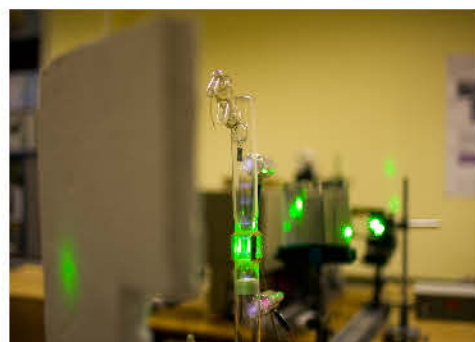




PetrSU
**PETROZAVODSK
STATE UNIVERSITY**





RECTOR'S WELCOME SPEECH

Today, Petrozavodsk State University is recognized as one of the leading universities in the Northwestern Federal District of the Russian Federation.

Our university is rated high as a major research centre in the fields of programming, plasma research, microelectronics, mathematics, physics, medicine, biology, history, philology, political and social sciences, economics, forestry, construction and agro-industrial complexes, using and innovating state-of-the-art technologies.

PetrSU is one of 14 members of the National Arctic Research and Education Consortium which guides the scientific and professional development of the Arctic.

We are implementing major scientific, educational, innovative production projects at the international level and cooperating with well-known Russian and foreign partners, manufacturing corporations.



We are proud of our students. By studying on modern degree programs, conducting scientific research under the guidance of renowned scientists, participating in youth projects, the students of PetrSU become sought-after specialists in the labour market.

Among our graduates there are internationally known academics, ministers, academic and cultural figures, business leaders, industrial, education and health workers.

The focus of our university's activities is the integration of innovations and high-quality education, fundamental and applied science at the global level. To sum up, the Petrozavodsk State University always moves forward.

*Rector of the Petrozavodsk
State University,
Professor A. V. Voronin.*

WHY PETRSU?



Petrozavodsk State University has a rich history. The University was founded in 1940 (until 1956 Karelian-Finnish State University).

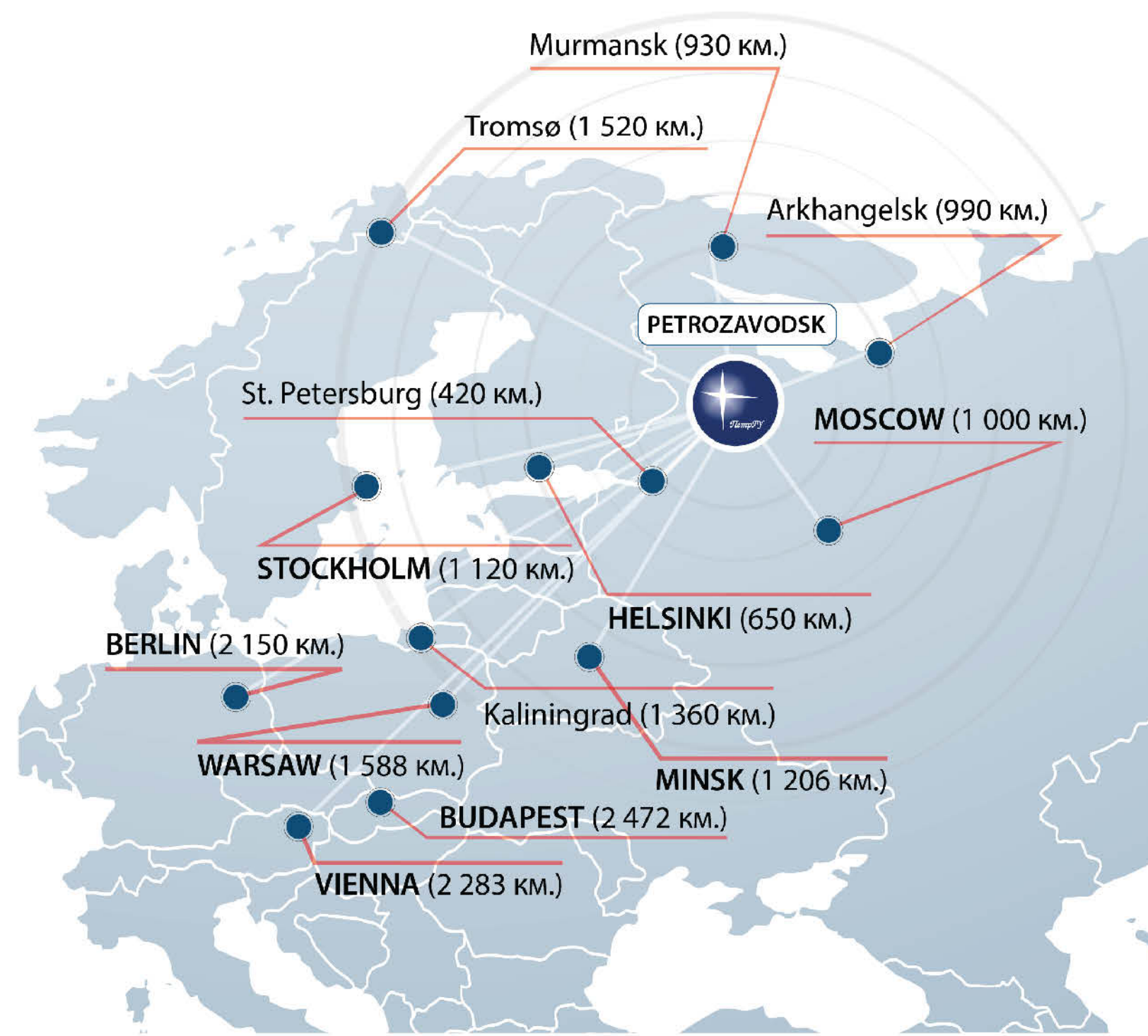
Petrozavodsk State University is located in the heart of Northern Europe, in Karelia.



