

Complex data analysis in geosciences

Study plans for the master's program

Language of instruction – English

Career prospects – geological survey, exploration and production / IT

Campus – Kazan

Year 1	Year 2
<p>Modern problems of economics, organization and management in geological exploration and subsoil use</p> <p>Academic communication</p> <p>Modelling of oil and gas fields</p> <p>Sedimentology and lithostratigraphy</p> <p>Sequence stratigraphy</p> <p>Zonal stratigraphy of the Phanerozoic</p> <p>Mathematical methods in paleontology and stratigraphy</p> <p>Geological statistics</p> <p>Geographical information technologies</p> <p>Chemical stratigraphy</p> <p>Oil and gas recovery</p> <p>Chronological stratigraphy of the pre-Cambrian</p> <p>Hydrodynamic modelling</p> <p>Applied micropaleontology</p> <p>Hydrodynamic well logging</p> <p>Fluid flows in a porous media</p> <p>Contemporary methods of stratigraphy</p> <p>GIS interpretation and seismic surveys</p> <p>Internship</p> <p>Research practice</p> <p>Elective courses</p>	<p>Analysis of sedimentation basins</p> <p>Sequence stratigraphy</p> <p>Geomechanical modelling</p> <p>Advanced studies of geological modelling</p> <p>Enhanced oil recovery</p> <p>Contemporary methods of biological stratigraphy</p> <p>Seismic facies analysis</p> <p>Isotopic geochronology</p> <p>Sedimentological and bio-facies studies of core samples</p> <p>Chronological stratigraphy and the geologic time scale</p> <p>Pre-graduation internship</p> <p>Graduation thesis</p>