



A. Burkitbayev Institute of Power and Mechanical Engineering

Department of «Mechanical engineering»

EDUCATIONAL PROGRAM

8D07209 Advanced technologies of materials processing

Code and classification of the field of education: 8D07-Engineering, manufacturing and construction industries

Code and classification of training directions: 8D072- Industrial and manufacturing branches

Group of educational programs: D113- Technology for materials pressure processing

Level based on NQF: 8

Level based on IQF: 8

Study period: 3 years

Amount of credits: 180

Almaty 2025

Educational program 8D07209 – Advanced and technologies of
code and name of educational program
materials processing

was approved at the meeting of K.I. Satbayev KazNRTU Academic Council






Minutes 10 dated « 06 » 03 2025.

was reviewed and recommended for approval at the meeting of K.I. Satbayev
KazNRTU Educational and Methodological Council

Minutes 3 dated « 20 » 12 2024.

Educational program 8D07209 – Advanced and technologies of
code and name of educational program

developed by Academic committee in the direction of "8D072-
Manufacturing and processing"

Full name	Academic degree/ academic title	Position	Workplace	Signature
Teaching staff:				
Nugman E.Z.	Doctor PhD, Associate Professor	Head of the Department of "Mechanical Engineering"	Institute of Energy and Mechanical Engineering named after A.Burkitbaev	
Kerimzhanova M.F.	Candidate of Technical Sciences, Docent	Professor	Department of Mechanical Engineering	
Uderbayeva A.E.	Doctor PhD	Assoc. Professor	Department of Mechanical Engineering	
Employers:				
Andreev V.I.		General Director	Kazecotech STE LLP	
Students				
Myrzakhan A.		1st year doctoral student	Department of "Mechanical Engineering"	

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	8D072 - Industrial and manufacturing branches
3	Educational program group	D113 - Technology for materials pressure processing
4	Educational program name	8D07209- Advanced technologies of materials processing
5	Short description of educational program	The professional activity of the doctoral student is directed in the field of design and development of advanced technological processes of materials processing by pressure, modeling of objects and processes using software packages of automated design, analysis of technical information, research in the field of engineering materials. Doctoral students will gain knowledge of effective methods of solving problems of technology, economics and management; they will acquire the skills and abilities of mathematical, physical and computer modeling of technological processes of materials processing by pressure, conducting research with the search for optimal solutions when creating competitive products.
6	Purpose of EP	Training of highly qualified specialists in the field of advanced pressure treatment technologies with in-depth knowledge and competencies for the development and implementation of innovative technologies, work in the field of education, as well as contributing to the sustainable development of industry through modern engineering solutions.
7	Type of EP	New EP
8	The level based on NQF	8
9	The level based on IQF	8
10	Distinctive features of EP	-
11	Education form	full-time
12	Period of training	3 years
13	Amount of credits	180
14	Languages of instruction	Russian, Kazakh
15	Academic degree awarded	Doctor of Philosophy PhD
16	Developer(s) and authors	The educational program was developed by the academic committee on direction «8D072-Industrial and manufacturing branches »