

JSC «Mukhametzhan Tynyshbayev ALT University»

Department of «Energy»

**Questions for citizens entering
doctoral studies in group of educational programs
«D099 – Energy and electrical engineering»**



APPROVE

Chairman of the ALT University

M. Zharmagambetova

Decision of the Academic Council of


ALT University

10 2025 year (protocol № 10)

Interview questions

1. Why did you decide to pursue a PhD in electrical power engineering?
2. What are your long-term career goals after receiving your PhD?
3. Why did you choose our university/research group to enroll in?
4. What specific scientific problems in modern electrical power engineering concern you the most and why?
5. How do you see the contribution of your future research to the development of electrical power engineering?
6. What can you, for your part, give to our educational institution if you are admitted?
7. Describe your research (or significant project). What were the key objectives, methods, results and your personal contribution?
8. What were the main challenges you encountered during your previous research/project and how did you overcome them?
9. What modeling, data analysis or experimental techniques did you use in your previous work (e.g. MATLAB/Simulink, PowerFactory/DIGSILENT, Python, EMTP-RV, laboratory benches)?
10. Do you have experience publishing scientific articles, presenting at conferences? If yes, please tell us about it. If no, how do you plan to develop these skills?
11. Describe your experience of working with scientific literature. How do you search for relevant publications and critically evaluate them?
12. Describe your preliminary vision of the topic of your doctoral research. What are the key goals and hypotheses?
13. How do you see the scientific novelty of your proposed research?
14. What, in your opinion, are the most critical challenges facing the modern electric power industry (at the level of the UPS, distribution networks, energy markets, etc.)?
15. What are your most important strengths for successful completion of your PhD? What areas would you like to improve during your studies?

Interview questions was discussed and received a positive decision at the meeting of the Department of «Energy», Protocol №8 of April 16, 2025.

Head of the Department of «Energy»  **A. Egzekova**

Interview questions was reviewed and recommended at the meeting of the Council of the Institute «Energy and Digital Technologies», Protocol № 5 of April 25, 2025.

Chairman of CI «EDT»  **A. Toygozhinova**