Modern geophysical methods of prospecting and exploration of hydrocarbon deposits

Study plans for the master's program

Language of instruction – Russian

Career prospects – geological survey, exploration and production

Campus – Kazan

Year 1	Year 2
Modern problems of economics, organization and management in geological exploration and subsoil use Academic communication Modelling of oil and gas fields Geology and genesis of oil and gas fields Modelling of oil and gas fields based on combined geological and geophysical data Non-seismic methods of the search and exploration of hydrocarbon deposits Algorithms and technologies of the processing of seismic data Geographic information systems Petrological basics of interpretation of geophysical well logging data Inverse seismic problems Offshore seismic surveys Contemporary technologies of interpretation of geophysical well logging data Monitoring of the development of oil and gas fields Internship Research practice	Modelling of hydrocarbon deposits based on combined geological and geophysical data Monitoring of the development of oil and gas fields Contemporary technologies of interpretation of geophysical well logging data Dynamic characteristics of seismic waves Basics of data processing in remote Earth sensing Geomorphological and space geology analysis Seismic stratigraphy Pre-graduation internship Graduation thesis