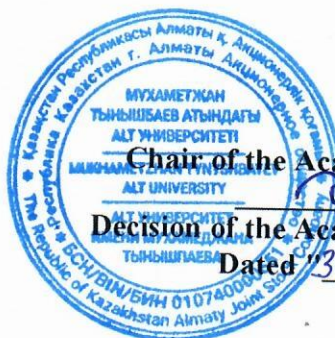


JSC "ALT University named after Mukhametzhan Tynyshpaev"



APPROVED

Chair of the Academic Council of "ALT University"

M. Zharmagambetova

Decision of the Academic Council of "ALT University"

Dated "30" "05" 2025 (Protocol No. 10)

Interview program for applicants to specialized master's programs

Educational Program: 7M07166 Energy systems and energy management

Almaty, 2025

The entrance exam program was discussed and approved at the meeting of the "Energy" Department, Protocol No. 8 dated April 16, 2025.

Head of the "Energy" Department  A. Yegzekova

The entrance exam program was reviewed and recommended at the meeting of the "Institute of Energy and Digital Technologies" Council, Protocol No. 5 dated April 25, 2025.

Chair of the "EDT" Institute Council  A. Toigozhinova

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1. Objective of the interview

Admission to the Master's program in the educational program "7M07166 Energy systems and energy management" at JSC "ALT University named after Mukhamedzhan Tynyshpayev" on a paid basis is carried out based on the results of the interview. Persons with at least 5 years of experience in a managerial position in the profile of the educational program in the state or civil service, or at least 10 years of professional experience in the profile of the educational program are allowed to participate in the interview.

The interview is conducted in order to assess the level of theoretical and practical training, professional competencies and motivation of the applicant to study in the Master's program.

2. Interview procedure

The interview for applicants to the Master's program in the educational program is conducted for 30 minutes. During this period, the applicant answers questions from the Admissions Committee approved by the President-Rector of the University.

At the applicant's choice, the interview can be conducted in Kazakh, Russian or English. The interview is conducted in person or remotely with the obligatory use of video communication. The video recording is stored in the university archive for up to three years.

Candidates may be asked additional questions related to both the content of the interview and other sections related to the program profile.

Applicants who do not appear for an interview for a valid reason (illness or other documented circumstances) are allowed to undergo an interview on another day according to the approved schedule.

Interview protocols are transferred to the responsible secretary of the Admissions Committee immediately after the completion of the procedure. All controversial issues related to the interview are considered in accordance with the legislation of the Republic of Kazakhstan.

3. Interview Assessment Criteria

The interview is conducted on the basis of an approved protocol of the established form, which records the questions asked and the applicant's answers, as well as the final assessment.

Candidates are assessed according to the University's internal system based on a number of criteria reflecting the level of training, professional experience and motivation of the applicant. The final decision of the commission is made collectively and is drawn up in the form of a protocol signed by all members of the commission.

The passing score is not set in numerical terms - the decision of the commission determines whether the candidate meets the requirements for studying in the master's program.

The interview protocols of the admitted applicants are saved in their personal files.

Table 1 – Interview Assessment Criteria

Criteria	Descriptors	Level
Motivation	Justification for choosing the master's program and university; vision of professional and personal growth	Sufficient / Insufficient

Research Competence	Possession of research skills and experience relevant to the field	Sufficient / Insufficient
Creativity	Original thinking, creative and alternative approaches to problem-solving	Sufficient / Insufficient
Communication Skills	Ability to express opinions clearly and logically; ability to draw conclusions	Sufficient / Insufficient
Final decision of the committee		Sufficient / Insufficient

4. Interview Questions

1. Why did you choose this particular educational program?
2. What are your academic and career goals?
3. Why did you choose our university?
4. How will our university and this program help you achieve your goals?
5. What can you contribute to our university if you are admitted?
6. Why did you choose this research topic? Is it relevant?
7. Do you think your research will be effective? What results do you expect?
8. What benefits can the university gain from research on your topic? Why is it important?
9. Do you have experience publishing in international peer-reviewed journals?
10. What current research areas in electric power engineering are you familiar with?

5. Recommended Literature

5.1 Main Literature

1. Lykhin L.V. Electrical Systems and Networks. Textbook for secondary vocational education, 2019. – 362 pages.
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9. Vazhova V.F., Lavrinovich V.A. High Voltage Technology: Textbook. – Moscow: INFRA-M, 2018. – 262 pages.
10. Kireeva E.A., Tsyruk S.A. Relay Protection and Automation of Electric Power Systems: Textbook. 5th edition. – Moscow: Academia, 2016. – 287 pages.

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16. Ovsyannikov A.G., Borisov R.K. Electromagnetic Compatibility in Power Engineering: Textbook. – Novosibirsk: NSTU Publishing, 2017. – 196 pages.
17. Volkov N.G. Power Quality in Power Supply Systems. – Tomsk: Tomsk Polytechnic University, 2010. – 152 pages.
18. Klimova G.N. Power Systems and Networks. Energy Saving: Textbook for Universities. 2nd edition. – Moscow: Yurayt Publishing, 2020. – 179 pages.

5.2 Additional Literature

1. Idelchik V.I. Electrical Systems and Networks: Textbook for Universities. – Moscow: Energoatomizdat, 1989. – 592 pages, illustrated.
2. Stermann L.S., Lavygin V.M., Tishin S.G. Thermal and Nuclear Power Plants: Textbook for Universities. – Moscow: MEI Publishing.
3. Afonin V.V., Nabatov K.A. Electric Power Stations and Substations: Study Guide in 2 Parts. Part 2. – Tambov: Tambov State Technical University, 2017. – 98 pages.
4. Kopylov I.P. Electrical Machines in 2 Volumes. Volume 1: Textbook for Academic Bachelor's Degree. – Lyubertsy: Yurayt, 2016. – 267 pages.
5. Kopylov I.P. Electrical Machines in 2 Volumes. Volume 2: Textbook for Academic Bachelor's Degree. – Lyubertsy: Yurayt, 2016. – 407 pages.
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7. Bogatenkov I.M., Bocharov Yu.N., Gumerova N.I., Imanov G.M., edited by G.S. Kuchinsky. High Voltage Engineering. – St. Petersburg: Energoatomizdat, 2003. – 608 pages.
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