

# Engineering geology and geology of urban territories

Study plans for the master's program

Language of instruction – Russian

Career prospects – civil engineering / environmental protection

Campus – Kazan

| <b>Year 1</b>   | <b>Year 2</b>   |
|---|---|
| <p>Modern problems of economics, organization and management in geological exploration and subsoil use</p> <p>Modelling of oil and gas fields</p> <p>Academic communication</p> <p>Self-development and planning of professional activities</p> <p>Computer modelling in engineering geology</p> <p>Advanced studies of hydrogeology</p> <p>Advanced studies of soil science and soil mechanics</p> <p>Geographic information systems</p> <p>Computer modelling of hydrogeodynamic and hydrogeochemical processes</p> <p>Engineering and reclamation hydrogeology</p> <p>Engineering constructions</p> <p>Design and drilling of hydrogeological wells</p> <p>Geological interpretation of geophysical data</p> <p>Basics of geological mapping</p> <p>Resources of underground water and their evaluation</p> <p>Advanced studies of engineering geodynamics and geocryology</p> <p>Geochemistry of sedimentary processes</p> <p>Elective courses</p> <p>Internship</p> <p>Research practice</p> | <p>Contemporary methods of engineering geology</p> <p>Dynamics and hydrogeochemistry of underground water</p> <p>Computer modelling in engineering geology</p> <p>Shallow-depth geophysical methods</p> <p>Underground utilization of liquid waste</p> <p>Evaluation of flooding on urban territories</p> <p>Geochemical methods of geological exploration of mineral deposits</p> <p>Engineering reclamation hydrogeology</p> <p>Engineering constructions</p> <p>Pre-graduation internship</p> <p>Graduation thesis</p> |