

The Faculty of Physics is the oldest at our university. It dates back to 1930 when agro pedagogical institute was formed. In 1933 the institute was renamed to Chkalov Gomel pedagogical institute and since 1969 it has become a university. That very year the faculty of physics, being originally a part of physics and mathematics faculty, became an independent structural unit of Gomel State University.

Computers are contained in one university and three faculty computer classrooms; more than 150 computers are integrated into the local network. Besides, there are three computer classrooms at ASIP department. The department of General Physics and the Department of Theoretical Physics have their own computing laboratories. Training laboratories of the faculty are provided with high-technology equipment.



Dean of the faculty
Candidate of Physical and Mathematical Sciences (PhD),
Docent
Nikitjuk Yuri V.

Vice-Dean
Candidate of Physical and Mathematical Sciences (PhD),
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Educational process is provided by:

- ***More than 90 lecturers including:***
 - ***2 corresponding members of Belarus National Academy of Science;***
 - ***10 PhD;***
 - ***30 candidates of science;***
 - ***32 engineers and assistants***

The faculty includes:

- ***5 departments;***
- ***8 research laboratories;***
- ***2 student creative societies;***
- ***5 student research laboratories;***
- ***1 student design department.***

More than 800 students study at the faculty of physics, about 300 of them – by contract basis.

The Ministry of Education of the Republic of Belarus



**Educational Institution
«Francisk Skorina Gomel State
University»**



The Faculty of Physics

PRINCIPLES OF EDUCATION

- **Fundamentality** – profound background within classical physics and mathematics education
- **Participation in research** - an important component of educational process
- **Practical value** – intensive applied training in chosen speciality

INTERNATIONAL COOPERATION

The faculty has scientific and technical contacts with the following foreign scientific centers:

- Stockholm University (Sweden);
- JINR(Russia);
- Shizuoka University (Japan);
- Nanjing University (China);
- Korean institute of industrial technology, Inha University (The Republic of Korea);
- The University of Berg (Germany);
- Trzebiatowski institute of low temperatures and structural research (Poland);
- The Institute of Surface Chemistry of the National Academy of Sciences of Ukraine (Ukraine);
- Research centre aimed at condense matter studies (Ensenada University, Mexico)

Among the graduates of the faculty are:

- 3 corresponding members of Belarus National Academy of Science;
- 3 heads of institutions of higher education;
- 1 director of the Research Institute as a part of Belarus National Academy of Science;
- 7 vice-chancellors of institutions of higher education;
- Managers and leading experts of numerous enterprises, head masters and successful businessmen

SPECIALITIES AND SPECIALIZATIONS

At faculty the students are trained in four specialities: «Physics» (research and pedagogical work, industrial work, management), «Physics. Technical creativity», «Physical electronics», «Automated systems of information processing».

The largest speciality is the *speciality "Physics"* which trains students in four specializations: *"Computer modeling of physical processes", "New Materials and Technologies", "Laser Physics and Spectroscopy", "Physical metrology and automation of the experiment."* At the end of the course students according to the direction of their training get qualification *"Physicist. Engineer", "Physicist. Lecturer of physics and information science" or "Physicist. Manager"*.

The Department of General Physics trains students in speciality *"Physics. Technical creativity"*. Having obtained it graduates have a right to lead the research and group work of students in out-of-school educational institutions. After graduation students get the qualification of *"Lecturer of physics. Lecturer- organizer of technical creativity."*

The Department of Radio Physics and Electronics provides training *«Physical Electronics»* with specialization *«Medical Electronics»*. According to the specialization students are trained as specialists in engineering, operation and maintenance of complex radio electronic and medical equipment. After graduation students get the qualification of *«Physicist. Engineer»*.

The Department of ASIP trains students in speciality *«Automated systems of information processing»* with specialization *«Automated system of data processing and displaying»* or *«Corporate networks and systems»*. After graduation students get the qualification of *«Engineer of Information Technology»*.

ADMISSION PROCEDURE PECULARITIES (year 2012)

The list of entrance examinations:

Physics (CT);
Mathematics (CT);
Belarusian or Russian (CT)

Applicants' passing score (2012):

SPECIALITIES	U	R
Physics (research and pedagogical work)	81	81
Physics (industrial work)	159	156
Physics (management)	149	149
Physics. Technical creativity	88	88
Physical Electronics	138	138
Automated Systems of Information Processing .	201	131

U - urban
R - rural

Graduates' sphere of activity

- Education;
- Science;
- information technologies;
- semiconductor devices, integrated circuits, micro and nano-dimensional systems production;
- the development of new technologies and materials;
- computer-aided simulation and analysis of technological processes;
- technological process (production) organization and management