



CAREER DEVELOPMENT CENTRE

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SPECIALITIES AND EDUCATIONAL PROGRAMMES FOR BACHELOR'S DEGREE

FACULTY OF APPLIED MATHEMATICS

- 113 Applied mathematics**
Data science and mathematical modeling
- 121 Software engineering**
Software engineering of multimedia and information retrieval systems
- 123 Computer engineering**
System programming and specialized computer systems

FACULTY OF BIOTECHNOLOGY AND BIOTECHNICS

- 133 Industrial machinery engineering**
Equipment of pharmaceutical and biotechnological productions
- 162 Biotechnology and bioengineering**
Biotechnologies

FACULTY OF CHEMICAL TECHNOLOGY

- 161 Chemical technology and engineering**
Chemical technologies of cosmetic products and food additives
Chemical technologies of inorganic and organic binders and composition materials
Chemical technologies of inorganic ceramic materials
Chemical technologies of inorganic substances and water purification
Chemical technologies of organic substances
Electrochemical technologies of inorganic and organic substances

FACULTY OF ELECTRONICS

- 153 Micro- and nano-system technology**
Electronic micro- and nanosystems and technologies
Micro- and nanoelectronics
- 171 Electronics**
Acoustic electronic systems and technologies of acoustic information processing
Electronic components and systems
Electronic devices and equipment
Electronic systems of multimedia and internet of things technology
- 172 Telecommunications and radio engineering**
Information-computing means of radio electronic systems

FACULTY OF BIOMEDICAL ENGINEERING

- 122 Computer sciences**
Computer technology in biology and medicine
- 163 Biomedical engineering**
Medical engineering
Regenerative and biopharmaceutical engineering
- 227 Physical therapy, ergotherapy**
Physical therapy, ergotherapy

FACULTY OF CHEMICAL ENGINEERING

- 101 Environmental studies**
Environmental safety
- 131 Applied mechanics**
Engineering of packaging products, processes and equipments
- 133 Industrial machinery engineering**
Engineering of equipment for the production of polymeric and building materials and products
Computer-aided design of chemical equipment
- 151 Automation and computer-integrated technologies**
Hardware and software for automation
- 161 Chemical technology and engineering**
Industrial ecology and resource efficient cleaner technologies

FACULTY OF ELECTRIC POWER ENGINEERING AND AUTOMATICS

- 141 Electrical energetics, electrical engineering and electromechanics**
Alternative and renewable sources of energy
Control, protection and automation of electric power system
Electric machines and apparatus
Power plants
Electrical power systems and networks
Electromechanical automation systems, electrical drive and electromobility
Electrotechnical devices and electrotechnological complexes

FACULTY OF HEAT AND POWER ENGINEERING

- 121 Software engineering**
Software engineering of intelligent cyber-physical systems and web technologies
- 122 Computer sciences**
Computerized monitoring and geometric modeling of processes and systems
- 142 Power machinery**
Engineering and computer technology of
- 143 Nuclear power engineering**
Nuclear power plants
- 144 Thermal power engineering**
Heat power and power plants thermal heat installations
- 151 Automation and computer-integrated technologies**
Automation and computer-integrated technologies of cyber-energy systems

FACULTY OF LINGUISTICS

- 035 Philology**
Germanic languages and literatures (including translation), primary – english
Germanic languages and literatures (including translation), primary – german
Romance languages and literatures (including translation), primary – french

FACULTY OF MANAGEMENT AND MARKETING

- 051 Economics**
Economic cybernetics
Economics of business enterprise
International economics
- 073 Management**
Management and business administration
Media management and administration of publishing and printing industry
- 075 Marketing**
Business analytics
Industrial marketing

FACULTY OF SOCIOLOGY AND LAW

- 054 Sociology**
Conflict regulation and mediation
- 081 Law**
Law
- 231 Social work**
International social projects and volunteering
- 281 Public management and administration**
Administrative management
Electronic governance

FACULTY OF INFORMATICS AND COMPUTER SCIENCE

- 121 Software engineering**
Computer systems software engineering
Information systems software engineering
- 123 Computer engineering**
Computer systems and networks
- 126 Information systems and technologies**
Dataware of robotic systems
Information management systems and technology
Integrated information systems

FACULTY OF INSTRUMENTATION ENGINEERING

- 151 Automation and computer-integrated technologies**
Computer-integrated systems and technologies in instrument making
- 152 Metrology and information-measuring technology**
Information measuring technologies

FACULTY OF PHYSICS AND MATHEMATICS

- 104 Physics and astronomy**
Computer modeling of physical processes
- 111 Mathematics**
Actuarial and financial mathematics

FACULTY OF RADIO ENGINEERING

- 172 Telecommunications and radio engineering**
Radio technical computerized systems
Information and communication radioengineering
Intelligent technologies radioelectronic equipment

INSTITUTE FOR APPLIED SYSTEM ANALYSIS

- 122 Computer sciences**
Intelligent service-oriented distributed computing
Systems and methods of artificial intelligence
- 124 System analysis**
System analysis and control

INSTITUTE OF AEROSPACE TECHNOLOGY

- 134 Aviation and aerospace technologies**
Airplanes and helicopters
Aerospace and rocket systems engineering
- 173 Avionics**
Control systems of flight vehicles and complexes

INSTITUTE OF MACHINE ENGINEERING

- 131 Applied mechanics**
Automated and robotic mechanical systems
Engineering design tool systems
Dynamics and strength of machines
Manufacturing engineering
Aircraft manufacturing technologies
Technologies of computer design of machine tools, robots and machinery
Engineering design tool systems

INSTITUTE OF PUBLISHING AND PRINTING

- 023 Fine arts, decorative arts, restoration**
Fine arts
- 061 Journalism**
Advertising and public relations
Publishing and editing
- 133 Industrial machinery engineering**
Computerized printing systems
- 186 Publishing and printing**
Technology of printed and electronic publications

PATON INSTITUTE OF MATERIAL SCIENCE

- 131 Applied mechanics**
Laser technology and computer-based processes of physicotchnical material treatment
Welding technology and engineering
Technological systems of joints and surfaces engineering
- 132 Materials science**
Engineering and computer modeling in materials science
Nanotechnologies and computer-aided materials design
- 136 Metallurgy**
Computer based casting processes

INSTITUTE OF ENERGY SAVING AND ENERGY MANAGEMENT

- 141 Electrical energetics, electrical engineering and electromechanics**
Electric power distribution systems engineering
Energy management and energy efficient technologies
Engineering of intelligent electrotechnical and mechatronic complexes
- 144 Thermal power engineering**
Energy management and engineering thermal heating system
- 184 Mining**
Geoengineering

INSTITUTE OF PHYSICS AND TECHNOLOGY

- 105 Applied physics and nanomaterials**
Applied physics
- 113 Applied mathematics**
Mathematical methods of cryptographic security
Mathematical methods of computer modeling, pattern recognition and computer vision
- 125 Cyber security**
Systems, technologies and mathematical methods of cyber security
Systems of technical protection of information

INSTITUTE OF TELECOMMUNICATION SYSTEMS

- 172 Telecommunications and radio engineering**
Engineering and programming in infocommunications
Information and communication technologies
Electronic communication systems and networks

In connection with the reform of the higher education system, changes in the list of educational programs are possible