Today PetrSU is the largest classical university in the European North of Russia, which combines traditions of academic education and fundamental science with innovations and breakthroughs in high technology areas.

PetrSU offers a wide selection of educational programs in three areas of study – natural sciences, humanities and technical education.

The advantageous location of the University in the city of Petrozavodsk allows reaching Moscow, Saint Petersburg, Murmansk, and Helsinki within several hours.





PETROZAVODSK

The favorable location. Geographical coordinates of Petrozavodsk: 61 ° 47'N 34 ° 20'E.

Petrozavodsk is the capital of Karelia, the region with an amazing nature and rich history. The city was founded in 1703, when a weapons factory was built there under the orders of Peter the Great. Petrozavodsk is located on shores of the Onega Lake, which is the second largest freshwater reservoir in Europe.

Today Petrozavodsk is a very beautiful and comfortable city. It is the cultural and scientific center of Karelia.

The Onega lakeshore gives the most vivid impressions. There is an open-air museum with picturesque monuments, which are the gifts of ten sister cities of Petrozavodsk.



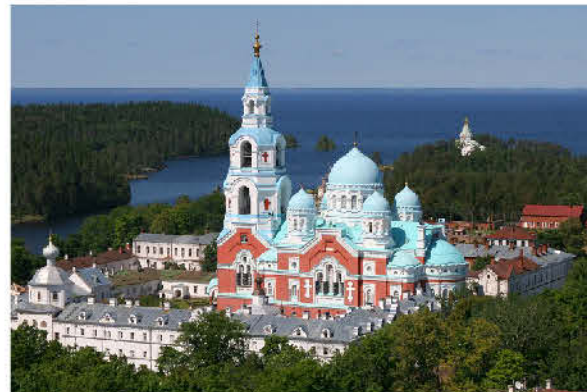
KARELIA

Karelia ranks the 5th among the republics of the Russian Federation for its land area. The land area of Karelia is comparable to Greece or Bulgaria and four times as large as Switzerland, Denmark or the Netherlands.

Karelia is a region with rich history and culture. Here you can see the world-renowned masterpieces of Russian northern culture - Open-Air "Kizhi" Museum, Valaam and the Solovetsky Monasteries.

The nature of Karelia is famous for its lakes, rivers and forests. Karelia is a region of lakes, since there are more than 65,000 lakes, 27 000 rivers and 29 reservoirs. The Ladoga and Onega lakes are the largest ones in Europe.

The unique nature of Karelia is the pride of our region. Picturesque places and climate features encourage active leisure, tourism, and sport. The greatness of national culture and folk traditions are combined here with a high standard of living and modern opportunities.



