

Ministry of agriculture of the Republic of Kazakhstan
Kazakh agrotechnical University. S. Seifullin

Considered CLAIM
at the meeting of the Academic Council of the University
Protocol № 16
from "27" мая 2021y.



Dean of the
Technical Faculty
S.O. Nukeshev
" 27 " 08 2021y.

EDUCATIONAL PROGRAM
"Transport, transport equipment and technologies»

Code and classification of the field of education:
7M07 Engineering, manufacturing and construction industry
Code and classification of training areas:
7M071-Engineering and engineering
Code in The international standard classification of education: 0710
Qualification: _master of technical Sciences

Duration of training: 2 years

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The team of authors approved by order of NcJSC " KATU.S. Seifullin" № 964-N from 28.12.2018 y.

Educational program " Transport, transport equipment and technologies"

Date of registration in the Registry: 14.08.2019

Date of EP passport updating: 14.08.2019 09:11

Registration number: 7M07100116

OHPE (Developer): S.Seifullin Kazakh AgroTechnical university

Field of education: 7M07 Инженерные, обрабатывающие и строительные отрасли

Direction of personnel training: 7M071 Engineering and engineering trades

Group of educational programs: M104 Transport, transport equipment and technologies

Educational program: 7M07107 Transport, transport equipment and technology (2y.)

Formation of master students ' General cultural and professional competencies, providing high quality educational services in the field of postgraduate education and competence in training for the transport sector of the economy of the Republic of Kazakhstan through the implementation of the principles of the Bologna process and modern standards in the direction of training masters.

EP type: Acting EP

Level on NQF: 7

Level on SQF: 7

EP distinctive features: No

Language of education: russian, kazakh

Volume of the credits: 120

The awarded academic degree: Master

Period of study: 2

Date of approval EP on the Academic Council: 30.05.2019

Existence of the annex to the license for the direction of personnel training

The license number on the direction of training: 0062189

EP accreditation existence: there is

The formed educational outcomes

№ п/п	Educational outcome	Код
1	the Ability to define the goals and objectives of the thesis, to consider various factors when you build the structure of their interactions and the identification of priority transport problems solution;	ON 1
2	the Ability to organize and conduct fundamental and applied research in the field of transport equipment and technology and on their basis to develop research projects for the transport complex;	ON 2
3	Critical understanding and analysis of options for solving problems and predicting consequences, planning and implementation of transport tasks;	ON 3
4	Ability to develop national and international standards in the field of transport equipment and technology;	ON 4
5	skills technological design of infrastructure and external city transport;	ON 5
6	Analysis of the efficiency of innovation and innovative activity of transport enterprises, the correct application of practical management skills in innovative processes of transport equipment and technology;	ON 6
7	Having the skills to work with modern technology, the ability to use information technology, modern packages of computer simulation and engineering analysis in the writing of their theses;	ON 7
8	Ability to work in a team, to be flexible and mobile in various conditions and situations related to professional activities, to possess decision-making skills in conditions of uncertainty and risk.	ON 8

Data on disciplines

№ п/п	Name of discipline	Short description of discipline	Cycle	Component	Credits
1	Foreign language (professional)	Language for professional and academic purposes at an advanced level, which will allow to freely operate with the scientific and conceptual apparatus of the specialty, expand the scientific and information base, master the skills of interpreting scientific information, argumentation, persuasion, scientific controversy, academic writing	BD	UC	5
2	History and philosophy of science	As a result of studying the discipline "History and Philosophy of Science" graduate student should possess the ability to apply the acquired knowledge about the structure and functions of scientific knowledge, the methods of science in their professional activities; distinguished ideological, political, religious build on scientific concepts. Knowledge of tools and methods of modern science is a prerequisite for independent creative scientific work and to distinguish genuine from pseudo-scientific work constructions.	BD	UC	5
3	Pedagogics of higher school	Fundamentals of pedagogy of high school. Subject and tasks of pedagogy of higher school. Methodology and methods of pedagogical research in higher education. Didactics of higher school. Pedagogical process in higher school. Laws and principles of training. Methods, forms and means of higher education. The current state of higher education in Kazakhstan. Professional development of lecturer. The process of education in high school. The purpose of education as a pedagogical problem. The staff as a form of functioning of the integral pedagogical process. Management of pedagogical process.	BD	UC	5

4	Patents and Licenses working	To operate the conceptual apparatus in the field of intellectual property; to be guided by legislative acts in the field of intellectual property in scientific and professional activities; to search for normative documents in the field of intellectual property, including in global computer networks.	BD	EC	5
5	Psychology of management	Introduction to the psychology of management. Conceptual apparatus of the psychology of management. Leader and team. Conflicts in the workplace. Managerial communication. Decision making technology. The concept of the subject and object of management. Leader and leader. Psychology of the order. Personality as a subject and object of management. Democratic leadership style and its features. Psychology of criticism. Psycho types of subjects of communication. Psychological persuasive technique. Psychological problems of selection of leading cadres. Psychological problems of training and retraining of managerial personnel. Selection and placement of personnel. Staff rotation. Certification and staff turnover.	BD	EC	5
6	Modern information technology simulation modeling	Fundamentals of probability theory and mathematical statistics, discrete mathematics; the use of information technology information processing; apply mathematical methods, physical laws and computer technology to solve practical problems; analyze the data obtained from the simulation.	BD	EC	5
7	Transport equipment tests	Perform the selection of rational approaches to the testing and modeling of the transport system; select the equipment and devices for processing measurement data; process the results of tests of sources of electrical energy of transport equipment; processing the results of tests of transport equipment; processing the results of tests of transport equipment for toxicity.	PD	UC	5

8	The methodology and methods of scientific experiments	To analyze the trends of modern science, to determine promising areas of research in the subject area of professional activity, the composition of research papers, determining their factors; to use experimental and theoretical research methods in professional activities; to adapt modern achievements of science and science-intensive technologies to the educational and self-educational process.	PD	UC	5
9	Car Servicing	Human needs for maintenance of transport equipment and the principles of their satisfaction in the activities of service organizations; the concept of "contact zone" as a sphere of implementation of service activities; manage conflicts and stresses in the process of professional activity; on the peculiarities of business communication and its specifics in the service sector.	PD	UC	5
10	Operation and maintenance of transport equipment	Technological processes of maintenance and repair of transport equipment; clearly understand the technical documentation of technological equipment and tooling; basic requirements for technological equipment, methods used and calibration calculations; analyze problem situations and contradictions of production nature.	PD	UC	5
11	Design features of modern transport technology	The history of the automotive industry and road transport in Kazakhstan, CIS and in the world. Leading automobile firms; the General arrangement of transport and transport equipment and groups of its mechanisms. The purpose of the group of mechanisms and their location in transport; features layouts of cars, trucks, buses. Parameters of technical characteristics of vehicles.	PD	EC	7
12	Specialized rolling stock	To apply a logistic approach to the choice of vehicles for the transportation of specific types of goods; to use the documents regulating the transportation of a specific cargo; to use the documents regulating the transportation	PD	EC	5

		of a specific cargo; to choose the best vehicles and equipment in accordance with the rules for specific conditions of transportation.			
13	Environmental safety of motor vehicles	Methods of calculation of air consumption at different modes of operation of automobile ice, emissions of pollutants from Parking lots, areas of maintenance and repair of cars, when running engines after repair and tire repair works, when washing parts, components and assemblies of cars and applying paint coatings, damage to the environment from the effects of road transport.	PD	EC	5

Head of the Department "Transport Equipment and Technologies"

Balgabekov T. K.