

**«Mukhamedzhan Tynyshpayev ALT University» JSC**

**Department of Construction engineering**

**APPROVED**  
**Chairman of the AC ALT University**  
**S. Amirgaliyeva**

**Decision of the Academic Council of ALT University**  
**dated " 30 " 05 2024 (protocol No. 9)**

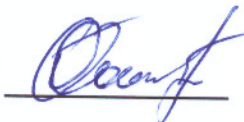
**ADMISSION EXAM PROGRAM  
(INTERVIEW) FOR APPLYING TO  
POST-GRADUATE EDUCATION PROGRAMS**

Educational program  
7M07345- Transport construction, profile direction

**Almaty, 2024**

Admission exam (interview) program discussed and received a positive decision at a meeting of the department "Construction engineering", protocol No. 8 dated April 17, 2024.

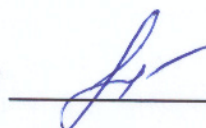
**Head of the department  
"Construction engineering"**



**Kulmanov K.S.**

The admission exam (interview) program was reviewed and recommended at a meeting of the Council of the Institute "Transport engineering", protocol No. 8 dated April 26, 2024.

**Chairman of the CI "Transport engineering"**



**Abdreshov S.A.**

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## **1. The purpose of the entrance exam for a group of educational programs**

Admission of foreign citizens to study in to JSC "ALT University named after Mukhamedzhan Tynyshpayev on paid basis is carried out based on the results of an interview conducted by the admissions committee during the calendar year.

Goals entrance exam (interview) for the Educational 7M07345- Transport construction, is the definition of theoretical and practical preparedness of an applicant for a master's degree, level of compliance with knowledge, skills and skills to the requirements of master's studies in the field of preparation.

## **2. Regulations for conducting an entrance exam (interview) for a master's program in a group of educational programs**

The duration of the entrance exam (interview) is 30 minutes, during which the applicant is interviewed and answers questions from a commission approved by the President-Rector, consisting of 3 members.

At the applicant's choice, entrance The exam (interview) is taken in Kazakh, Russian or English.

Persons who did not appear at the entrance exam (interview) for a valid reason (illness or other circumstances, confirmed by documents), are allowed to participate on other days in accordance with the approved interview schedule.

The interview is conducted in person/remotely with the mandatory use of video communication. The video recording is stored in the archive for no more than three years.

During the interview process, to clarify the knowledge of the candidate/applicant, additional questions may be asked both on the content of the interview question and on any sections of the subject within the program.

The interview protocols are submitted to the executive secretary of the admissions committee immediately after the completion of the interview.

All controversial issues related to the interview are resolved in accordance with the established legislative procedure of the Republic of Kazakhstan.

## **3. Interview assessment criteria**

The interview procedure is documented in a protocol of the established form, in the form according to Appendix No. in which are fixed questions to incoming and interview results.

Evaluation of candidates/applicants is carried out according to the system adopted by the University according to Table 1. Passing the point is the commission's decision on the sufficient level of candidates/applicants for further training master's degree Each interview decision is signed by the committee members.

Protocol interviews enrolled in the university is kept in their personal files.

**Table 1 – Interview assessment criteria**

<b>Criteria</b>	<b>Descriptors</b>	<b>Level</b>
<b>Motivation</b>	Argumentation of motives for doctoral studies in the chosen EP and admission to a specific university. Vision of prospects for professional and personal growth upon completion of training	sufficient/not sufficient
<b>Research competence</b>	Possession of the research skills and experience necessary for research activities in a specific subject area	sufficient/not sufficient
<b>Creativity</b>	Non-standard thinking, creative and alternative approaches to solving problems and situational tasks	sufficient/not sufficient
<b>Communication skills</b>	The ability to briefly, representatively, logically, and reasonably express one's point of view, make generalizations and conclusions. Language skills	sufficient/not sufficient
<b>Commission decision</b>		<b>sufficient/not sufficient</b>

#### **4. Interview questions**

1. What are the main types of transport facilities you know? Describe their differences.
2. What are geotechnical surveys and what role do they play in transport construction?
3. What methods and technologies are used in the construction of bridges and tunnels?
4. Tell us about the processes of designing and building railway tracks.
5. What materials and technologies are used in the construction of highways?
6. Explain what is the stability and durability of transport structures.
7. What factors should be taken into account when planning the construction of transport facilities?
8. Tell us about the methods and technologies for strengthening and stabilizing soils.
9. What are the main safety requirements for construction work at transport facilities?
10. What regulatory documents and standards regulate the construction of transport facilities?
11. How does transport construction affect the environment and what measures are being taken to minimize this impact?

12. Tell us about the measures that are being taken to ensure sustainable development in transport construction.

13. What are the main tasks facing specialists in the maintenance and operation of transport facilities?

14. Describe the main types of repairs of transport structures and their differences.

15. What methods and technologies are used to diagnose the condition of transport facilities?

## **5. Recommended literature**

### **5.1 Basic literature**

1. Railway track. Ashpiz E.S. et al., Moscow: Transport, 2015.

2. Rules and technology for performing basic work with the current maintenance of the track. JSC NC "KTZ" Astana 2019

3. NTD "Rules for the construction and maintenance of artificial structures on railway transport of the Republic of Kazakhstan". 2015 No. 1288. Khasenov S.S., Kvashnin M.Ya., Abiev B.A., Bondar I.S. 677c. (kaz., rus)

4. G.M. Borovik. Textbook 1. Maintenance of highways, V.A. Tretyakov, Moscow: Transport, 2016

5. Technical operation of highways, A.A. Gordeev, Moscow: Transport, 2018

### **5.2 Additional literature**

1. Road safety during repair work, S.V. Orlov, Moscow: Transport, 2018, -292 pages

2. Maintenance and repair of the railway track: Textbook for technical schools Tikhomirov V.I., M: Transport, 1987.

3. SP RK 3.03-112-2013 . Bridges and pipes. KazNIISA JSC , AZDI LLP. 2013. 355c.

4. Rules of technical operation of railway transport. 30.04.2015. №544.