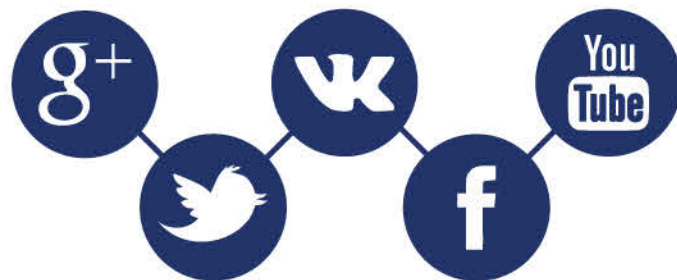


PetrSU NOW

- PetrSU is one of the best classical universities in the European North of Russia. It combines teaching natural sciences and humanities with fundamental science.
- PetrSU is the only university in the world that trains specialists in the Karelian, Veps and Finnish languages.
- PetrSU is the leading international school of programmers' training. PetrSU teams are four times prize-winners of the World Finals of the ACM-ICPC Contest.
- PetrSU holds the International Collegiate Programming Camps.
- PetrSU defines the policy for the development of cage culture fishery in Russia. 70% of lake trout of Russia is produced in Karelia, which contributes to building the brand.
- PetrSU is the Chair of the Association of Finno-Ugric Universities.
- International Research Center Oxide Electronics of PetrSU is the world's leading center for research in the field of development and creation of elemental base and equipment for non-silicon micro and nanoelectronics.
- RealTrac navigation technology developed at PetrSU was named the world's most accurate at the EvAAL-2013 (Evaluating AAL Systems through Competitive Benchmarking) international contest held in Madrid.
- Scientific Library of PetrSU is the largest university library in the Northwestern Russia. The Rare Book Section stores unique manuscripts and printed books, albums, magazines, sheets, postcards, and currency notes.
- The Botanic Garden of PetrSU, located on the slopes of the relic volcano on the Onega lake-shore, is well-known in Russia and abroad for its innovations in the field of information technology. The Garden occupies the area of 367 ha, and has a collection of 1 500 species and cultivars of plants. Parkland area of 37 ha is designed for extension of collections

PetrSU RANKINGS

- The **2**nd place in the Vladimir Potanin Charity Fund independent universities ranking (2016).
- The **5**th place among 182 universities of the Northwestern Federal District in Russian Universities Ranking.
- The **9**th place among the universities of Russia in GreenMetric ranking (2016).
- The **10**th place in the ranking of the leading Russian universities in the development of social communications.
- The **18**th place among Russian universities in the Wikipedia Ranking of World Universities.
- The **18**th place in the ranking of Russian universities in the level of wages of graduates working in IT (2016).
- The **30**th place among universities of Russia in Interfax composite rating (2016).
- The **36**th place among universities of Russia in Webometrics ranking (2016).
- **PetrSU** is ranked among the best universities of the BRICS countries «QS University Rankings: BRICS 2016».



EDUCATION

Petrozavodsk State University offers both intramural and extramural Bachelor, Specialist, and Master Degree programs, as well as postgraduate programs using a wide range of modern educational technologies.

Total number of main educational programs is 220, with internship and residency training programs it amounts to 288. The university implements the multi-tiered system of higher professional education and trains Bachelor of Sciences (4 years), Graduates with Specialist Diploma (5 years) and Masters of Sciences (2 years after completion of the Bachelor Degree).



EDUCATIONAL INFRASTRUCTURE:

- Institute of Biology, Ecology and Agricultural Technologies
- Institute of Foreign Languages
- Institute of History, Political and Social Sciences
- Institute of Forestry, Mining and Construction Sciences
- Institute of Mathematics and IT
- Institute of Education and Psychology
- Institute of Physical Culture, Sports and Tourism
- Institute of Philology
- Institute of Economics and Law
- Institute of Medicine
- Institute of Physics and Technology
- Karelian Regional Institute of Management, Economics and Law
- Faculty of Improvement of Professional Skills
- Preparatory Faculty for International Students



All the academic buildings and laboratories are interconnected by fiber-optic line connected to the Internet (including Wi-Fi). Every student is provided with a workplace with the Internet connection and access to the library collection of the university according to the studied courses.

Petrozavodsk State University is focused on creating favourable environment for studies and work. PetrSU students are actively involved in research and represent the Republic of Karelia at conferences, exhibitions, academic contests and championships.

FIELDS OF STUDY:

- Mathematics and Mechanics
- Earth Sciences
- Biological Sciences
- Information and Computer Science
- Electronics, radio technology, and Communications Systems
- Photonics, Instrument Engineering, Optic and Bioengineering Systems and Technologies
- Electric Power and Heat Power Engineering
- Mechanic Engineering
- Engineering Sciences and Technologies
- Technosphere Safety and Environmental Engineering
- Applied Geology, Mining, Oil and Gas Engineering and Geodesy
- Clinical Medicine
- Agriculture, Forestry and Fishery
- Veterinary Science and Animal Science
- Psychological Sciences
- Economics and Management
- Social Studies and Social Work
- Political Sciences and Regional Studies
- Mass Media and Library Science
- Service and Tourism
- Teaching and Pedagogical Sciences
- Language and Literary Studies
- History and Archeology

SCIENCE

PetrSU is developing into a classical multi-disciplinary university of the European North of Russia that takes the leading role in scientific and engineering support, as well as human resourcing for the social and economic development of the region.

