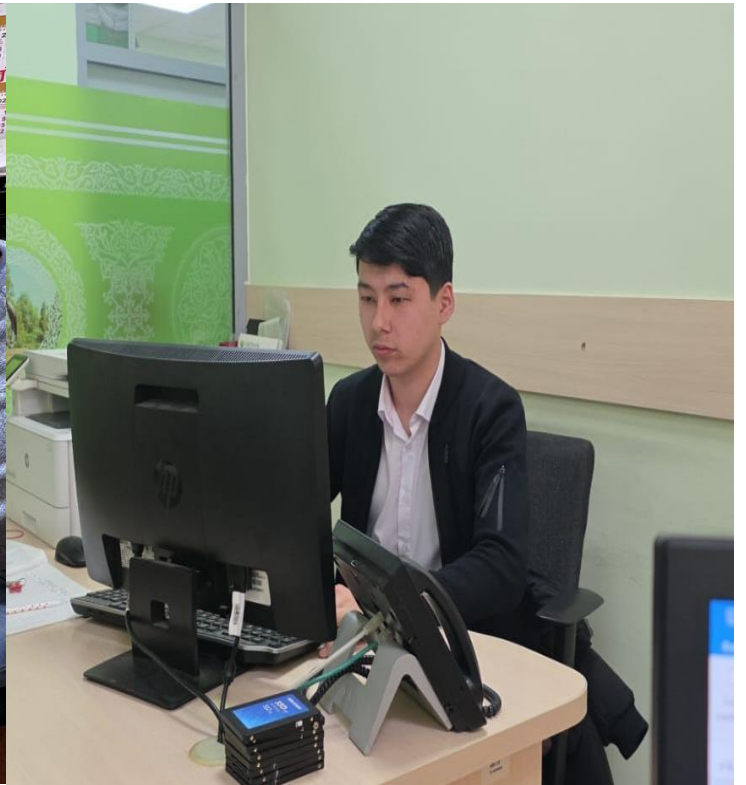
The photo shows the institution "KazMBS" LLP



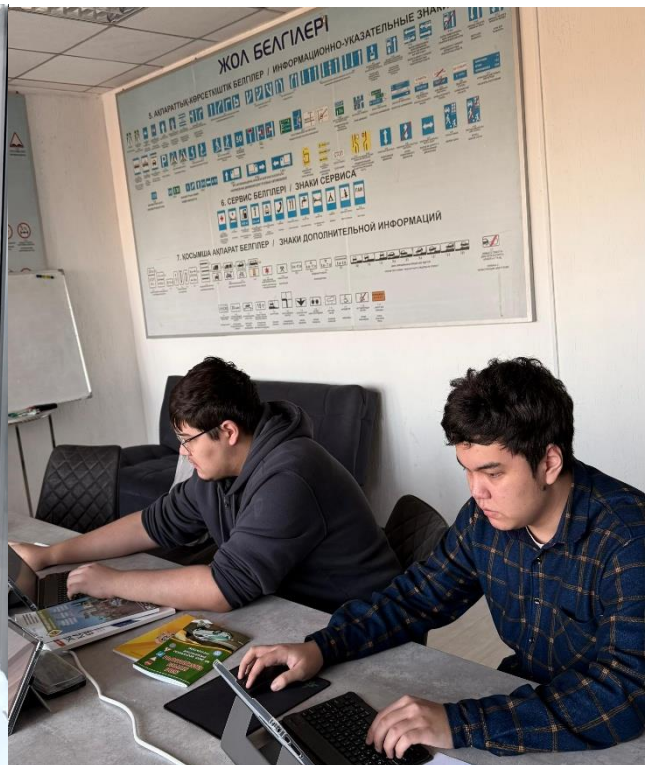
The photo shows students of the 3rd year, undergoing production practice II at the company "Nur-Com-Tel".



In the 2025-2026 academic year, students of the 4th year will undergo practical training in institutions approved by the order from 16.03.2026 to 10.05.2026. Highly qualified specialists from the teaching staff of the department - professors, associate professors and senior teachers - will be appointed as managers of the organization and control of practice.



Internships allow you to meet professionals in your area. They can become your advisors or mentors who will help you in the future and share information about vacancies.



In addition, the department is constantly expanding its production bases for internships and organizes events aimed at improving the professional training of students, establishing cooperation with modern enterprises, institutions and organizations. During the internship, students feel professional responsibility at specific stages of production processes and have the opportunity to apply their knowledge and skills in practice, which contributes to their success in future professional activities.



During the internship, the student not only acquires knowledge related to the profession, but also develops personal qualities:

- Responsibility: feels responsibility for his work, performing specific tasks.
- Work in a team: learn to communicate with colleagues who have different characters and corporate culture.
- Problem solving: gets used to making decisions in unforeseen situations that arise during work.