

Early Career Program at Siberian School of Geosciences INRTU

The purpose of the Program is to train professionals in the geological industry instead of graduating people with diplomas and at the same time – staffing of research and production programs of INRTU.

The program provides students with the opportunity to be selected for competitive positions of junior researchers (table) and to work on real geological projects as a part of professional teams earning money, work experience, recognition of the professional community with their own mind, knowledge, and abilities on a permanent paid basis.

The student can move up to higher basic positions as his or her skills improve.

Position	salary per month	Requirements
Laboratory researcher	14 000	Competitive entry position for students, no requirements
Senior laboratory researcher	20 000	Entry requirements: experience in scientific or production work (at least 1 year and 2 projects). At least 1 report at a scientific conference and 1 scientific publication.
Engineer	25 000	Incomplete higher education (at least 3rd year), at least 3 years of experience, 3 scientific publications, 4 reports at conferences, participation in at least 6 projects.

Participation in commercial projects is paid additionally!

The contract is signed for a calendar year. It can be automatically extended for the next year based on the results of the student's performance assessment.

The results of their work are presentations at scientific conferences and publications. This list of results with co-authorship reports on commercial projects forms a CV for a future employer capturing experience and competencies in a verifiable way. The continuous work experience of the best students can reach 4.5 years by the end of their studies at INRTU. This allows them to compete not with other graduates in the labor market for starting career positions but it brings graduates of the program to the level of experienced professionals.

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**SIBERIAN
SCHOOL OF
GEOSCIENCES**



**This is where geological
romance meets the money of
mining companies.**



**SIBERIAN
SCHOOL OF
GEOSCIENCES**

GEOPHYSICS

BACHELOR'S (5 years)

FULL-TIME

**Geophysical methods of pro-
specting and exploration of
mineral deposits**



Geophysical methods of prospecting and exploration of mineral deposits are the only way to "look under the ground" without drilling, to suggest how our planet is structured and where minerals are located at depths of hundreds or thousands of meters. Geophysical methods of searching are based on the study of natural and artificial fields of the Earth, known to all from physics courses - magnetic field, gravitational, natural radioactivity and others. Advanced methods of processing and modeling based on measurements from the surface, air and space allow us to calculate probabilistic 3-D models of the distribution of these properties down to the Earth's core, the existence of which is also assumed from geophysical data. Geophysics is the physics of those who prefer to conduct interesting experiments outdoors.

Graduates are easily employed at partner enterprises after graduation from the University. And during their studies they are given the opportunity to start a geological career working at INRTU itself - starting from the first year.

In most disciplines, students gain a unique experience of practical work.

Students have, in addition to the basic, such disciplines as: general geology, seismic exploration, electrical prospecting, radiometry, logging; and of course - computer modeling of the geological environment, programming and comprehensive analysis of geological and geophysical data.



All students have internships at the unique training facility «Chernorud» on the shore of Maloe More of Lake Baikal, which is world-famous.



Core competencies:

- a fundamental understanding of the physics of the earth;
- ability and skills to use modern geophysical hardware and software complexes to perform engineering surveys, mineral exploration, environmental studies;
- professional knowledge of modern software for processing, analysis and interpretation of geophysical data;
- skills in working with advanced prospecting geophysics methods;
- the ability to make independent decisions in the design and implementation of production work.



Contact us!

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