The University participates in various scientific competitions and implements over 150 scientific projects supported by the Ministry of Education and Science of Russia, Russian Foundation for Fundamental Research, Russian Science Foundation, Government of the Republic of Karelia, business companies, and international programs. The University engages in inventive work and patent and license activity.

PRIORITY RESEARCH AREAS:

- **Engineering sciences and high technologies** (Information and telecommunication technologies and nanotechnologies of distributed high-performance computations and systems; mathematic simulation of complex systems; instrument engineering; advanced materials; development of the complex high-resolution diagnostic methods and nanopatterning through high-resolution nanolithography etc.).

- **Sustainable use of natural resources in the European North and Subarctic regions of Russia** (scientific basis for advanced technologies in power industry and energy preservation, logging and woodworking industries, sustainable use of natural resources; development of plasma-chemical technologies for recycling of hazardous and household wastes; emerging technologies of prospection and exploration of natural resources, offshore exploration and extraction of hydrate deposits; geochemical methods of mineral exploration etc.).



- **Medical and biological research** (emerging tools for gene diagnostics of contagious, hereditary, autoimmune, multifactorial and tumor diseases; stem-cell research; new methods of movement and distribution of drugs; development of chemical approaches to targeting DNA and RNA; development of advanced next generation anticancer, antiviral and other drugs; development of technologies of experimental and chemical medicine etc.).



- **Northern European studies** (comprehensive retrospective study of the development of Russian territories bordering the EU as a part of Russian and the world's social, economic, political, and cultural space; intercultural communications; Finno-Ugric languages and culture; appraisal of the geopolitical role of the region in the global world; further studies of the issues of social and economic development, innovation and intellectual properties management; possible ways of cooperation between the region and the countries of the EU).

INNOVATION

Innovation campus of PetrSU: 40 research and academic, and innovation centers, 17 joint laboratories and departments with Karelian Research Center of the Russian Academy of Sciences and enterprises of Karelia, IT-Park of PetrSU, Engineering Center, Students' Business Incubator, 12 innovation and technology centers, 32 small innovative enterprises established by the university, 3 technology areas at the premises of the enterprises of the Republic of Karelia.

Innovation activity is the key area for development of Petrozavodsk State University alongside educational and research activities. The University intends to implement the full cycle of innovation development: fundamental research – applied research – research and development work – commercialization and technology transfer – small innovative entrepreneurship – investment activities.



PRIORITY AREAS FOR INNOVATION DEVELOPMENT AT PETRSU:

- information and communication technologies and nanotechnologies;
- sustainable use of natural resources;
- biomedical technologies;
- training of innovation specialists.

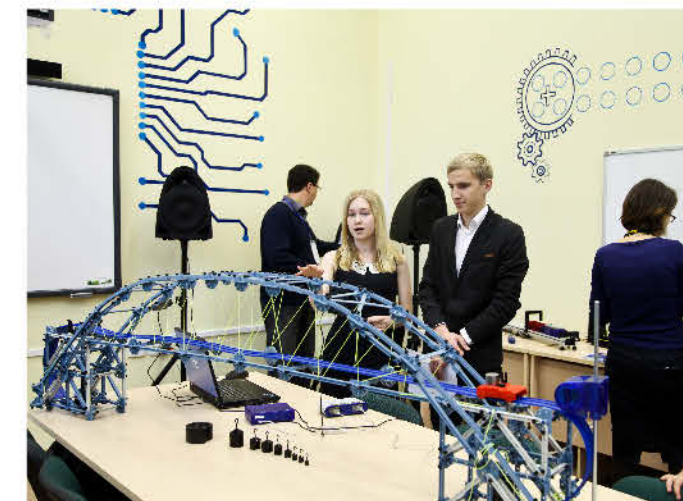
Establishment of the Nanocenter of PetrSU has brought new dimension to innovation research. The Center was created in cooperation with large partners GS Nanotech and "NPO "Digital Television Systems" representing the investment and industrial holding company GS Group. The aim of the Nanocenter of PetrSU is to generate and support small innovative enterprises that are implementing innovative projects focusing on nanotechnologies in the field of oxide nanomaterials and equipment based on these compounds conforming to the highest world standards.

OUR PARTNERS: Ilim Nordic Timber GmbH & Co KG (Wismar, Mecklenburg-West Pomerania, Germany), Nokia, Metso Corporation (Finland), Valmet OY (Finland), Outotec OY (Finland), Rosatom corporation, Concern Tractor Plants, OAO GS-Nanotech, EEN-Russia Consortium and others.

