

Technologies of oil, gas and natural bitumen

Study plans for the master's program

Language of instruction – Russian

Career prospects – oil and gas industry

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>Petroleum engineering</p> <p>Physical chemistry of hydrocarbons</p> <p>Instrumental methods of oil and oil product studies</p> <p>Technological systems of storage and transportation of gas and gas condensates</p> <p>Engineering of environmental protection and rational use of resources</p> <p>Engineering of gas tanks and technologies of collection, preparation and underground storage of gas and gas condensates</p> <p>Refining of heavy oil and oil residue</p> <p>Processes and equipment of oil chemistry and gas chemistry</p> <p>Production of fuels and effectiveness of fuel use</p> <p>Technologies of industrial engineering of pipelines and storage facilities</p> <p>Oilfield preparation</p> <p>Research practice</p> <p>Computer modelling of hydrogenation processes of heavy oil feedstock processing</p> <p>Storage, transportation, distribution and application of hydrogen and alternative energy carriers</p> <p>Design of gas processing plants and liquefied gas production facilities</p> <p>Design of oil and petroleum product storage and distribution systems</p> <p>Production, transportation and storage of liquefied natural gases</p> <p>Promising technologies for oil and gas equipment protection</p> <p>Internship</p>	<p>Annual thesis</p> <p>Automation of technological processes</p> <p>Processes and equipment of oil refining and gas refining</p> <p>Production of fuels and effectiveness of fuel use</p> <p>Expert evaluation of oil and gas projects</p> <p>Engineering of environmental protection and rational use of resources</p> <p>Refining of heavy oil and oil residue</p> <p>Energy saving and resource saving in oil and gas production, preparation and storage</p> <p>Computer modelling of hydrogenation processes of heavy oil feedstock processing</p> <p>Storage, transportation, distribution and application of hydrogen and alternative energy carriers</p> <p>Design of gasoline and fuel gas compressor installations</p> <p>Gas-liquid energy storage in the power industry</p> <p>Fundamental and applied problems of nonlinear wave mechanics in oil and gas technologies</p> <p>Design of gas processing plants and liquefied gas production facilities</p> <p>Engineering experiments</p> <p>Petroleum and chemical engineering</p> <p>Pre-graduation internship</p> <p>Graduation thesis</p>