Land Surface Hydrology

National Research Tomsk State University

Degree or qualification is awarded: **Master's degree**

Language of study: **Russian**
Mode of study: **full-time**
Duration: **2 years**
Availability of free education: **no**
Price: **201 500 RUB per year**

Programme webpage at the university website: http://ggf.tsu.ru/content/intrant/magistracy/magistr-programm/

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The programme offers training of qualified specialists with creative skills in research, management, conservation and recovery of inland water bodies (rivers, reservoirs, lakes, glaciers, swamps etc) given the global environmental changes.

The "Land Hydrology" programme is taught in just 5 Russian universities. There are no other programmes of training in the Urals Region and Western Siberia. The Department has positive image of high-quality education, the image we have built for several decades.

Programme contents

The main subjects of the programme are: Hydrometeorological Information Systems, Mathematical Modeling of Hydrological Processes, Channel and Inundated Processes, Water Balance Research, Prediction of Hazardous Hydrological Events, Hydrometeorological, Engineering and Environmental Research in Territories Development, Basic Water Resource Management, Hydrochemical Basis of Usage and Conservation of Water Bodies. Students perform their research under guidance by teachers of the Department of Hydrology. Students are able to have internships in regional and national centres of hydrometeorology and monitoring of the environment, research institutes and other organizations dealing with studies of the hydrosphere and climate change. Final academic assessment is Master's dissertation defence.

Graduates have the opportunity to continue their studies as PhD-students.

Career

Business, research, project, and teaching activities connected with the study of the atmosphere, inland water bodies, oceans and seas, weather forecasting, and climate change.

Admissions

Admission is competitive, students with Bachelor’s degrees or higher are eligible. The admission tests are an exam in Hydrometeorology and an interview.

Specializations within this programme