

**Teacher, working in the present, it raises the future.
Engineer — profession of the future**



**Invite foreign citizens to enter the
engineering-pedagogical faculty!**

Faculty is part

Belarusian national technical University.

The engineering and pedagogical faculty may receive persons who have General secondary education or vocational education with General secondary education or secondary special education, confirmed by the relevant document on education.

Admission to training of foreign citizens with the necessary level of previous education is carried out on payment terms in accordance with the contract concluded by BNTU with foreign citizens. A necessary condition for admission of foreign citizens and individuals without citizenship on training is the availability of the document proving the identity, the corresponding visa and the obligatory health insurance contract, issued in the procedure established by the legislation of the Republic of Belarus.

**More detailed information can be obtained at:
<http://www.bntu.by/oig-poryagok-priema.html>**



Departments

"Vocational training and pedagogy»

"Technology and methods of teaching»

carry out training of foreign citizens in the second stage of higher education (master's degree) in the direction of scientific research 1-08 80 08 " Scientific and pedagogical activity»

Scientific adviser

IVASHCHENKO SERGEY, doctor of technical Sciences, Professor. Dean of the faculty of engineering and pedagogy.

Areas of research:

- technology of forming and processing of protective and decorative coatings;
- theory and practice of engineering and pedagogical education.

KRAUCHENIA EDUARD, candidate of physical and mathematical Sciences, associate Professor. Head of the Department of Vocational training and pedagogy, faculty of engineering and pedagogy, Belarusian national technical University.

Areas of research:

- learning tools in teacher education:
 - communication of pedagogical technology with information;
 - problems of preparation and publication of electronic textbooks on the subject;

- scientific approaches to the problem of creation of educational sites, manuals, educational and methodical complexes;
- issues of organization and control of students' knowledge, module-rating system of training.
- problems of engineering and pedagogical personnel training:
 - methods of teaching students the use of information technology in the educational process;
 - scientific approaches to the creation of an electronic textbook at the University;
 - development of modern educational systems of virtual learning;
 - information resource and research activities of the student as a means of improving the level of special training of the engineer-teacher.

DZIRVUK YAUHENI, candidate of pedagogical Sciences, associate Professor. Associate Professor of the Department of Vocational training and pedagogy, faculty of engineering and pedagogy, Belarusian national technical University.

Areas of research:

- history, problems, prospects of engineering and pedagogical education as a socio-cultural phenomenon;
- formation of engineering and pedagogical culture of students at the technical University;
- theory and methods of industrial training;
- designing didactic scenarios of modern industrial training lessons in vocational education institutions.

KANASHEVICH TATSIANA, candidate of pedagogical Sciences, associate Professor. Associate Professor of the Department of Vocational training and pedagogy, faculty of engineering and pedagogy, Belarusian national technical University.

Areas of research:

- theory and methods of training and education (mathematics), continuity of levels and stages of education;
- monitoring and forecasting the quality of education;
- monitoring the quality of education;
- effectiveness of training activities;
- evaluation and forecasting of the effectiveness of training activities;
- problems of engineering and pedagogical personnel training;

- modern technologies in training.

YAKUBEL HENADZI, candidate of pedagogical Sciences, associate Professor. Associate Professor of the Department of Vocational training and pedagogy, faculty of engineering and pedagogy, Belarusian national technical University.

Areas of research:

- theory and methodology of training and education (students and youth);
- professional education as a system and object of pedagogical management. Formation of professionally important and socially significant personal qualities of future specialists in the institution of professional education;
- development of future specialist's individuality;
- pedagogical technologies of development of intellectual and creative potential of the future specialist;
- pedagogical support of the process of personal and professional self-improvement of teachers in the institution of professional education;
- educational aspects of vocational training;
- educational work with students of deviant behavior in the institution of vocational education;
- interdisciplinary connections in the process of training.

GONTCHAROVA EVGUENIA, candidate of pedagogical Sciences, associate Professor. Associate Professor of the Department of Vocational training and pedagogy, faculty of engineering and pedagogy, Belarusian national technical University.

