Institute of Automation and Information Technologies
Department of Automation and Control

THE EDUCATIONAL PROGRAM
8D07101 Automation and Robotization

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:
D100 Automation and management
Level based on NQF: **8**
Level based on SQF: **8**
Study period: **3 years**
Amount of credits: **180 credits**

Almaty 2026

The Educational Program 8D07101 Automation and Robotization was approved at the meeting of the Management Board of Satbayev University
Minutes No. 5 dated «10» Martch, *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 «26» February, *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 «25» December, *2025*.

The Educational Program 8D07101 Automation and Robotization was reviewed and developed at the meeting of the Academic Committee
Minutes No. 5 dated «2» December, *2025*.

Passport of educational program

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	D100 Automation and management
4	Educational program name	8D07101 Automation and robotization
5	Short description of educational program	The educational program 8D07101 Automation and Robotization of Doctor of Philosophy training has a scientific and pedagogical focus and involves fundamental educational, methodological and research training and in-depth study of disciplines in the areas of automation and robotics for the postgraduate education system and the research sector.
6	Purpose of EP	The preparation of highly qualified scientific and pedagogical personnel, proficient in modern methods of automation, robotics, and intelligent management, capable of developing innovative solutions, conducting world-class scientific research, and contributing to the sustainable development of society through the integration of science, technology, and education.
7	Type of EP	New EP
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 credits
14	Languages of instruction	Kazakh, Russian
15	Academic degree awarded	Doctor of Philosophy (PhD)
16	Developer(s) and authors	Sarsenbayev N.S., Manatov K. A.