Belarusian State Academy of Communications

➢License for educational activity № 02100/279

➢Education Establishment founded on May 11, 1993.

➢The quality of services offered by the Academy is in the conformity with the STB ISO 9001-2015 certificate.

Conditions for Training and Accommodation

Lecture rooms and laboratories are located in 3 blocks (2 of them are located in the city of Minsk and 1 is located in the city of Vitebsk - the Vitebsk branch of the academy).

The following is available to our students:

- ✓ 4 campuses (1-4 students can accommodate in these study bed-rooms);
- ✓ 3 dining-rooms;
- ✓ 3 libraries;
- ✓ television and radio work shop;
- ✓ lecture rooms with computers connected to the Internet;
- ✓ linguistic park;
- ✓ training ground;
- ✓ sporting hall;
- ✓ fitness hall;
- ✓ gymnasium.

There are more than 400 000 books, brochures and periodicals in the libraries. The academy electronic library is also available to students.
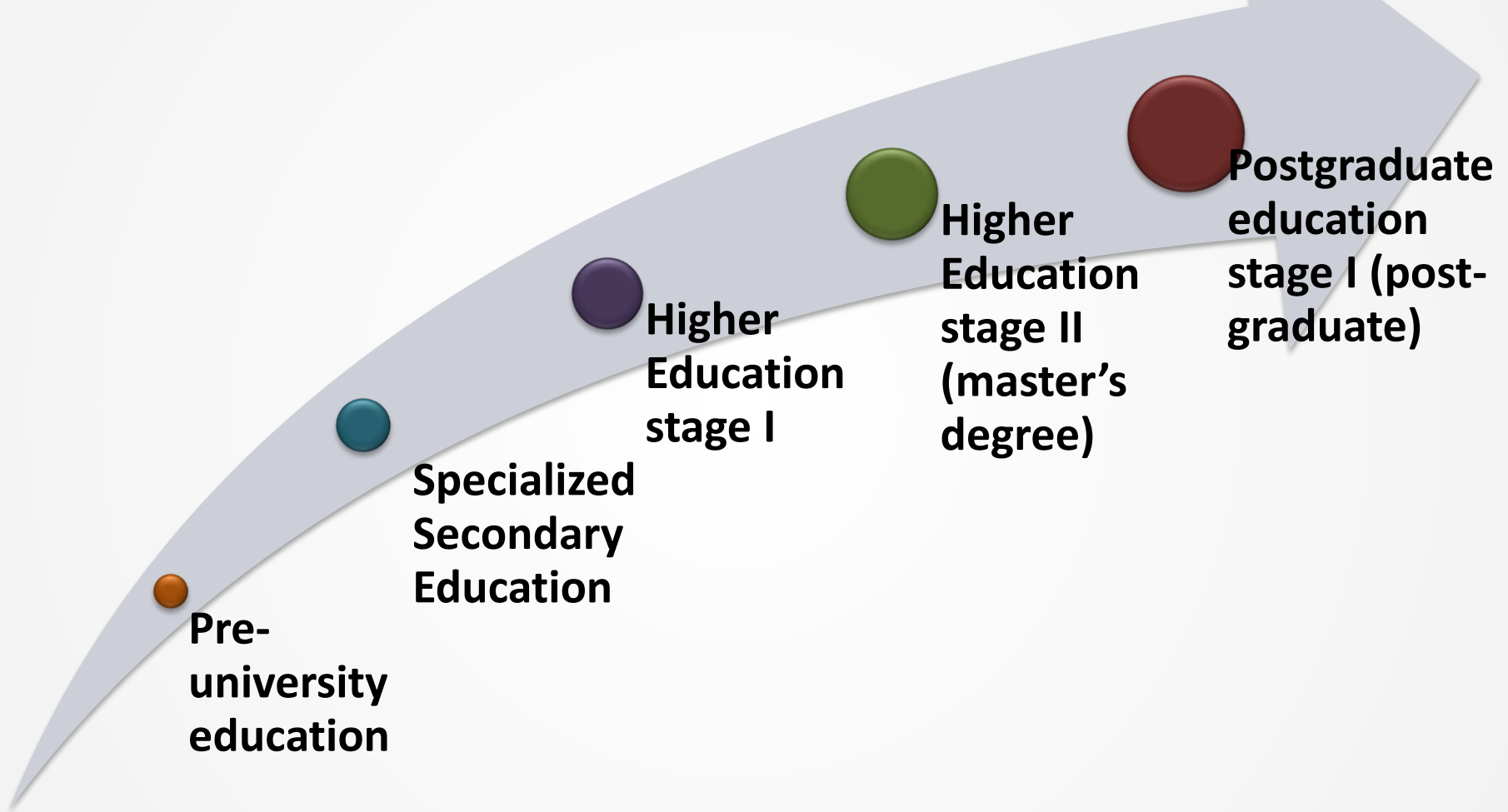

