

APPROVED
by the Academic Council
of S. Seifullin KATRU NCJSC
Protocol No. 12 dated April 30, 2026.

List of prerequisites for groups of Master's degree programs for the 2026-2027 academic year

No	Group of educational programs	Name of disciplines	Number of credits	Institute	Approved by the Academic Council of the Institute	Approved by the Academic Council of the University	Approved by the Academic Council of the University
1	M070- Economics	The economy of the enterprise	5	Institute of Business and Digital Technologies	Protocol No.6 26.01.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
2	M072 - Management	Management	5	Institute of Business and Digital Technologies	Protocol No 6 26.01.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
3	M072 – Management (Executive MBA)	Management	5	Institute of Business and Digital Technologies	Protocol No 6 26.01.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
4	M073 - Audit and Taxation	Financial accounting 1	5	Institute of Business and Digital Technologies	Protocol No 6 26.01.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
5	M074 – Finance, banking and insurance	Finance	5	Institute of Business and Digital Technologies	Protocol No 6 26.01.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
6	M075-Marketing and advertising	Marketing	5	Institute of Business and Digital Technologies	Protocol No 6 26.01.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
7	M080- Biology	General biology of organisms	2	Institute of Animal Science and Veterinary	Protocol No.6 17.02.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
		Molecular Biology	2				
		Plant biotechnology	5				

8	M082 - Biotechnology			Institute of Animal Science and Veterinary	Protocol No.6 17.02.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
		Veterinary and medical biotechnology	5				
9	M094 - Information technologies EP «7M06101 Information systems and IT solutions by industry»	Network Technologies	5	Institute of Business and Digital Technologies	Protocol No 6 26.01.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
		Modern Programming Languages	5				
	M094 - Information technologies EP «7M06102 Computational Systems and Technology»	Programming technology	6				
		Operating systems	5				
10	M096 - Information and communication technologies	Theory of electrical circuits	5	Institute of Power Engineering	Protocol No 6 19.02.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
		Fundamentals of radio engineering, electronics and telecommunications	4				
11	M098- Thermal power generation	Theoretical foundations of thermal engineering	6	Institute of Power Engineering	Protocol No 6 19.02.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
12	M099 - Energy and electrical engineering	Power Supply	7	Institute of Power Engineering	Protocol No 6 19.02.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
13	M100 - Automation and management	Theory of management and modeling	2	Institute of Power Engineering	Protocol No 6 19.02.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
14	M103 - Mechanics and metal working	Failure analysis and repair of machines	5	Institute of Engineering and Food Technology	Protocol №8 28.01.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
15	M104 - Transport, transport equipment and technologies	Fundamentals of vehicle devices	5	Institute of Engineering and Food Technology	Protocol №8 28.01.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26

16	M111 - Food production	Theoretical foundations of food technology	4	Institute of Engineering and Food Technology	Protocol №8 28.01.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
17	M122 - Architecture	The world History of Architecture	5	Institute of Land Resources and Architecture	Protocol №13 10.02.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
		Architectural structures	5				
18	M123 - Geodesy	Higher Geodesy	5	Institute of Land Resources and Architecture	Protocol №13 10.02.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
		Aerospace survey methods	5				
19	M128 - Land Management	Theoretical foundations of land management	5	Institute of Land Resources and Architecture	Protocol №13 10.02.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
		Fundamentals of scientific research in land management	5				
		State registration and accounting of lands	5				
20	M130 - Standardization, certification and metrology (by industry)	Standardization and certification	5	Institute of Engineering and Food Technology	Protocol №8. 28.01.26	Protocol No.9 28.04.26	Protocol No.612 30.04.26
21	M131 - Crop production	Crop Production	3	Institute of Agriculture and Forestry	Protocol №6. 25.02.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
		Soil science	2				
22	M132 - Animal production	Feeding of agricultural animals	3	Institute of Animal Science and Veterinary	Protocol No.6 17.02.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
		Breeding and selection of agricultural animals	3				
23	M133- Forestry EP «7M08304 Rational use of natural bioresources»	Biology of animals and birds	5	Institute of Agriculture and Forestry	Protocol №6. 25.02.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
	M133- Forestry EP «7M08307 Sustainable management of natural resources»	Forestry science	3				

24	M134 - Fisheries	Ichthyology	5	Institute of Animal Science and Veterinary	Protocol No.6 17.02.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
		Aquaculture	5				
25	M135 Energy supply of agriculture	Electric machines and drives	2	Institute of Power Engineering	Protocol No 6 19.02.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
26	M136 Agricultural machinery and technologies (7M08702 Agroengineering) (7M08701 Precision Farming)	Precision agriculture basics	4	Institute of Engineering and Food Technology	Protocol №8 28.01.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
27	M138 - Veterinary	Veterinary Epidemiology	5	Institute of Animal Science and Veterinary	Protocol No.6 17.02.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
		Veterinary obstetrics and gynecology	5				
28	M007 Teacher training in arts, graphics and design	Pedagogy	3	Institute of Humanities and Pedagogical Sciences	Protocol № 6. 25.02.2026	Protocol No.9 28.04.26	Protocol No.12 30.04.26
		Methods of teaching	5				

Head of the CCG&AS

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