

List of UrFU PhD programs

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For more information on the program outlines and research opportunities contact our colleagues via email: postgrad@urfu.ru

Code	Program name	Profile name	Institute
01.06.01 Mathematics and Mechanics			
01.06.01	Mathematics and Mechanics	Material, complex and functional analysis	Institute of Natural Sciences and Mathematics (ИЕНиМ)
01.06.01	Mathematics and Mechanics	Discrete mathematics and mathematical cybernetics	Institute of Natural Sciences and Mathematics (ИЕНиМ)
01.06.01	Mathematics and Mechanics	Differential equations, dynamic systems and optimal management	Institute of Natural Sciences and Mathematics (ИЕНиМ)
01.06.01	Mathematics and Mechanics	Mathematical logic, algebra and number theory	Institute of Natural Sciences and Mathematics (ИЕНиМ)
01.06.01	Mathematics and Mechanics	Fluid, gas and plasma mechanics	Institute of Natural Sciences and Mathematics (ИЕНиМ)
01.06.01	Mathematics and Mechanics	Theoretical mechanics	Institute of Natural Sciences and Mathematics (ИЕНиМ)
02.06.01 Computer and Information Sciences			
02.06.01	Computer and Information Sciences	Mathematical modelling, numerical methods and programme complexes	Institute of Natural Sciences and Mathematics (ИЕНиМ)
03.06.01 Physics and Astronomy			
03.06.01	Physics and Astronomy	Astrometry and celestial mechanics	Institute of Natural Sciences and Mathematics (ИЕНиМ)
03.06.01	Physics and Astronomy	Astrophysics and stellar astronomy	Institute of Natural Sciences and Mathematics (ИЕНиМ)
03.06.01	Physics and Astronomy	Theoretical physics	Institute of Natural Sciences and Mathematics (ИЕНиМ)
03.06.01	Physics and Astronomy	Thermophysics and Theoretical Thermal Engineering	Institute of Natural Sciences and Mathematics (ИЕНиМ)
03.06.01	Physics and Astronomy	Physics of condensed state	Institute of Natural Sciences and Mathematics (ИЕНиМ)
03.06.01	Physics and Astronomy	Physics of magnetic phenomena	Institute of Natural Sciences and Mathematics (ИЕНиМ)
03.06.01	Physics and Astronomy	Optics	Institute for New Materials and Technologies (ИМНТ)
03.06.01	Physics and Astronomy	Instruments and methods of experimental physics	Institute of Physics and Technology (ФТИ)
03.06.01	Physics and Astronomy	Thermophysics and Theoretical Thermal Engineering	Institute of Physics and Technology (ФТИ)
03.06.01	Physics and Astronomy	Physics of condensed state	Institute of Physics and Technology (ФТИ)
03.06.01	Physics and Astronomy	Physical electronics	Institute of Physics and Technology (ФТИ)

04.06.01 Chemical Sciences			
04.06.01	Chemical Sciences	Analytical Chemistry	Institute of Natural Sciences and Mathematics (ИЕНИМ)
04.06.01	Chemical Sciences	High-molecular compounds	Institute of Natural Sciences and Mathematics (ИЕНИМ)
04.06.01	Chemical Sciences	Inorganic chemistry	Institute of Natural Sciences and Mathematics (ИЕНИМ)
04.06.01	Chemical Sciences	Organic chemistry	Institute of Natural Sciences and Mathematics (ИЕНИМ)
04.06.01	Chemical Sciences	Physical Chemistry	Institute of Natural Sciences and Mathematics (ИЕНИМ)
04.06.01	Chemical Sciences	Solid State Chemistry	Institute of Natural Sciences and Mathematics (ИЕНИМ)
04.06.01	Chemical Sciences	Analytical Chemistry	Institute of Chemistry and Technology (ХТИ)
04.06.01	Chemical Sciences	Organic chemistry	Institute of Chemistry and Technology (ХТИ)
05.06.01 Earth Sciences			
05.06.01	Earth Sciences	Geodesy	Institute of Natural Sciences and Mathematics (ИЕНИМ)
05.06.01	Earth Sciences	Environmental science	Institute of Natural Sciences and Mathematics (ИЕНИМ)
06.06.01 Biosciences			
06.06.01	Biosciences	Zoology	Institute of Natural Sciences and Mathematics (ИЕНИМ)
06.06.01	Biosciences	Physiology	Institute of Natural Sciences and Mathematics (ИЕНИМ)
06.06.01	Biosciences	Plant Physiology and Biochemistry	Institute of Natural Sciences and Mathematics (ИЕНИМ)
06.06.01	Biosciences	Ecology (by sector)	Institute of Natural Sciences and Mathematics (ИЕНИМ)
06.06.01	Biosciences	Physiology	Institute of Physical Culture, Sports and Youth Policy (ИФКСИМП)
07.06.01 Architecture			
07.06.01	Architecture	Urban planning, planning of rural communities	Institute of Construction and Architecture (ИСА)
08.06.01 Civil Engineering Technology			
08.06.01	Civil Engineering Technology	Water supply, sewerage, construction water protection systems	Institute of Construction and Architecture (ИСА)
08.06.01	Civil Engineering Technology	Grounds and foundations, underground structures	Institute of Construction and Architecture (ИСА)
08.06.01	Civil Engineering Technology	Construction structures, buildings and installations	Institute of Construction and Architecture (ИСА)
08.06.01	Civil Engineering Technology	Heat supply, ventilation, air conditioning, gas supply and lighting	Institute of Construction and Architecture (ИСА)
09.06.01 Computer Science and Computer Facilities			
09.06.01	Computer Science and Computer Facilities	Mathematical modelling, numerical methods and programme complexes	Institute of Natural Sciences and Mathematics (ИЕНИМ)