Educational Building № 1, Minsk

Educational Building № 2, Minsk

Educational Building in Vitebsk

Levels of learning

Pre-university education

Specialized Secondary Education

Higher Education stage I

Higher Education stage II (master's degree)

Postgraduate education stage I (post-graduate)

Specialized Secondary Education

Telecommunications Networks

- **Technical maintenance of the Telecommunications Networks**
- **Software systems in Telecommunications Networks**
- **Line-cable works of communications**

Television, broadcasting and cellular radio systems

- **Technical maintenance of the television, broadcasting and cellular radio systems**
- **Radio and TV monitoring of protection**

Postal service

- **Arrangement of trade and services at postal service enterprises**
- **Operation of information and technological networks**

Software Testing

Higher Education stage I

Information and Communication Technologies (different courses)

- Information communications network

Infocommunication Systems (different courses)

- Technical opertion
- Software maintenance

Economy and management at an enterprise

- Economy and management at an enterprise of Communications

Marketing

- Marketing at enterprises of communications

Postal service

Higher Education stage II (master's degree)

Master Degree is the second level of higher education, destined at training highly qualified specialists with admission to postgraduate study. Education period: in full-time – 1 year, in part-time – 1,5 years.

- **Electronic government**
- **Automation and Control of Technological Processes and Productions (according to branches)**
- **Hardware, software and technical equipment for information security**

Postgraduate Education stage I

Postgraduate study is the first level of postgraduate education destined at training highly qualified researchers holding a candidate of sciencese (PhD) degree.
Education period:
in full-time – up to 3 year,
in part-time – up to 4 year,
in the form of correspondence course – up to 5 year.

Devices and methods of the environment, substances, materials, and products monitoring

Systems, networks and devices of telecommunications (technics)

Research and educational schools

- Information management telecommunication systems
- The theory of economic growth, innovations and structural components
- Info-communication systems and devices
- Quantum information systems

Retraining and distance learning

Retraining

➢ *Retraining of specialists with secondary education in the speciality* **«Postal Communications»** *(durations of 9 month).*

➢ *Retraining of specialists with higher education in the speciality* **«Marketing»** *(durations of 18 month).*

Distance learning

- security of IP-based networks

- integrated IP-telephony

- the introduction of IPv6 protocol

- ensuring the security of global and local area networks

- broadband data networks

- organization of VPN on IP-based networks

- quality assurance of QoS in a local and global IP-based networks (durations of training – 1 month, 80 hours).

Skill development

Skill development of the specialists in the field of telecommunications and information technologies:
- data transmission networks and systems;
- telecommunications cabling systems;
- fiber optics telecommunications systems, including PON;
- new generation networks (NGN);
- telephone and data switching systems, IMS
- LAN and WAN;
- cloud computing;
- security of telecommunications networks;
- labor organization and management at the telecommunication enterprises;
- digital television;
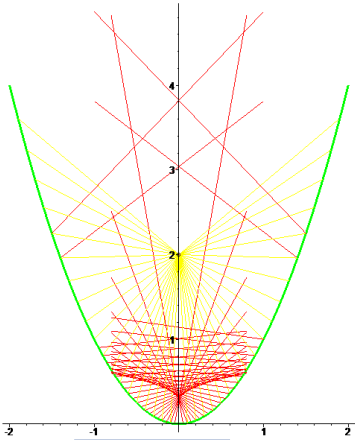- metrology and standardization of communication devices.

