Institute of Automation and Information Technologies
Department of Automation and Control

THE EDUCATIONAL PROGRAM
8D07118 Industrial Automation

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 8D07118 Industrial Automation 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 8D07118 Industrial Automation 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	8D07118 Industrial Automation
5	Short description of educational program	The educational program 8D07118 Industrial Automation of Doctor of Philosophy training has a scientific and industrial focus and involves fundamental, methodological and research training and in-depth study of disciplines in the areas of automation and robotics for the postgraduate education system.
6	Purpose of EP	The goal of the educational program is to train highly qualified specialists proficient in modern methods for solving production tasks in industrial automation and capable of engaging in innovative activities aimed at sustainable development, improving energy efficiency, reducing environmental impact, and efficient resource utilization in industry.
7	Type of EP	Innovative 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, English
15	Academic degree awarded	Doctor of Philosophy (PhD)
16	Developer(s) and authors	Sarsenbayev N.S., Manatov K. A.