

Considered CLAIM
at the meeting of the Academic Council of the University
Protocol № 15
from "30" 05 2019.



President
"Kazakh agrotechnical
University named after S. Seifullin"
A.K. Kurishbayev
2019.

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: 1,5 years

Astana 2019

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

Educational program " Transport, transport equipment and technologies"

considered at the meeting of the Department " Transport equipment and technology"
minutes № 6 from «29» January 2019 g.

approved by the faculty Council
protocol № 9 from «20» February 2019 g .

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1 Passport of the educational program

1.1 Purpose of the educational programme:

The purpose of the educational program is to achieve the provision of high quality educational services in the field of postgraduate education, leadership in the national educational space for the training of personnel for the transport sector of the economy of the Republic of Kazakhstan through the implementation of the principles of the Bologna process and modern international quality standards and reflects the University's desire to ensure high quality training through the integration of education, science and production, strengthening the material and technical base and human resources of the University, application of modern techniques and technologies in the educational process.

The task of the educational program is to prepare modern highly qualified competent masters (specialists) for the transport sector of the economy of the Republic of Kazakhstan, able to quickly adapt to rapidly changing socio - economic conditions.

Organizational and technological activities: development of design, technological, design and estimate documentation for the creation and repair of transport equipment; organization of work of the team of performers, taking into account different opinions and management decisions; compromise solutions taking into account different requirements (cost, quality, deadlines and safety) for different types of planning and determination of optimal solutions; accounting for different types of costs in order to ensure the production of quality products.

Production and management activities: optimization of production technologies of transport equipment and equipment; quality control of technological processes, materials and finished products; selection and effective use of materials, equipment and other means for the implementation of production processes; metrological verification of measuring indicators of product quality; activities for standardization and certification of transport equipment and equipment, technology of their manufacture and repair; organization and management of services, enterprises associated with the operation and repair of transport equipment.

Project activities: definition of goals and objectives of the project, taking into account various factors in the construction of the structure of their relationships and identify priority areas of problem solving; development and analysis of solutions to the problems of forecasting the consequences, planning and implementation of projects; development of projects of machines and equipment taking into account technological, design, aesthetic, economic and other parameters; the use of information technology in the selection of materials, transport equipment and equipment.

2 General characteristics of the educational program

The structure of the educational program of the magistracy in the relevant areas is determined according to annexes 1, 2, 3 and 4 of the SES approved by the order of the MES № 604 of October 31, 2018.

Message Of The President Of The Republic Of Kazakhstan N. Nazarbayev "growth of well-being of Kazakhstan: improving income and quality of life" is devoted to the development of the economy of Kazakhstan, where special attention is paid to the transport potential of the country: "the First program should focus on the development of transport infrastructure..."

The educational program "Transport, transport equipment and technologies" refers to the fields of science and technology, which include a set of tools, methods and methods of human activity aimed at the development, implementation, production and operation of transport equipment, as well as research in the field of automotive engineering. Now the profession of the master of transport equipment and technologies is demanded as experts in the field of design and operation of transport equipment are required, both at the machine-building enterprises, and in the transport organizations.

Graduates of the educational program "Transport, transport equipment and technology»:

- know the theoretical foundations of technical operation of transport equipment and technology;
- know the strategies and working methods of transport equipment and technology;
- able to determine the standards of technical operation of transport equipment and technology;
- know the methods of production of the service product; know the advanced technology of maintenance of transport equipment and technology, rational organization and management, integrated systems of maintenance and repair;
- comprehensive knowledge of transport, transport equipment and technology;
- possess the skills to develop evidence-based methods for determining the technical operation of transport equipment;
- able to explain the means of performance and capacity and carrying capacity of vehicles.

Qualifications and positions in accordance with the " Qualification directory of positions of managers, specialists and other employees", approved by the order of the Minister of labor and social protection of the Republic of Kazakhstan dated 21.05.2012, №201-o-M.: master of the site; engineer; design engineer (designer); engineer for commissioning and testing; repair engineer; mechanic; design engineer.

3 Competence model (portrait) of the graduate

3.1 Areas of professional activity

Sphere of professional activity: design, operation and repair of transport equipment.

