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APPROVED
Director of the Institute
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«_19_» __03__ 2025 y.

CATALOG OF UNIVERSITY COMPONENT DISCIPLINES
EDUCATIONAL PROGRAMS 7M07351 - TRANSPORT CONSTRUCTION MANAGEMENT (PROFILE)

Education level: Master's degree

Duration of study: 1 years

Year of admission: 2025

Cycle	Component	Name of the discipline	Total labor intensity		Term	Learning outcome s	Brief description of the discipline	Prerequisites	Post-requirements
			in academic hours	in academic loans					
2	3	4	5	6	7	8	9	10	11
BD	UC	Management	60	2	1	RO3 RO2	Formation of students' theoretical knowledge and practical skills in the field of organization, planning, management, control and coordination of the processes of construction and operation of transport facilities, taking into account the specifics of the industry, modern technologies, economic, legal and environmental requirements, regulatory framework and modern methods of project management	Fundamentals of Economics and Entrepreneurship, Managerial Economics	Industrial practice, Experimental research work of a graduate student
BD	UC	Foreign language (professional)	60	2	1	RO1 RO8	To form students' communicative competence in a foreign language in professional areas, this includes the development of oral and written language skills, reading and understanding professionally oriented texts, conducting business correspondence, participating in discussions and negotiations on regulatory legal acts, expertise, as well as using the language for professional communication.	Foreign language	Experimental research work of a graduate student
BD	UC	Psychology of management	60	2	1	RO2	Formation of a systematic understanding of the psychological aspects of managerial activity, leadership qualities, motivation, behavior and communication management in organizations. It is aimed at studying the theoretical and methodological foundations of management psychology and ways to solve them, familiarization with methods of studying important socio-psychological characteristics of individuals and teams, professional, interpersonal and intrapersonal problems by means of management psychology.	Philosophy, Sociology, Political Science, Psychology	Industrial practice, Experimental research work of a graduate student

BD	UC	Organization and planning of scientific research	150	5	1	RO4	The discipline focuses on a systematic approach to the development, execution and management of research projects. Special attention is paid to strategic planning, resource allocation, project management and collaboration between researchers. Students learn how to develop research proposals, set goals, and evaluate results, contributing to innovation and efficiency in scientific endeavors.	Organization of construction of transport infrastructure facilities	Industrial practice, Experimental research work of a graduate student
BD	UC	Gesetzgebung und regulatorische Regelung im Verkehrsbau	120	4	1	RO8	The discipline is aimed at developing students' knowledge of the laws and regulations governing activities in the field of transport construction. The basics of legal regulation of the design, construction, reconstruction and operation of transport infrastructure facilities, as well as the interaction of participants in the construction process with government authorities and regulatory structures are considered.	Surveys and design of highways	Experimental research work of a graduate student

Head of the Department Construction Engineering

Kulmanov K.S.