



## LEARNING AND STUDENTS

The mission of Irkutsk National Research Technical University is to provide quality, accessible, modern education, transformed through the development of scientific and educational technologies for graduates of a new formation, capable of practical realization of the acquired knowledge in science, production, entrepreneurial activity.

### Academic mobility programs

INRTU students have a unique opportunity to gain [international study experience](#) by participating in internships and short-term exchange programs offered by INRTU exchange international office. Partner universities invite our students every semester for a free exchange semester. In 2022, the students of the School of Architecture, Construction and Design managed to study abroad and gain new knowledge, get new views on the profession and improved their English language skills.

### Online career guidance classes for pupils

INRTU holds various events and online classes for schoolchildren. Thus, the university staff helps the younger generation to decide on their future profession. Participants from the different region schools are invited to the attendance. The most striking events contributing to the accessibility and openness of education were various free [Opportunity fairs](#), joint [online career guidance classes](#) of Alrosa company and INRTU, master classes and open lessons for participants of the [Mendeleev's classes](#).

### INRTU Library

[Scientific and Technical Library of INRTU](#) is one of the largest university technical libraries in the East-Siberian region. The Library is a member and participant of the Russian electronic consortia. Within the Cooperation Agreement the Library has a remote electronic reading room of the Boris Yeltsin Presidential Library. The Library applies advanced technologies in all library processes. The service is based on radio frequency technologies. Free access of readers to the funds of reading

rooms and lending library is realized. More than 100 automated workplaces for independent work of readers with installed specialized licensed software are organized in the reading rooms.

## RESEARCH

### Access to new research databases

In 2022, Irkutsk National Research Technical University is additionally granted [access to new research databases](#) within the framework of centralized (national) subscription:

[Academic Reference](#) / China National Knowledge Infrastructure (CNKI) - a unified search platform of the China National Knowledge Infrastructure project to publish research papers of the People's Republic of China;

[SciFinder-n \(CAS\)](#) / Chemical Abstracts Service - CAS online service for searching and analyzing information for research in chemistry, biochemistry, chemical engineering, materials science, nanotechnology, physics, geology, metallurgy and other disciplines.

[eBook Academic Collection](#), EBSCO is an interdisciplinary collection of more than 210,000 eBooks from leading academic and university publishers. Books from 1913 - 2022 are available.

[eBook Engineering Core Collection](#), EBSCO - A collection of 6,600 eBooks from leading international publishers covering all areas of engineering. Books from 1953 through 2021 are available.

[SAE eJournals](#) - full-text collection of journals from Society of Automotive Engineers International, which covers the following areas: aerospace engineering, automotive/machinery, fuel technology, industrial and manufacturing engineering, modeling, computational mechanics.

### 7 publications in Scopus in 2022

## PUBLIC ENGAGEMENT

### INRTU Network Lyceum project

Participants of the [INRTU Network Lyceum project](#) attended master classes at INRTU as part of the Doors Open Day.

The project involves training in 7 current areas, including engineering, IT, biotechnology, law, technological entrepreneurship, economics and business. Pupils from 8 schools in Irkutsk and Ussolye-Sibirskoe participate in the project

and attend classes at the university on Saturdays. Within free master classes schoolchildren learned how to determine the magnetic properties of materials, promote videos in TikTok, and create computer games in Blender or a bot for Telegram, get acquainted with smart grids, modern radio engineering systems and environmental geophysics, studied basics of entrepreneurship, forensics, law, banking products.



### Free Summer school of Russian language

28 Russian language teachers from Mongolian schools successfully completed the professional development course within the framework of the [INRTU summer school](#) and were awarded the certificates in 2022. The intensive training was free of charge and took place at INRTU Baikal School of BRICS. Mongolian teachers listened to a course of lectures, attended practical classes, and took part in round tables. Within the school, the trainees pumped up their pronunciation skills and learned about the communicative potential of the Russian language. The teachers studied the pedagogical grammar of Russian in comparison with the grammatical structure of Mongolian, as well as the tools of the educational process. A rich cultural program was organized for the guests from Mongolia, during which the students learned the history of Siberia. They got acquainted with the sights of Irkutsk, visited museums, and visited Lake Baikal.



## OPERATIONS

### INRTU trains personnel for industrial partners

INRTU jointly with Irkutsk Oil Company LLC (also INK) is implementing a joint educational project.

Within the project, 63 INRTU students underwent additional professional training with a curriculum and competencies from corporate groups. The 4<sup>th</sup> year students will also receive two diplomas on major and professional retraining. The 3<sup>rd</sup> year students will undergo diploma design with INK specialists and will fully complete their studies after the pre-diploma internship next year. Regular enrollment in the program will begin in the fall of 2022. A similar program is in place to train personnel for the Irkutsk Polymer Plant.



### Digital platform of Open Education Centre

The [digital platform of the Open Education Center "All-Lands Heart"](#) has been launched at INRTU.

The platform is aimed at the linguistic and cultural adaptation of foreign students. The project includes 4 educational info-blocks, 20 online courses. Each unit is scheduled for 36 hours of self-study. The training contains interactive content, video materials that help overcome language and cultural barriers. Free online courses develop the communication skills of foreign students, allow them to see the picturesque nature of Irkutsk region, evaluate the advantages of studying in Eastern Siberia. Future students will learn about the advantages of INRTU, prospects of graduates, INRTU scientific activity, cultural and sports life, the campus key facilities. Each participant of the project successfully completed the training, is given confirming certificate. Almost 250 people from 24 countries have been already interested in the digital platform "All-Lands Heart". Foreign citizens have received over 600 certificates of completion the Russian language course.

