

«Mukhamedzhan Tynyshpayev ALT University» JSC

Department of Logistics and Transport Management

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

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  
7M07160- Transport facilities, 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.

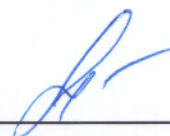
**Head of the department  
“Construction engineering”**



**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.**

## CONTENT

		page
1	The purpose of the entrance exam for a group of educational programs	4
2	Regulations for conducting an entrance exam (interview) for a master's program in a group of educational programs	4
3	Interview assessment criteria	4
4	Interview questions	5
5	Recommended reading	6
5.1	Main literature	6
5.2	Additional literature	6
	Annex 1	8



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

Admission of for 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 program 7M07160-Transport facilities, 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 tasks facing specialists in the maintenance and operation of highways?
2. Describe the main types of highway repairs and their differences.
3. What methods and technologies are used to diagnose the condition of the road surface?
4. How are the work carried out to eliminate defects and damages on the road surface?
5. What materials and technologies are used to strengthen the roadway?
6. What are the main safety requirements for repair and maintenance work on highways?
7. What factors should be taken into account when planning the schedule of repair work on the highway?
8. Explain the processes and technologies of patching the pavement.
9. How is the quality control of the repair work performed on highways carried out?
10. What modern innovations and technologies are used in the field of maintenance and operation of highways?
11. What are the main methods of preventive maintenance of highways?
12. Tell us about the measures that are being taken to prevent the formation of ruts and cracks on the road surface.
13. What technologies are used for winter maintenance of highways?

14. How is drainage and drainage management carried out on highways?
15. Describe the process of cleaning and caring for road signs and markings.

## **5. Recommended literature**

### **5.1 Basic literature**

1. Maintenance of highways, V.A. Tretyakov, Moscow: Transport, 2016
2. Technical operation of highways, A.A. Gordeev, Moscow:Transport., 2018
3. Repair and maintenance of highways, V.I. Bazhenov, A.N. Kolesnikov, Moscow: Transport, 2015
4. Operation and maintenance of highways, . N. Fedorenko, P.V. Lomov,M: Transport, 2017
5. Management of the maintenance of highways, I.V. Ivanov, Academy,2019-336 pages
6. Technologies of maintenance and repair of highways, - A.I. Kuznetsov, M: Transport,2020-420str

### **5.2 Additional literature**

1. Road safety during repair work, S.V. Orlov,Moscow:Transport,2018,-292 pages
- 2.Monitoring the condition of highways, N.A. Petukhov,Transport, 2019, 358 p.T, 2021.