



CENTRE OF FOREIGN STUDENTS' EDUCATION

Nowadays the university enjoys a student community from 30 countries: Syria, Lebanon, Iraq, Tunisia, China, Pakistan, Bangladesh, Turkey, Jordan, Yemen, Morocco, Cameroon, Congo, Zambia, Tanzania, Colombia, Poland, Egypt, Ecuador, Serbia, Czech. Preparatory courses start on the 1st October and admission to the preparatory department takes place during the whole academic year.



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**Thank you for your attention!
Welcome to NNSTU n.a. R.E. Alekseev!**



THE BASIC UNIVERSITY

**NIZHNY NOVGOROD
STATE TECHNICAL
UNIVERSITY
n.a. R.E. ALEKSEEV**

NNSTU MISSION

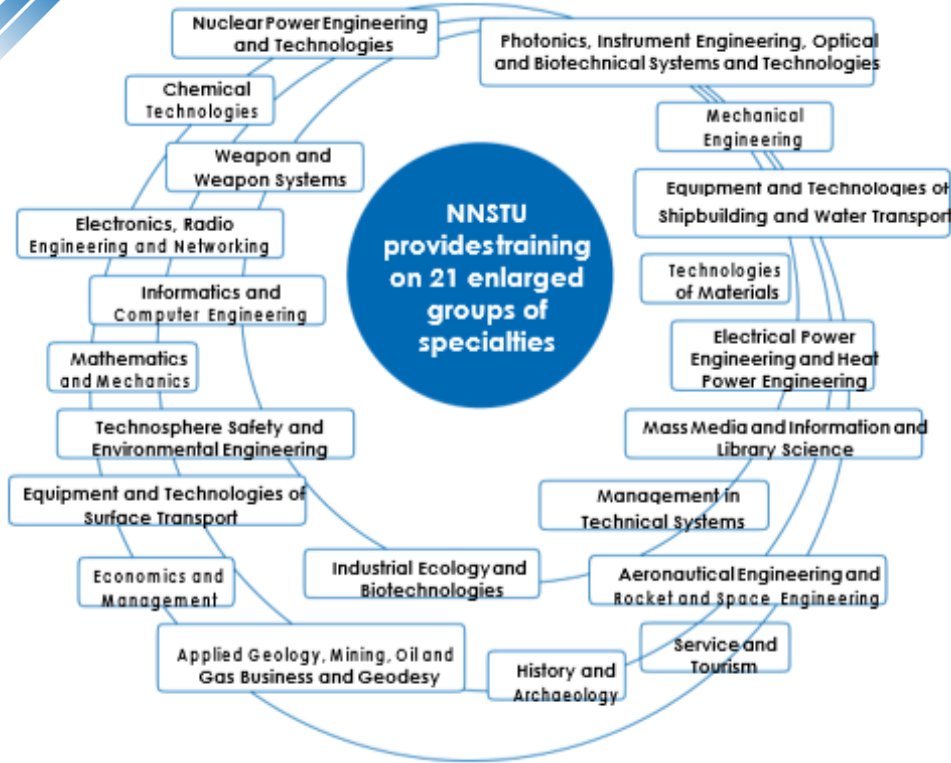


To train engineers and scientists for the industry of Russia and the Nizhny Novgorod region.
To carry out basic and applied scientific innovative research aimed at creating and performing knowledge-intensive developments in the sphere of technology and engineering.
To establish the adaptive and developing innovative educational and scientific environment to supply the military-industrial complex of the Nizhny Novgorod region with professional engineers and scientists.

NNSTU STRATEGY

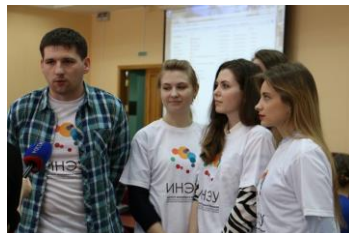
To develop the multi-level system of engineers and scientists' training by modernizing of laboratory and experimental facilities, implementation of new educational programs, forms and techniques.
To establish the system of organizational and methodical support of innovative educational programs.
To ensure NNSTU development as the innovative research university through integration of educational and scientific activities.