Skill development of the specialists in the field of post communications
- the modern technologies of a mail service;
- labor standardization and labor protection;
- labor organization and management at the post service enterprises;
- economics and marketing.

Excursions to the enterprises, in the situational centers and production laboratories for acquaintance with innovative solutions and technological processes will be organized during the training courses.
Duration of the training: 1 – 2 weeks

Belarusian State Academy of Communications

is the scientific and innovation center in the field of

- **Information and Communication Technologies**
- **Telecommunications Systems**
- **Digital Communications and Broadcasting**
- **Radio Engineering and Electronics**
- **Cyberphysical Systems**
- **Information Security**
- **Postal services**

Scientific researches

Home automation systems, Internet of things, and embedded devices

Quantum information systems
- Fiber optical lines
- Quantum information systems
- Information security

Cloud computing
- Software development
- Software maintenance

Systems for analysis and management of the radio-frequency spectrum
- Economy and management of communications

Wireless digital communication technologies (including 5G communication systems)

Home automation systems, Internet of things, and embedded devices

- Rapid acquisition, processing and analysis of information

- Networks of a number of sensors, components and subsystems

- Improvement the performance of heterogeneous systems
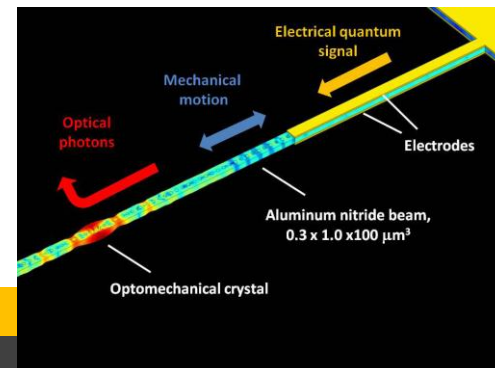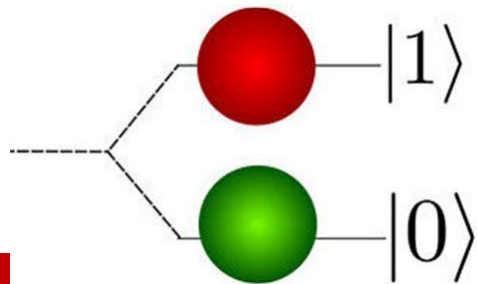
- Analytical information and intelligent technologies

