Institute of Energy and mechanical named after A. Burkitbayev
Department of Power Engineering

THE EDUCATIONAL PROGRAM

8D07112 Electrical power engineering

Code and classification of the field of education:	8D07 Engineering, manufacturing and construction industries
Code and classification of training directions:	8D071 Engineering and Engineering affairs
Group of educational programs:	D099 Energy and electrical engineering
Level based on NQF:	8
Level based on SQF:	8
Study period:	3 year
Amount of credits:	180

Almaty 2026

The Educational Program 8D07112 Electrical power engineering was approved at the meeting of the Management Board of Satbayev University
Minutes No. 5 dated March 10, 2026

Reviewed and recommended for approval at the meeting of the Educational and Academic Council of K.I. Satbayev Kazakh National Research Technical University
Minutes No. 8 dated February 26, 2026

Reviewed and recommended for approval at the meeting of the Educational and Methodological Council of K.I. Satbayev Kazakh National Research Technical University
Minutes No. 3 dated December 25, 2025

The Educational Program 8D07112 Electrical power engineering was reviewed and developed at the meeting of the Academic Committee.
Minutes No. 2 dated November 06, 2026

4. Passport of educational program

4.1. General information

№	Field name	Comments
1	Code and classification of the field of education	8D07 Engineering, manufacturing and construction industries
2	Code and classification of training directions	8D071 Engineering and Engineering affairs
3	Educational program group	D099 Energy and electrical engineering
4	Educational program name	8D07112 Electrical power engineering
5	Short description of educational program	The educational program for training a Doctor of Philosophy (PhD) has a scientific and pedagogical focus and involves fundamental educational, methodological and research training and in-depth study of disciplines in the relevant areas of science for the system of higher and postgraduate education and the scientific sphere. The content of the educational program of specialized doctoral studies is established by the University independently. The main criterion for the completion of the educational process for training Doctors of Philosophy (PhD) (doctor in the profile) is the mastering by the doctoral student of at least 180 academic credits, including all types of educational and scientific activities. The duration of study in doctoral studies is determined by the volume of academic credits mastered.
6	Purpose of EP	To train Doctors of Philosophy (PhD) for scientific, experimental research and academic activities in the fields of electric power engineering, intelligent energy systems, digital technologies, artificial intelligence, big data analytics, and the management of technological and technical systems.
7	Type of EP	New
8	The level based on NQF	8
9	The level based on SQF	8
10	Distinctive features of EP	No
11	Education form	Full-time
12	Period of training	3 years
13	Amount of credits	180
14	Languages of instruction	Russian
15	Academic degree awarded	Doctor of Philosophy PhD
16	Developer(s) and authors	Sarsenbaev E.A., Khidolda E.