The purpose of the modern university is to be the integrator of scientific, educational and social activities in the region. Nizhny Novgorod State Technical University has already done a lot in this direction: the university not only prepares engineers for the leading enterprises of the region according to their specific needs, but also successfully cooperates with them in the field of research and development.



Institute of Economics and Management

In 2012 Educational and Research Institute of Economics and Management was created on the basis of two faculties: Faculty of Communicative Technologies and Faculty of Economics, Management and Innovations. Institute of Economics and Management is the most modern institute of NNSTU. It is considered one of the most prestigious educational institutions of the economic profile in Nizhny Novgorod. It is chosen by initiative, energetic and focused on success future professionals.



Institute of Economics and Management

01.04.02 «Applied Mathematics and Computer Science», master degree program
«Programming and system analysis»

Graduates of the program will be able to operate with modern information and communication technologies for collecting, processing and analyzing various types of data (information). They will also get the necessary skills to test the software quality and will be able to use the software to solve professional problems in various fields.

Special skills will be acquired in the field of applied and computer mathematics. Special skills will be acquired in the field of applied and computer mathematics.

General characteristics of the educational program: 120 ECTS credits, full-time study for 2 years, Master's Degree.

Applicants are required to have Bachelor's.

An academic year consists of 2 semesters, one beginning on 1st September and the other – on 10th February, winter holidays for 2 weeks, summer holidays for 2 months (July, August). Master's Thesis defense is scheduled in June.

Subjects studied in this program:

- Modern problems of applied mathematics and computer science
- A foreign language
- Philosophy and Methodology of Science
- Generalized solutions of differential equations
- System software
- Nonlinear dynamics
- Modern computer technology
- Modern business planning technology
- Legal support of information activities
- Mathematical methods for economic forecasting
- Modern methods of mathematical simulation
- Decision making theory
- Fundamentals of research organization and computer science
- Mathematical modeling of control systems
- Adaptive time series filtering economics
- Internet design Start Up
- Information Management

27.04.06 «High Tech Industries Organization and Management», master degree program
«Knowledge-based entrepreneurship»

The professional activities of graduates include: high-tech products life cycle management; high-tech enterprises quality management; high-tech products and high technologies marketing; entrepreneurship in the field of high-tech products; engineering firms organization; organization and management of high-tech enterprises investment activities.

The educational program characteristics are: 120 credits, full-time study for 2 years (teaching is conducted in English) and master's degree.

Requirements for applicants: specialized bachelor's degree is a must.

The academic year consists of 2 semesters starting on September the 1st (fall semester) and February the 10th (spring semester), winter holidays for 1 week, and summer holidays for 2 months (July, August). Defense of master's thesis is scheduled at the end of June.

The program includes the following subjects:

- Basics of entrepreneurship in the field of science-intensive/knowledge-based and high-tech products
- Philosophy and methodology of science
- Valueology
- Psychology of technical creativity
- Basics of research organization in the field of high-tech industries
- Management accounting in high-tech industries
- Controlling of high-tech industries
- Business foreign language
- Methods of management decision-making in high-tech industries
- Foreign language in the professional sphere
- Modern technologies of business planning
- Life cycle management of complex engineering objects
- Human resources management technologies in high-tech industries
- Organization of science-intensive production teams work
- Technology marketing
- Marketing research of high-tech products
- Modern information technologies in the management of high-tech industries
- Project management of complex engineering objects
- Knowledge management system
- Feasibility study of scientific and technical development projects
- Projects organizational and economic justification in the field of science-intensive production technological preparation
- Risk management in the life cycle of knowledge-intensive products
- Management of high-tech industries organizational and economic stability
- Quality management in high-tech industries
- The tools of lean manufacturing