Quantum information systems

Quantum key distribution

Cryptographic protocols involving components of quantum mechanics

Detection systems for illegal connection to optical fiber

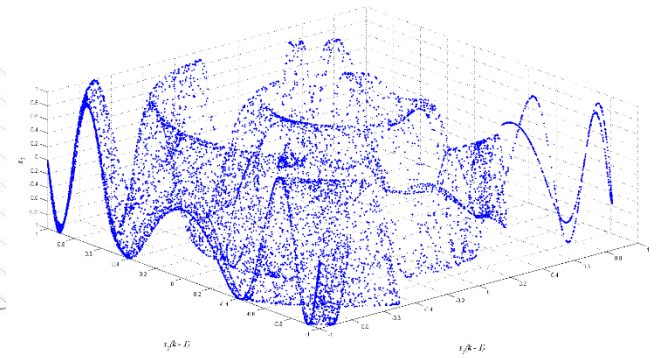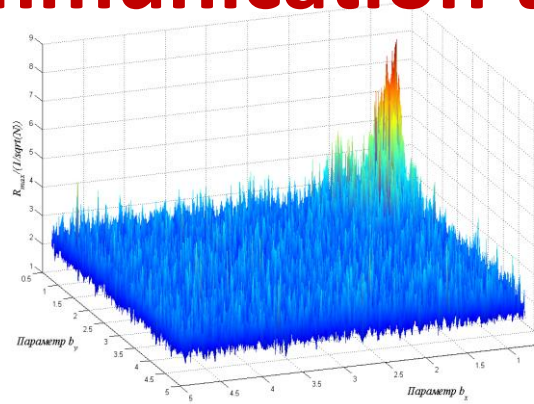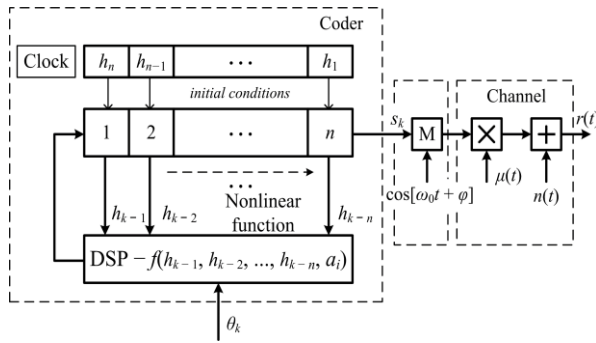**Algorithms for increasing the speed of information transfer**

Cloud information technologies

We develop software for the systems of network access on demand to a certain fund of configurable computing resources (servers, data networks, networked storage, applications and services) that can be promptly provided for processing information, and then released with minimal operating costs

Systems for analysis and management of the radio-frequency spectrum

We research software and hardware aimed at improving the efficiency of the use of the radio-frequency resource of the state. It conducts research on strategic and tactical spectrum planning, the creation and maintenance of radio frequency assignment databases, the processing of applications for radio frequency assignments, the analysis of electromagnetic compatibility conditions, radio frequency monitoring, and the issuing of invoices for services rendered by the regulator

Wireless communication technologies

The scientific direction, the purpose and objectives of which is the development of effective methods:

- **coding of the signal source**;
- **end-to-end data encryption**;
- **channel coding, including noise-immune encoding of a binary stream**;
- **techniques for digital**

modulation and spreading of signals;
- **channel data stream multiplexing**;
- **principles of cognitive radio**;
- **optimal reception, demodulation, decoding and demultiplexing of information streams**.

Training in specialized training centers

The CISCO company Training Center (Net Academy, USA)
Area – Computer networks and data networks

The ZTE company Training Center (China)
Area – fiber(-optic) transmission systems

The Huawei Technologies Co. Training Center (China)
Area – IP-television equipment

The «1C» Authorized Training Center on «1C : Accounting» software operation (Russia)
Area - Automation of business management.

The "Svyazinvest" Open joint-stock Company Training Center (Belarus)
The F-type digital exchanges

RUE «Belpochta» Training Center
Area – activities in the field of organization and operation of postal services

Белорусская государственная академия связи принимала участие в проекте «Центры профессионального мастерства МСЭ» в 2002-2012 годах

