



Kazan Federal
UNIVERSITY
INSTITUTE
of Geology and Petroleum
Technologies



**CENTER FOR ADVANCED TRAINING, QUALITY MANAGEMENT
AND MARKETING**

INSTITUTE OF GEOLOGY AND PETROLEUM TECHNOLOGIES

29th in the world in QS Subject Rankings in Petroleum Engineering



Founded in 1804, **Kazan Federal University** is one of the oldest universities in Russia. It has fostered many prominent scientists, public figures, teachers, writers, artists, and actors, such as N. Lobachevsky, N. Zinin, A. Butlerov, E. Zavoisky, L. Tolstoy, I. Simonov, V. Lenin, A. Arbuzov and many others. KFU is internationally renowned for its research in biomedicine and pharmaceuticals, oil extraction, oil refining and petrochemistry, IT and aerospace technologies, advanced materials, social sciences, and humanities. Over the last two years, the University has proven to be one of the leaders in providing education for international students – of which there are over 11,500 as of 2024.

Institute of Geology and Petroleum Technologies (IGPT) is one of KFU's growth points. The Institute provides skills and training in geology, hydrogeology, geophysics, and petroleum engineering. KFU's tradition of geology combines cutting-edge technology

and bicentennial traditions of a classical university. We have organized many world-scale events like International Summer School of Sedimentary Geology, Kazan Golovkinsky Stratigraphic Meeting, International Congress on the Carboniferous and Permian, Thermal EOR conferences, and others. Our Institute has the best laboratory equipment.



Danis NURGALIEV

Vice Rector for Earth Sciences,
Professor, Doctor of Science in Geology and Mineralogy

Our graduates hold senior positions in major respectable geological organizations and are recognized for their professional qualities and competences.

CENTER FOR ADVANCED TRAINING, QUALITY MANAGEMENT AND MARKETING



The Center offers a wide variety of advanced training and professional retraining programs including on-job training both for corporate clients and for private individuals.

How we integrate success into every course

Careful course planning

We offer detailed information and advice to help you choose the programs that are best suited to your demands and career plans. Our courses are designed specifically to meet current business, scientific and professional needs of the clients.

The Center provides training for many of Russia's leading companies, including Tatneft, TNG-Group, Rosneft, Gazprom, Paker, and is continually extending the range of services to meet both evolving and ever-increasing demands. We have provided training to overseas clients from China, Cuba, Vietnam, Kazakhstan, Belarus, and other countries.

Our teaching staff

The Center maintains the highest standards of instruction and is proud of its professional approach and up-to-date teaching methods. The teaching staff have been chosen for their experience, qualifications, and pedagogical professionalism.



Ildus CHUKMAROV

Director of the Center for Advanced Training, Quality Management and Marketing

Facilities

The Center offers unrivalled facilities. Labs and classrooms are fully equipped according to the world's top standards. Our students have access to advanced scientific facilities of the Institute.

You can be sure that your studies will be both fruitful and enjoyable. We are looking forward to our cooperatio

Our offers

The Center for Advanced Training caters to your needs with flexible arrangements for maximum convenience.

- ✓ Course duration – from 16 hours to several months
- ✓ Learning modes – online, offline, combined
- ✓ Formats – lectures, practice sessions, seminars, webinars, individual internships and much more

Among our partners are some of the leading companies of the oil and gas industry in Russia and other countries.



Professional retraining programs

1	Petroleum geosciences
2	Petroleum geology
3	Geology
4	Neural network

Advanced training programs

5	Static geological modelling
6	Reservoir simulation
7	Development and operation of wells using packer-anchor equipment
8	Seismic interpretation
9	Geomechanical modelling during drilling and completion
10	Enhanced oil recovery methods
11	Modern methods of underground and capital repairs of wells
12	Drilling fluids

13	Well operations
14	Applied geological statistics
15	Well logging interpretation (petrophysics)
16	Studies of carbonate reservoirs: sedimentology and secondary changes
17	Processing and interpretation of electrical and acoustic well imagers
18	Geosteering
19	Geomechanics (advanced course)
20	Lithological and facies analysis of oil and gas bearing strata
21	Practical application of neural networks in geology
22	Sequence stratigraphy
23	Seismic facies analysis
24	Modern geodetic technologies in surveys and construction
25	Application of global navigation satellite systems (GLONASS / GPS) in geodesy, cartography and navigation
26	Training in a multidisciplinary team of geoscientists: creating an integrated geological and simulation model
27	Technologies of oil recovery from reservoirs with hard-to-recover reserves
28	SAGD technology for the extraction of high-viscosity oils
29	Decreasing expenses for the maintenance of production wells
30	Corrosion protection of oilfield facilities and equipment
31	Calculation of oil and gas reserves
32	Search and exploration of ore deposits
33	Selection and application of geological and technological measures
34	Calibration of reservoirs and tanks for tank vessels and pipelines
35	Metrological support of measurements of oil, oil products, associated petroleum and natural gas content. Organization of reliable accounting
36	Metrological support of measurements and accounting of petroleum products at oil product supply enterprises
37	Commercial oil operator. Reception, release, storage and transportation of oil and oil products
38	Advanced numerical simulation of thermal methods with air and steam injection for improved recovery of highly viscous oil reservoirs (thermodynamics, chemical reactions, 3D field-upscaling)
39	Modern technologies for the studies of core samples and fluid samples
40	Seismic methods of hydrocarbon prospecting
41	Basin modeling for the forecasting of oil and gas potential
42	Application of catalysts for the production of high-viscosity oils
43	Geological and technological well logging
44	Modern technologies of enterprise management in the oil and gas industry (operational management)
45	Non-seismic methods of hydrocarbon prospecting

