

Petroleum engineering – Development of oil and gas fields

Study plans for the bachelor's program

Language of instruction – Russian

Career prospects – hydrocarbon exploration and production / research

Campus – Kazan

Entrance exams and admission thresholds in 2023 (out of 100 points)

Mathematics – 39*

Physics – 39*

Chemistry – 39*

Informatics – 44*

Russian as a foreign language – 40

**only one of the above exams should be chosen
for admission*

Year 1	Year 2
Chemistry Basics of law and anti-corruption studies Probability theory and mathematical statistics Technological processes of oil recovery Foundations of Russia's statehood Foreign language History of Russia Mathematics Physics Elective courses Public safety and disaster relief Physical education Russian language Geology of oil and gas fields Basics of petroleum engineering Mathematical modelling and data processing IT IT in petroleum engineering	Foreign language Engineering graphics Technological processes of oil recovery Basics of petroleum engineering Geology of oil and gas fields Metrology, standardization and certification Chemistry Physics Mathematics Innovation economics and technological entrepreneurship Elective courses Oil field development Hydraulics and hydromechanics of oil and gas Geographical information systems Mathematical modelling and data processing Physics of oil-bearing strata Interpretation and translation in the petroleum industry Organic geochemistry Foreign language in the petroleum industry
Year 3	Year 4

<p>Geology of oil and gas reservoirs Elective courses Basics of oil and gas field treatment Annual thesis Hydraulics and hydromechanics of oil and gas Development of oil and gas reservoirs Engineering of oil recovery Well logging operation Chemical laboratory practicum Oil refinery operation Basics of oil refining Technology of synthetic oil Oil recovery operation Internship</p>	<p>Philosophy Industrial management Oil and gas field development Recovery, storage and transportation of well products onshore and offshore Hydraulics and hydromechanics of oil and gas Development of oil and gas reservoirs Engineering of oil recovery Basics of automation of oil and gas production Basics of modelling of oil and gas recovery Basics of geological modelling of oil and gas reservoirs Basics of well automation Hard-to-recover reserves Contemporary technology of complex recovery of oil and gas resources Modelling and design of technological processes in the petroleum industry Internship Graduation thesis</p>
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