

<p>Bachelor's degree program 05.03.01 Geology</p> <p>Degree: bachelor</p> <p>Duration of training: 4 years</p> <p>Form of training: intramural</p> <p>Language of instruction: Russian</p> <p>Accreditation: state</p> <p>The program is implemented by the Department of General and Engineering Geology</p> <p>Program director: Professor, Doctor of Geological and Mineralogical Sciences Khardikov Aleksandr Eduardovich</p> <p>Contact us: Institute of Earth Sciences Southern Federal University room 206, 40 Richard Zorge str., Rostov-on-Don, 344090 Head of the Department: Associate Professor Khansivarova Nadezhda Mikhailovna tel. 89185270954 e-mail: n.Khansivarova@yandex.ru</p>	<p>Program description:</p> <p>Under curriculum we offer training in two directions:</p> <ul style="list-style-type: none"> • Training of geologists, who oriented to work in the North-east of the Russian Federation and engaged in the search, exploration and mining of mineral raw materials, precious metals and gems. • Training of professional personnel in the field of engineering geology and hydrogeology, and engaged in engineering site investigations for construction, groundwater finding, and prediction of dangerous geological processes. <p>Basic courses: General Geology, Historical Geology and Paleontology, Crystallography and Mineralogy, Structural Geology, Geoinformation Systems and Technologies, Geotectonics, Petrography, Lithology, Regional Geology, Geomorphology and Quaternary Geology.</p> <p>Special courses: Laboratory Methods of Studying Minerals, Rocks, Ores, Methods of Exploration of Minerals, Soil Science, Geocryology, Hydrogeology, Engineering Geodynamics, Special Engineering Geology, Engineering, Geological and Hydrogeological Calculations, Methods of Hydrogeological, Engineering and Geological Research.</p> <p>Internship: At the end of the 1st year — educational geological internship with elements of geodesy and topography in the Rostov region. At the end of the 2nd year — students do practical training at the educational internship venue “Belaya rechka”, located in a picturesque place of the Republic of Adygea. At the end of the 3rd year — work experience and pre-graduation internship with a wide range of options:</p>	<p>Prospects and opportunities</p> <p>After graduation from the bachelor's studies (1st stage), graduates can obtain master's degree in 05.04.06 “Ecology and Natural Resource Management” and choose programs:</p> <ul style="list-style-type: none"> • "Engineering, Ecological and Geological Research"; • "Environmental Monitoring of the Geological Environment". <p>Graduates of the department successfully work in geological organizations of Kolyma, Chukotka and Kamchatka, take part in diamond expeditions in Yakutia and Primorye; work abroad (Indonesia, Australia, Sweden, Finland, South Africa and other countries); participate in international marine geological expeditions to the South and Central Atlantic and the Mediterranean Sea.</p> <p>The study of hydrogeology, engineering geology, engineering site investigations for construction will provide the graduates with advantages in employment. In addition, graduates will be able to work as geologists, hydrogeologists in regional and municipal committees on natural resource management, in public administration bodies, public and joint-stock geological enterprises, private firms. “Association of Engineering Surveys in Construction” and “Union of Researchers” coordinate recent graduates.</p>
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