Areas of research:

- music pedagogy, pedagogy, professional pedagogy, theory and methods of education;
- profiling training, pedagogy of individuality;
- personality-oriented education: theory and practice of implementation in professional training;
- development of individual creative potential of teachers and students in the system of vocational education;
- personal and professional development of the teacher in the conditions of professional education;
- art pedagogy as a new scientific direction in the structure of professional school teachers training;
- aesthetic development of the future teacher of professional school;
- transprofessional as a new trend in specialist training.

**DROBYSH ALIAKSEI, Ph. D., associate Professor, head of the Department
"Technology and methods of teaching".**

Areas of research:

- materials science, development of composite materials;
- theory and methods of teaching special subjects;
- programming, creation of electronic educational publications.

**PETIUSHIK YEVGENY, Ph. D., Professor, Professor, Department of
"Technology and methods of teaching".**

Areas of research:

- materials science, powder metallurgy and composite materials;
- theory and methods of teaching special subjects;
- programming, creation of electronic educational publications.

**AZAROV SERGEI, Ph. D., associate Professor of the Department
"Technology and teaching methodology".**

Areas of research:

- materials science, powder metallurgy and composite materials,
development of filters for liquids and gases;
- theory and methods of teaching special subjects;
- programming, creation of electronic educational publications.



The cost of training in the master's program of BNTU in the specialty

1-08 80 08 " Scientific and pedagogical activity»

is 1650 \$

Department

"Vacuum and compressor technology»

provides training of foreign citizens in the second stage of higher education (master's degree) in the direction of scientific research 1-36 80 02 " Innovative technologies in mechanical engineering»

KOMAROVSKAYA VICTORIA, candidate of technical Sciences, associate Professor, head of the Department "Vacuum and compressor engineering".

Areas of research:

- vacuum and vacuum-plasma technologies of formation of protective layers to improve the physical, mechanical and operational properties of products;
- design of vacuum equipment for various technological purposes.

Tramps Mikhail N., candidate of physico-mathematical Sciences

Areas of research:

- research and development of equipment and technology of plasma chemical and thermal treatment-ion nitriding, cementation and nitrocarburizing.

DANILCHYK SIARHEI, candidate of technical Sciences, associate Professor

Areas of research:

- chip breaking when turning structural steels with asymmetric vibrations on the cutting tool

POKROVSKY ARTHUR, candidate of technical Sciences, associate Professor

Areas of research:

- development of technologies and equipment for hydropressing and pulse hydropercussion stamping of sheet materials;
- modeling processes for hydroforming (pressing and stamping through the hydraulic environment) for the purpose of receiving various parts from sheet and tubular blanks.

LATUSHKINA SVETLANA, candidate of technical Sciences, associate Professor

Areas of research:

- vacuum and vacuum-plasma technologies of formation of protective layers to improve physical, mechanical and operational properties;
- the processes of formation and directional changes of material properties of the surface layers of parts by the methods of surface engineering, including the application of coatings and surface alloying;
- development of physico-chemical and physico-mechanical processes of formation of new materials with unique functional, physico-mechanical, operational and technological properties;
- theoretical and experimental studies of the fundamental relationships of the composition and structure of coating materials with a complex of physical, mechanical and operational properties in order to ensure the reliability and durability of materials and products.

ASTASHINSKY VALENTIN, doctor of physical and mathematical Sciences, corresponding member of NAS of Belarus

Areas of research:

- plasma physics and plasma accelerators;
- vacuum-plasma methods for modification of material properties.

VEGERA IVAN, candidate of technical Sciences, associate Professor

Areas of research:

- materials science of structural and high-strength steels and alloys;
- technology of creation of functionally gradient materials using thermal processing and high-energy impact;
- technology laser processing of materials;
- study of the kinetics of structural and phase transformations in metals and alloys under different thermal processes.
- programming, creation of electronic educational publications.



The cost of training in the master's program of BNTU in the specialty

1-08 80 08 " Scientific and pedagogical activity»

is 2650 \$