

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

List of prerequisites for groups of PhD doctoral degree programs for the 2026-2027 academic year

№	Group of educational programs	Name of discipline	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	D070 - Economics	Economic safety	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
		Organization of business activities in rural areas	5				
2	D072 - Management and administration	Strategic 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	D072- Management and administration (DBA)	Strategic 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	D073 – Audit and Taxation	Accounting in accordance with IFRS	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	D074 - Finance, Banking and Insurance	Financial Management (Advanced)	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	D075 - Marketing and advertising	Management 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	D094 - Information technologies EP «8D06101 Big Data Analitics»	Analysis, Modeling, and Design of Information System	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
	D094 - Information technologies EP	Designing embedded information management systems	6				

	«8D06102 Systems engineering»	Software development technology for real-time systems	6				
8	D098 - Thermal power generation	Scientific and technical problems of thermal power engineering and heat technology	5	Institute of Power Engineering	Protocol No.6 19.02.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
		Cycles and installations of thermal engineering processes	6				
9	D099 - Energy and electrical engineering	Electric 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
10	D100 - Automation and management	Control and modelling theory	2	Institute of Power Engineering	Protocol No.6 19.02.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
11	D103 - Mechanics and metal working	Methodology of scientific study	5	Institute of Engineering and Food Technology	Protocol No.8 28.01.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
		Design of technological machines and equipment	4				
12	D104 - Transport, transport equipment and technologies	Methods and methodology of scientific research	3	Institute of Engineering and Food Technology	Protocol No.8 28.01.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
13	D111 - Food production	Scientific basis for food production	5	Institute of Engineering and Food Technology	Protocol No.8 28.01.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
14	D122 - Architecture	Theory of Architecture and Urban Planning	5	Institute of Land Resources and Architecture	Protocol No.13 10.02.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
		Methodology of scientific research in architecture and urban planning	5				
15	D123 - Geodesy	Scientific research in the field of geodesy and cartography	6	Institute of Land Resources and Architecture	Protocol No.13 10.02.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
		Phototriangulation	5				

16	D128 - Land Management	Methodology of scientific research in land management	5	Institute of Land Resources and Architecture	Protocol No.13 10.02.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
		Technologies of Cadastral Activity	5				
17	D130 - Standardization, certification and metrology (by industry)	Regulatory and legal bases of technical regulation	5	Institute of Engineering and Food Technology	Protocol No.8 28.01.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
18	D131 - Crop production	Methodology of Experimental Research	3	Institute of Agriculture and Forestry	Protocol No.6 25.02.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
19	D132 – Animal production	Methods of Breeding and Feeding Farm Animals	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
20	D133- Forestry EP «8D08302 Wildlife»	Management and restoration of hunting animal populations	5	Institute of Agriculture and Forestry	Protocol No.6 25.02.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
	D133- Forestry EP «8D08301 Sustainable forest management»	General forestry	3				
21	D135 - Power 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
22	D136 - Motor vehicles	Theoretical foundations of mechanization of agricultural production in crop production	5	Institute of Engineering and Food Technology	Protocol No.8 28.01.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
23	D138 - 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				
24	D007 - Teacher Training in Art Education, Graphic Arts, and Design	Pedagogy of Higher Education	3	Institute of humanities and pedagogical sciences	Protocol No.6 25.02.26	Protocol No.9 28.04.26	Protocol No.12 30.04.26
		Psychology of management	5				

Head of the CCG&AS

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