PetrSU is an innovation-driven university. Our mission is to facilitate the region's transition to innovative development through generation of new ideas and technologies, support of initiatives, promotion of high-end technologies, development of production activity of the university, promotion of competitive and requested results of intellectual activity of PetrSU.

CONTACT INFORMATION:

- 📍 Petrozavodsk, pr. Lenina, 31,
- ☎ +7 (8142) 71-32-56
- ✉ oder@petrsu.ru



INTERNATIONAL COOPERATION

Students and teachers of PetrSU regularly participate in international exchange and scholarship programs in the framework of CBU, FIRST, Erasmus+, DAAD, Fulbright, North2North, Stipendium Hungaricum and under agreements of academic cooperation with partner universities.

Currently PetrSU has 89 cooperation agreements with foreign universities and institutes, research centers and international organizations in 30 countries of Central and Northern Europe, Asia and CIS countries.

Every year over 400 international students come to study at PetrSU on degree programs, exchange and short-term programs, pre-university programs and Russian language courses.

Annually PetrSU implements about 30 international educational and scientific projects funded by the EU (TEMPUS, ENPI, Jean Monnet), the Nordic Council of Ministers, DAAD, Swedish Institute, Barents Secretariat and other funds and organizations.

PetrSU places emphasis on the cross-border cooperation with Finland and the countries of the Barents Euro-Arctic region.

PetrSU is a full member of the BEAR Joint Working Group on Education and Research.



NETWORK COOPERATION:

- UNESCO
- Association of Classical Universities of Russia
- International Association of Finno-Ugric universities
- Joint Working Group on Education and Research of the Barents Euro-Arctic Region
- University of the Arctic
- Association of Open Innovations FRUCT
- Barents Peace Education Network

LINGUISTIC CENTER OF PETRSU:

1. **Foreign Languages School** (English, German, French, Finnish, Swedish, Norwegian, Danish, Spain, Italian, and Chinese language courses; preparation for TOEFL and TOLES).

2. **Russian as a Foreign Language and Testing Center** (tests for enrollment to Russian universities and Business Russian courses).

3. **International testing** TOEFL, TOLES, TORFL.

INTERNATIONAL UNITS:

DEPARTMENT OF ACADEMIC MOBILITY

- ✉ interdep@petrsu.ru
- 📍 Petrozavodsk, ul. Anokhina, 20 (academic building No.1), room 405
- ☎ +7 (814-2) 78-41-69

DEPARTMENT OF INTERNATIONAL PROJECTS AND PROGRAMS

- ✉ interproject.petrsu@gmail.com
- 📍 Petrozavodsk, ul. Anokhina, 20 (academic building No.1), room 406
- ☎ +7 (814-2) 71-96-14

LINGUISTIC CENTER

- ✉ lingvoptz@gmail.com
- 📍 Petrozavodsk, ul. Anokhina, 20 (academic building No.1), room 412
- ☎ +7 (814-2) 76-58-35, +7 (814-2) 78-26-68

PREPARATORY FACULTY

- ✉ prepf@petrsu.ru
- 📍 Petrozavodsk, pr. Lenina, 33 (main building), room 432
- ☎ +7 (814-2) 71-10-87

STUDENT'S LIFE

Petrozavodsk State University pays great attention to cultural and esthetic education of its students. In order to broaden cultural horizon, develop creative approach and adopt the universal human values, students join art groups and studios of the university. Creative activities are coordinated by the Art Laboratory established at PetrSU.

PetrSU has the Academic Choir and folk music group "Toive", which are widely known not only in Karelia, but in Russia and abroad. The university also hosts various drama groups.

The Academic Choir of PetrSU is one of the most renowned and honoured Russian choirs. Among the members of the choir are the students and teachers of the university.

Creative work of the folk music group "Toive" facilitates the preservation of the cultural heritage of the Finno-Ugric peoples.

Petrozavodsk State University promotes healthy lifestyle and encourages students to take up track-and-field, skiing, volleyball, basketball, sports orienteering, sambo, swimming in the Onega swimming pool, hiking and trekking with the tourist club "Sampo", and many other sports and recreation activities. The university also has sanatorium and recreation facilities in Shotozero and Urozero.

- Academic Choir
- Ensemble "Jeans-kantele"
- Little theater "TIS"
- Theater "BEST"
- Theater "Mirakl"
- Dancing group "Timez"
- Dancing club "Ragtime"
- Cheerleading
- Students' Sports Club (25 sports sections)
- Tourist club "Sampo"





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