

General geology

Study plans for the bachelor's program

Language of instruction – Russian

Career prospects – mineral exploration and production / research / environmental safety

Campus – Kazan

Year 1	Year 2
<p>Chemistry Introduction to the specialization Basics of scientific research Paleontology and stratigraphy Foreign language Fundamentals of Russia's statehood History of Russia Mathematics Physics Physical education Basics of public safety and disaster relief Russian language General geology Geodesy Crystallography IT IT in geology Elective courses Internship</p>	<p>General hydrogeology Physics Mathematics Foreign language Elective courses Structural geology Mathematical methods in geology Probability theory and statistics in geology Geology of minerals Lithology Paleontology and stratigraphy Law and anti-corruption education Geophysics Petrology Mineralogy Geology of fuels Historical geology Engineering geology Basics of crystal optics Advanced studies of structural geology Geology and geochemistry of oil and gas</p>
Year 3	Year 4
<p>General geochemistry Tectonics Elective courses Geographical information systems Mathematical methods in geology Annual thesis Methods of studies of geological materials Petrophysics Geomorphology Methods of search and exploration of mineral deposits Methods of stratigraphic analysis Micropaleontology Igneous petrology</p>	<p>Geology of Russia Environmental geology Basics of geological modelling Mineral genesis Environmental mapping Facies studies Drilling Methods of search and exploration of mineral deposits Engineering geophysics Hydrogeodynamics Rational use of natural resources and environmental protection GIS in oil-bearing capacity forecasting</p>

<p>Methods of studies of minerals, ores and rocks</p> <p>Earth physics</p> <p>Basics of engineering geology</p> <p>Innovative technology</p> <p>Seismic surveys</p> <p>Nuclear geophysics</p> <p>Hydrogeochemistry</p> <p>Combination of geophysical methods</p> <p>Oil field geology</p> <p>Applied methods in hydrogeology and engineering geology</p> <p>Methods of hydrogeological studies</p> <p>Digital technology</p> <p>Geological interpretation of geophysical data</p> <p>Basics of geophysical well logging</p> <p>Numerical modelling of geological filtration processes</p> <p>Legal fundamentals and economics of geological exploration</p> <p>Metamorphic petrology</p>	<p>Soil mechanics</p> <p>Hydrogeology</p> <p>Advanced studies of geophysical well logging</p> <p>Geocryology</p> <p>Nuclear geophysics</p> <p>Digital technology</p> <p>Computer modelling</p> <p>Distance methods of geological and geophysical studies</p> <p>Enhanced oil recovery</p> <p>Statistical data processing</p> <p>Methods of lithological studies</p> <p>Organizing and implementation of geological exploration</p> <p>Geology of Quaternary rocks</p> <p>Techniques of geological surveys</p> <p>Elective courses</p> <p>Pre-graduation internship</p> <p>Graduation thesis</p>
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