Проводились обучающие семинары и курсы дистанционного обучения

Всего прошло обучение более 400 человек

Проект по Региональной инициативе ВКРЭ-14 CIS2 «**Обеспечение возможности доступа к услугам электросвязи/ИКТ для лиц с ограниченными возможностями**»
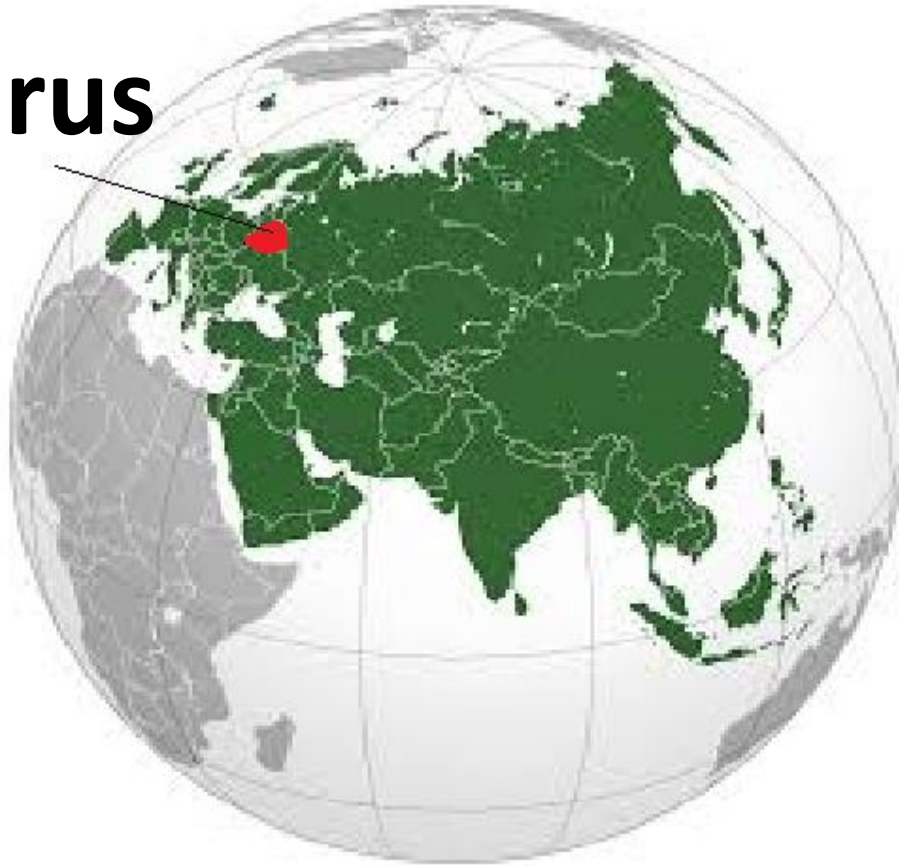
По инициативе и при поддержке **Международного союза электросвязи**, в сотрудничестве с Белорусской государственной академией связи и **ИИТО ЮНЕСКО** в 2016 году открыт Центр по обучению лиц с нарушениями слуха для адаптации их к работе в сфере ИКТ

Учебный центр обучения лиц с нарушениями слуха современным инфокоммуникационным технологиям

The international cooperation

Belarus

- Russia
- Ukraine
- Uzbekistan
- Azerbaijan
- Georgia
- Czech Republic
- Bulgaria
- Lithuania
- Kazakhstan
- Poland
- Tajikistan

CoE priority areas

Wireless and fixed broadband communication

Cybersecurity

Training workshops will be held twice a year, in spring and autumn.

Number of people in the study group — 10.

План: 3-дневные курсы по двум направлениям дважды в год

Период	Вид услуги	Объем реализованных услуг	Цена, долл. США	Выручка, долл. США
2019 год	Обучающий семинар	40 договоров	120	4800
2020 год	Обучающий семинар	40 договоров	120	4800
2021 год	Обучающий семинар	40 договоров	120	4800
2022 год	Обучающий семинар	40 договоров	120	4800

Группы – по 10 слушателей

Наименование показателя	Расходы Всего за год, долл. США	Доходы Всего за год, долл. США
Заработная плата, долл. США	1700	
Налоги и социальные отчисления (ФСЗН, БГС), долл. США	595	
Накладные расходы	800	
Выручка от реализации услуг, долл. США		4800
Отчисления МСЭ, 20%		960
Баланс	3095	3840

За 4-хлетний цикл прибыль от реализации данного вида услуг составит 2980 USD (745 USD за год)

Belarusian State Academy of Communication

- is the only organization in the structure of the Ministry of Communications and Informatization of the Republic of Belarus that deals with educational services

- has appropriate material and technical resources for the Center of Excellence

- has trained staff with expertise in priority area

- has the ability to work with international partners and agencies in the delivery of training

- The Ministry of Communications and Informatization of the Republic of Belarus has expressed interest in opening the Center of Excellence on the basis of Belarusian State Academy of Communication

Thank you for your attention

Contacts

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