09.06.01	Computer Science and Computer Facilities	Theoretical fundamentals of computer science	Institute of Natural Sciences and Mathematics (ИЕНИМ)
09.06.01	Computer Science and Computer Facilities	Automatisation and management of technological processes and production.	Institute for New Materials and Technologies (ИМНТ)
09.06.01	Computer Science and Computer Facilities	Systems for design automation	Institute for New Materials and Technologies (ИМНТ)
09.06.01	Computer Science and Computer Facilities	Mathematical modelling, numerical methods and programme complexes	Institute of Radioelectronics and Information Technologies (ИРИТ-РТФ)
09.06.01	Computer Science and Computer Facilities	System analysis, management and information processing (by industry)	Institute of Radioelectronics and Information Technologies (ИРИТ-РТФ)
09.06.01	Computer Science and Computer Facilities	Mathematical modelling, numerical methods and programme complexes	Institute for Fundamental Education (ИНФО)
09.06.01	Computer Science and Computer Facilities	Management in social and economic systems	Institute for Economics and Management (ИНЭУ)
09.06.01	Computer Science and Computer Facilities	Mathematical modelling, numerical methods and programme complexes	Institute of Physics and Technology (ФТИ)
09.06.01	Computer Science and Computer Facilities	Management in social and economic systems	Institute of Physics and Technology (ФТИ)
10.06.01 Informational security			
10.06.01	Informational security	Information protection methods and systems, information security	Institute of Natural Sciences and Mathematics (ИЕНИМ)
10.06.01	Informational security	Information protection methods and systems, information security	Institute of Radioelectronics and Information Technologies (ИРИТ-РТФ)
11.06.01 Electronics, radio engineering and communication systems			
11.06.01	Electronics, radio engineering and communication systems	Antennas, microwave devices and their technology	Institute of Radioelectronics and Information Technologies (ИРИТ-РТФ)
11.06.01	Electronics, radio engineering and communication systems	Radiolocation and radio navigation	Institute of Radioelectronics and Information Technologies (ИРИТ-РТФ)
11.06.01	Electronics, radio engineering and communication systems	Radio technology, including television systems and devices	Institute of Radioelectronics and Information Technologies (ИРИТ-РТФ)
11.06.01	Electronics, radio engineering and communication systems	Telecommunication systems, networks and devices	Institute of Radioelectronics and Information Technologies (ИРИТ-РТФ)
13.06.01 Electrical and Heat-power Engineering			
13.06.01	Electrical and Heat-power Engineering	Industrial Heat and Power Industry	Ural Energy Institute (Урал ЭНИИ)
13.06.01	Electrical and Heat-power Engineering	Thermal power plants, their energy systems and assemblies	Ural Energy Institute (Урал ЭНИИ)
13.06.01	Electrical and Heat-power Engineering	Turbomachinery and combined turbine units	Ural Energy Institute (Урал ЭНИИ)