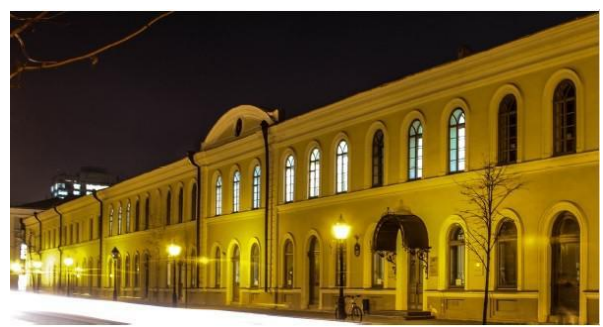
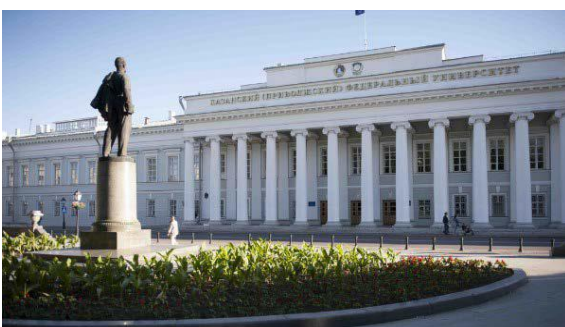
Kazan and Kazan University

Kazan is the capital and largest city of the Republic of Tatarstan, Russia - one of the leading economic, political, scientific, educational, cultural and sports centers in Russia. The city is currently a home for 1.3 million residents and consistently ranks among the best places in Russia to settle in or travel to.

The city's heartland, Kazan Kremlin, is a UNESCO World Heritage Site.



There are over 40 institutions of higher education in Kazan. Over 150,000 students from 100 countries are enrolled in vocational and higher education programs at any one time. Kazan Federal University, founded in 1804, is the second oldest in Russia after Moscow State University. In 2009, KFU received its federal status. With over 52,000 students in three local campuses and two overseas branches in Uzbekistan and Egypt, the University is among the biggest in the nation. There are 12,000 international students, which makes KFU second in Russia in terms of international admissions.



The history of Kazan State University is associated with many renowned figures, like the founder of non-Euclidean geometry Nikolai Lobachevsky, writer Leo Tolstoy, one of the discoverers of the Antarctic Ivan Simonov, founder of organic chemistry Alexander Butlerov, linguistics theoretician Jan Baudouin de Courtenay, discoverer of electron paramagnetic resonance Evgeniy Zavoisky, and first Soviet head of state Vladimir Ulyanov (Lenin).

Geological research began at the University in the early 19th century. Adolph Kupffer, Frederick F. Rosen, Peter I. Wagner and Georgy V. Wulf conducted research in mineralogy, petrography and crystallography.

The research of Carboniferous and Permian of the Volga and Kama Region is linked with the name of Roderick Murchison and his colleagues, who undertook several expeditions in European Russia in 1840 - 1841.

The Kazanian school of geological thought emerged in the 1860s, headed by the first professor of geology Nikolai A. Golovkinsky, the founder of facies studies in Russia.

His follower Alexander A. Shtukenberg worked in Kazan for 30 years and is considered the founding father of local geology.

Shtukenberg conducted the first geological survey of the Kazan province, vast areas of Urals, Volga, Pechora region and the basin of the Kama River. His students Peter I. Krotov, Michael E. Noinsky, and Michael E. Yanishevsky continued to carry out geological, biostratigraphical and hydrogeological studies of the Volga-Kama basin and the Western Urals.

University geologists have made immense contributions to the exploration and development of oil and gas fields of Russia and Tatarstan.

The Faculty of Geology was established in 1949 and renamed as the Institute of Geology and Petroleum Technologies in 2011.

The Institute currently hosts over a thousand students.



CONTACTS

Center for Advanced Training, Quality Management and Marketing

We provide the most favorable environment for studies, leisure, and cultural experience in the 1,000-year-old city of Kazan.

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