- research and psychological and pedagogical activity in the organizations of secondary, higher and additional professional education of the technical and agricultural direction, research, design organizations and on production;
- research activities in the field of education and production in the field of training in accordance with the specialization;
- agricultural enterprises of various forms of ownership; enterprises of the processing industry; stations for maintenance and repair of equipment (SRT); machine-testing stations (MIS); motor transport enterprises;
- educational, managerial and planned activities in accordance with the qualification of master of technical Sciences.

The objects of professional activity of graduates are:

machine-building plants producing transport equipment and equipment; enterprises and organizations operating transport equipment; design, design and technological organizations; machine-repair enterprises; branded and dealer centers of machine-building and repair plants; marketing and freight forwarding services; logistics systems, transport management services.

The subjects of professional activity are:

- transport machinery and equipment; energy equipment;
- running equipment; working equipment; drive systems of transport equipment; traffic control systems; life support systems;
- equipment for production, testing and utilization of transport equipment;
- equipment for maintenance and repair of transport equipment;
- control and measuring devices for production and operation of transport equipment;
- equipment for automation of working processes of transport equipment.

4 Base passing professional practices

Future graduates of the educational program "Transport, transport equipment and technology" can work in transport enterprises, holdings, enterprises of the system of state enterprises, joint stock companies and private firms of agriculture, oil and gas and other national companies of the Republic, as well as research and production associations, scientific and design organizations. Sample list in the table:

№	Name of the company	Head	Address, contact numbers
1.	АО «Кедентранссервис»	Абдиров Алимжан Таймасович	г. Астана, Есильский район, ул. Достык 18 БЦ «Москва-Парк» 8(7172)55-04-50
2.	АО «Автобусный парк № 1»	Пулатов Нурмахан Сапарбекович	г. Астана, ул. Пушкина 37/2 8(7172)57-40-01
3.	ТОО СП «Тулпар Тальго»	Даденов Бахыт Молдаханович	г. Астана, Индустриальный парк 8(7172)93-06-07
4.	ТОО ПК «Целингидромаш»	Безкоровайный Михаил Петрович	г. Астана ул. Омарова, 111 8(7172)21-25-37
5.	АО "Астана Зеленстрой"	Нысанбаев Ерлан Нуралиевич	г. Астана, ул. Пушкина, 45 8 (7172) 53-31-08
6.	ТОО "Truck-Auto"	Исмуратов Данияр Сабитович	г. Астана, пр. Кабанбай батыра, 39
7.	Управление административной полиции ДВД г. Астана	Бахытжан Малыбаев	г. Астана, ул. Бейбітшілік 19
8.	АО «Камаз-Инжиниринг»	Ильдус Фаритович Ризванов	г. Кокшетау, ул. Мира, 13 Тел: 87162326208, 326201
9.	ТОО «Атбасарский ремонтно-механический завод»	Джазин Фархад Амангельдыевич	Атбасар, Акмолинская область, ул. Радиоузелная, 1 Тел: 87164324290, 2042029
10.	ТОО «Автобусный парк № 3 СК»	Тлеубергенов Бауржан Туякович	010000, г. Астана, район Сарыарка, шоссе Софиевское, д. 29, тел. 53-17-52
11.	Управление пассажирского транспорта и	Мырзагулов Сымбат Еркебаевич	Адрес: 010000, г.

5 The Structure of the educational program of master's degree in scientific and pedagogical direction

№	Name of cycles of disciplines and activities	Total complexity			
		with a typical training period of 1 year		with a typical training period of 1,5 year	
		in academic hours	in academic credits	in academic hours	in academic credits
1.	Theoretical training	750	25	1500	50
1.1	The cycle of basic disciplines (BD)	300	10	450	15
1)	University component (VC):	180	6	180	6
	among them:				
	Foreign language (professional)				
	Management				
	Management psychology				
2)	Component of choice (CC)	120	4	270	9
1.2	Cycle of majors (CM)	750	25	1350	45
1)	University component (UC)				
2)	Component of choice (CC)				
3)	Research practice				
2	Experimental research work	390	13	540	18
1)	Research work of a master's degree student, including internship and master's thesis (RWMS)	390	13	540	18
3	Additional training (AT)				
4	Final certification (FC)	360	12	360	12
1)	Design and defense of master's thesis (DaDMT)	360	12	360	12
	Subtotal	1800	60	2700	90