13.06.01	Electrical and Heat-power Engineering	Electric power plants and power systems	Ural Energy Institute (Урал ЭНИИ)
13.06.01	Electrical and Heat-power Engineering	Electromechanics and electrical devices	Ural Energy Institute (Урал ЭНИИ)
13.06.01	Electrical and Heat-power Engineering	Electrical complexes and systems	Ural Energy Institute (Урал ЭНИИ)
13.06.01	Electrical and Heat-power Engineering	Electrotechnology	Ural Energy Institute (Урал ЭНИИ)
14.06.01 Nuclear, Thermal and Renewable Energy and Related Technologies			
14.06.01	Nuclear, Thermal and Renewable Energy and Related Technologies	Power plants based on renewable energy sources	Ural Energy Institute (Урал ЭНИИ)
14.06.01	Nuclear, Thermal and Renewable Energy and Related Technologies	Nuclear power plants, including design, operation and decommissioning	Ural Energy Institute (Урал ЭНИИ)
14.06.01	Nuclear, Thermal and Renewable Energy and Related Technologies	Nuclear reactor construction, machinery, assemblies and technology of nuclear industry materials	Institute of Physics and Technology (ФТИ)
15.06.01 Mechanical Engineering			
15.06.01	Mechanical Engineering	Road, construction and hoisting machines	Institute for New Materials and Technologies (ИМНТ)
15.06.01	Mechanical Engineering	Welding, related processes and technologies	Institute for New Materials and Technologies (ИМНТ)
15.06.01	Mechanical Engineering	Pressure treatment technologies and machines	Institute for New Materials and Technologies (ИМНТ)
15.06.01	Mechanical Engineering	Mechanical and physical treatment technology and equipment	Institute for New Materials and Technologies (ИМНТ)
15.06.01	Mechanical Engineering	Machine building technology	Institute for New Materials and Technologies (ИМНТ)
18.06.01 Chemical Technology			
18.06.01	Chemical Technology	Material science (by sector)	Institute for New Materials and Technologies (ИМНТ)
18.06.01	Chemical Technology	Technology for silicate and refractory non-metallic materials	Institute for New Materials and Technologies (ИМНТ)
18.06.01	Chemical Technology	Technology of rare, scattered and radioactive elements	Institute of Physics and Technology (ФТИ)
18.06.01	Chemical Technology	Technology for silicate and refractory non-metallic materials	Institute of Physics and Technology (ФТИ)
18.06.01	Chemical Technology	Chemical technology processes and devices	Institute of Chemistry and Technology (ХТИ)
18.06.01	Chemical Technology	Technology of inorganic substances	Institute of Chemistry and Technology (ХТИ)
18.06.01	Chemical Technology	Technology of organic substances	Institute of Chemistry and Technology (ХТИ)
18.06.01	Chemical Technology	Electrochemical process technology and corrosion protection	Institute of Chemistry and Technology (ХТИ)
18.06.01	Chemical Technology	Chemical technology for fuels and high-energy substances	Institute of Chemistry and Technology (ХТИ)

20.06.01 Technical and environmental safety			
20.06.01	Technical and environmental safety	Occupational health and safety (by sector)	Institute for Fundamental Education (ИНФО)
22.06.01 Materials Technology			
22.06.01	Materials Technology	Foundry industry	Institute for New Materials and Technologies (ИМНТ)
22.06.01	Materials Technology	Material science (by sector)	Institute for New Materials and Technologies (ИМНТ)
22.06.01	Materials Technology	Metal science and heat treatment of metals and alloys	Institute for New Materials and Technologies (ИМНТ)
22.06.01	Materials Technology	Metallurgy of ferrous, non-ferrous and rare metals	Institute for New Materials and Technologies (ИМНТ)
22.06.01	Materials Technology	Metal pressure processing	Institute for New Materials and Technologies (ИМНТ)
27.06.01 Management in Technical Systems			
27.06.01	Management in Technical Systems	Standardization and product quality management	Institute for New Materials and Technologies (ИМНТ)
27.06.01	Management in Technical Systems	Management in social and economic systems	Institute for Economics and Management (ИНЭУ)
27.06.01	Management in Technical Systems	Standardization and product quality management	Institute of Physics and Technology (ФТИ)
27.06.01	Management in Technical Systems	Management in social and economic systems	Institute of Physics and Technology (ФТИ)
37.06.01 Psychological Sciences			
37.06.01	Psychological Sciences	General psychology, personality psychology, history of psychology	Ural Humanitarian Institute (УГИ)
37.06.01	Psychological Sciences	Pedagogical psychology	Ural Humanitarian Institute (УГИ)
38.06.01 Economics			
38.06.01	Economics	Accounting and statistics	Institute for Economics and Management (ИНЭУ)
38.06.01	Economics	World economy	Institute for Economics and Management (ИНЭУ)
38.06.01	Economics	Finance, currency and credit	Institute for Economics and Management (ИНЭУ)
38.06.01	Economics	Economics and management of the national economy	Institute for Economics and Management (ИНЭУ)
38.06.01	Economics	Economic theory	Institute for Economics and Management (ИНЭУ)
39.06.01 Sociological sciences			
39.06.01	Sociological sciences	Management sociology	Institute for Economics and Management (ИНЭУ)
39.06.01	Sociological sciences	Economic sociology and demography	Institute for Economics and Management (ИНЭУ)
39.06.01	Sociological sciences	Social structure, social institutions and processes	Ural Humanitarian Institute (УГИ)
39.06.01	Sociological sciences	Culture Sociology	Ural Humanitarian Institute (УГИ)
41.06.01 Political sciences and area studies			
41.06.01	Political sciences and area studies	Political institutions, processes and technologies	Ural Humanitarian Institute (УГИ)

