



# VOLOGDA STATE UNIVERSITY



2015



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Vologda State University is a renamed Vologda State Technical University that integrated into its structure Vologda State Pedagogical University. As a classical university it provides a wide range of specialties and scientific potential.

## **HISTORY**

Vologda State Technical University (VSTU) was founded in 1966 as a branch of North-Western Polytechnic Institute. In 1975 it was reorganized into the Vologda Polytechnical Institute. In 1999 the Institute was given the rank of a University and the name of Vologda State Technical University.

VSTU is a located in the North-Western region of the Russian Federation. VSTU is a distinct educational institution in the region. Currently VSTU has a student body of 12 500. The University is recognized abroad and since 1996 has been accepted in the International Association of Universities.

### ▲ **ACADEMIC YEAR STRUCTURE**

2 semesters starting in September and February

### ▲ **LANGUAGE OF TRAINING** Russian

## **BACHELOR DEGREE PROGRAMS (4 years)**

### **Power Engineering Faculty**

- Power and Electrical Engineering
- Bioengineering Systems and Technologies
- Engineering Systems Control
- Computer Science
- Information Systems and Technologies
- Software Engineering



### **Faculty for Industrial Management and Innovative Technologies**

- Management
- Service
- Mechanical Engineering
- Technological machines and equipment
- Design and Technology Support in Mechanical Engineering Industry
- Operation of Transport and Technological Machines and Systems
- Automation of Technological Processes and Production
- Innovation Studies

### **Faculty of Civil Engineering**

- Restoration
- Heat Power Engineering
- Architecture
- Construction



### **Faculty of Ecology**

- Ecology and Environmental Management
- Land Use and Cadastre
- Construction
- Environmental Engineering and Water Resources Management
- Technosphere Safety

## Faculty of Economics

- Economics
- Management
- State and Municipal Management



## Faculty of Humanities

- Linguistics (Translation)
- Sociology
- Management
- Tourism
- Hotel Management

## Faculty of Correspondence and Distance Learning

- Economics
- Management
- State and Municipal Management
- Power and Electrical Engineering
- Design and Engineering Support for Machinery Production
- Operation of Transport and Technological Machines and Systems
- Engineering Systems Control
- Computer Science
- Information Systems and Technologies
- Environmental Engineering and Water Resources Management
- Technosphere Safety

## **SPECIALIST DEGREE PROGRAMS (5 years)**

### **Faculty of Civil Engineering**

- Construction of Unique Buildings and Structures
- Construction, Service, Renovation and Technical Protection of Roads, Highways, Bridges and Tunnels

## **MASTER'S DEGREE PROGRAMS (2 years)**

### **Power Engineering Faculty**

- Power and Electrical Engineering
- Information Systems and Technologies
- Computer Science
- Software Engineering
- Engineering Systems Control

### **Faculty for Industrial Management and Innovative Technologies**

- Mechanical Engineering
- Management
- Automation of Technological Processes and Production

### **Faculty of Civil Engineering**

- Construction
- Heat Power Engineering

### **Faculty of Ecology**

- Construction
- Technosphere Safety
- Ecology and Environmental Management

### **Faculty of Economics**

- Economy
- Management

### **Faculty of Humanities**

- Management
- Linguistics

# PEDAGOGICAL INSTITUTE

## Bachelor Degree Programs

- Applied Mathematics and Computer Science
- Biology, Bioecology
- Geography
- Jurisprudence
- Journalism
- Culture Studies
- Social Work
- Philology
- Psychology and Pedagogics
- Management
- Tourism
- Ethnomusicology
- Pedagogical Education in Various School Subjects  
(Teaching of History, Russian Language and Literature, of Foreign Languages, Music, Sports, of Geography, Biology, Mathematics, Physics, Informatics etc.)



## Master's Degree Program

- Applied Mathematics and Computer Science
- Biology
- Social Work
- Pedagogical Education in Various School Subjects
- Psychology and Pedagogics



## Faculty of Correspondence Learning

### Bachelor Degree Programs

- Jurisprudence
- Adaptive Physical Education
- Social work
- Pedagogical Education in Various School Subjects
- Psychology and Pedagogics
- Management

## SCIENTIFIC ACTIVITY

Vologda State University is one of the leading scientific and educational centers in the North-West of Russia. In our academic staff there are more than 360 highly skilled experts, including about 30 doctors of sciences and professors. The University conducts training of students and post-graduate students at on the basis of the advanced scientific achievements.

### **Active scientific research is conducted in the following fields:**

- Social and economical tendencies in Russian Federation
- Development of expert and training computer systems
- Management of enterprises and its branches in the sphere of economy
- Modeling of physical processes
- Structure of molecules and chemical ties for development of highly effective technologies of highways construction and their stability against frost deformations
- Durability of building constructions and materials
- Methods of calculation of buildings and constructions
- Methods of solving geodynamic problems of nuclear station's and strategic object's stability
- Research and creation of new semi-conductor materials for electronics; problems of transformation of the solar energy into electrical
- Control system of technological processes and technical objects on the base of microprocessor engineering
- Methods used in powder metallurgy
- Problems of designing and durability of machines and mechanisms
- Development of effective technologies and means for studded automobile tires production
- Protection of metal designs and structures from corrosion
- Development of effective technologies of water supply and recycling of liquid and firm waste from manufacturing and consumption
- Cosmogony of small bodies of the Solar system
- Biodiversity of flora and fauna of the region. Conservation of Biodiversity
- Monitoring of natural objects
- History of Civilizations
- History of the Russian North
- History of Orthodoxy of the Russian North
- Evolution of the ways and forms of perpetuation of religious and ethno-cultural values of the European North of Russia. Study of traditional folk culture
- Study of folklore and dialects of the Russian language
- Psychological support of the educational activities

## **INTERNATIONAL COOPERATION**

International cooperation is conducted in the following spheres:

- Educational exchange programs for students
- Scientific research programs for academic staff
- Guest lectures and workshops of the foreign specialists for student and teachers
- Participation in the international programs and projects
- Educational programs and practical training for foreign students

VSTU cooperates with universities and high schools of Germany, France, Austria, Hungary, Kazakhstan and Ukraine in the spheres of academic exchange. Foreign professors from partners' universities regularly visit VSTU for lecturing, giving various practical and theoretical courses for students and teaching staff, taking part in scientific seminars, workshops and conferences. Foreign students undertake practical training at our University and participate in joint research projects, scientific seminars and conferences.

## **WE OFFER THE FOLLOWING AREAS AND FORMS OF COOPERATION:**

- exchange of lectures;
- working-out joint bachelor's or master's degree programs;
- joint scientific research;
- joint symposia, scientific conferences and seminars;
- joint summer schools for undergraduate and post-graduate students as well as for the young university teachers;
- exchange education or study placement in the partner institution (for the period varying from one month to one semester );
- exchange of student groups to explore the university and the region (7-10 days , accommodation in the families of students);
- various levels of Russian language summer courses with excursions in Vologda region, Moscow and St. Petersburg.



## ADDRESS

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**Rector – Prof. Dr. Leonid I. Sokolov**





**Rector**

**Prof. Dr. Leonid I. Sokolov**

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- Applied Mathematics and Computer Science
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