41.06.01	Political sciences and area studies	Political issues in international relations, global and regional development	Ural Humanitarian Institute (УГИ)
42.06.01 Media and information and library science			
42.06.01	Media and information and library science	Documentary studies, records management, archiving	Ural Humanitarian Institute (УГИ)
42.06.01	Media and information and library science	Journalism	Ural Humanitarian Institute (УГИ)
44.06.01 Education and Educational Sciences			
44.06.01	Education and Educational Sciences	Theory and methods of teaching and learning (by field and level of education)	Ural Humanitarian Institute (УГИ)
44.06.01	Education and Educational Sciences	Theory and Methodology of Vocational Education	Institute for Economics and Management (ИНЭУ)
44.06.01	Education and Educational Sciences	Theory and methodology of physical education, sports training, recreational and adaptive physical education	Institute of Physical Culture, Sports and Youth Policy (ИФКСиМП)
45.06.01 Linguistics and Literary studies			
45.06.01	Linguistics and Literary studies	Foreign literature	Ural Humanitarian Institute (УГИ)
45.06.01	Linguistics and Literary studies	Russian literature	Ural Humanitarian Institute (УГИ)
45.06.01	Linguistics and Literary studies	Russian language	Ural Humanitarian Institute (УГИ)
45.06.01	Linguistics and Literary studies	Comparative-historical, typological and comparative linguistics	Ural Humanitarian Institute (УГИ)
45.06.01	Linguistics and Literary studies	Theory of Literature	Ural Humanitarian Institute (УГИ)
45.06.01	Linguistics and Literary studies	Language Theory	Ural Humanitarian Institute (УГИ)
46.06.01 History and Archeology			
46.06.01	History and Archeology	General History (of the relevant period)	Ural Humanitarian Institute (УГИ)
46.06.01	History and Archeology	History of international relations and foreign policy	Ural Humanitarian Institute (УГИ)
46.06.01	History and Archeology	National history	Ural Humanitarian Institute (УГИ)
47.06.01 Philosophy, Ethics and Religious Studies			
47.06.01	Philosophy, Ethics and Religious Studies	History of philosophy	Ural Humanitarian Institute (УГИ)
47.06.01	Philosophy, Ethics and Religious Studies	Ontology and cognition theory	Ural Humanitarian Institute (УГИ)

47.06.01	Philosophy, Ethics and Religious Studies	Social philosophy	Ural Humanitarian Institute (УГИ)
47.06.01	Philosophy, Ethics and Religious Studies	Philosophy of religion and religious studies	Ural Humanitarian Institute (УГИ)
47.06.01	Philosophy, Ethics and Religious Studies	Philosophical anthropology, cultural philosophy	Ural Humanitarian Institute (УГИ)
47.06.01	Philosophy, Ethics and Religious Studies	Aesthetics	Ural Humanitarian Institute (УГИ)
49.06.01 Physical education and sport			
49.06.01	Physical education and sport	Theory and methodology of physical education, sports training, recreational and adaptive physical education	Institute of Physical Culture, Sports and Youth Policy (ИФКСиМП)
50.06.01 Art studies			
50.06.01	Art studies	Fine and decorative arts and architecture	Ural Humanitarian Institute (УГИ)
51.06.01 Cultural studies			
51.06.01	Cultural studies	Theory and History of Culture	Ural Humanitarian Institute (УГИ)