

APPLICANT'S GUIDE

Ryazan State Radio Engineering University

- ✓ We Train You To Become Better
- ✓ We Help You Find Your Future Career
- ✓ Always Forward!



<https://rsreu.ru/en/>



Faculty of Computer Engineering

Our Faculty is one of the top IT-faculties in the Russian Federation. It provides training for highly qualified specialists in demand with specialties related to a wide range of modern computing technologies.

- ✓ Department of Computer-aided Design of Computing Facilities
- ✓ Department of Computational and Applied Mathematics
- ✓ Department of Electronic Computers
- ✓ Department of Information Security
- ✓ Department of Space Technologies



Bachelor's degree programs

Major: 02.03.01 "Mathematics and Computer Sciences"

Graduate Department - Department of Space Technologies

Mode of study - full time

Duration - 4 years

Language - Russian (B1)

Price - 176 000 rub. (per year)

Special Disciplines:

- **Basics of Algorithmization and OOP**
- **Mathematical and Computer Modeling**
- **Basics of Building Information Communication Systems**
- **Basics of Electronic Means Design**
- **Geoinformatics**
- **Mathematical Methods in Space Technologies**
- **Space Systems and Technologies**
- **Technologies of Programmable Logic Integrated Circuits**

Alumnus:

- Programmer
- System Analyst
- R&D Specialist



Major: 02.03.02 “Fundamental Informatics and Information Technologies”

Graduate Department - Department of Computer-aided Design of Computing Facilities

Mode of study - full time

Duration - 4 years

Language - Russian (B1)

Price - 176 000 rub. (per year)

Special Disciplines:

- Python Programming
- Algorithms and Data
- Web Programming
- Systems Programming
- Operating Systems
- Wireless Networks Structures
- Internet Technologies
- Cloud Computing
- Artificial Intelligence Technologies
- Computer Networks
- Machine Learning and Data Analysis

Alumnus:

- Programmer
- Software Architect
- Web and Multimedia Apps Developer
- Network Administrator
- Big Data Specialist



Major: 02.03.03 “Mathematical Support and Information Systems Administration”

Graduate Department - Department of Electronic Computers

Mode of study - full time

Duration - 4 years

Language - Russian (B1)

Price - 176 000 rub. (per year)

Special Disciplines:

- Basics of Algorithmization and OOP
- SQL Programming
- Information Systems Object Modeling
- Database Administration
- Client Apps Programming
- Information Systems Development Technologies

Alumnus:

- Programmer
- Software Architect
- Database Administrator
- IT Test Specialist



Major: 09.03.01 “Informatics and Computer Engineering” with 3 profiles

1. Academic program:
“Hardware and Software for Computing Complexes and Artificial Intelligence Systems”

Graduate Department - Department of Electronic Computers

Mode of study - full time

Duration - 4 years

Language - Russian (B1)

Price - 176 000 rub. (per year)

Special Disciplines:

- Machine Learning
- Cloud Technologies
- Databases
- Neural Network Architectures Design
- Web-programming
- Programming Techniques
- Self-learning Algorithms
- Client and Server Databases Apps

Alumnus:

- Systems Programmer
- Software Architect
- Network Administrator
- R&D Specialist
- ML Engineer



Major: 09.03.01 “Informatics and Computer Engineering” with 3 profiles

2. Academic program: “Intelligent Systems and Technologies”

**Graduate Department - Department of Computer-aided
Design of Computing Facilities**

Mode of study - full time

Duration - 4 years

Language - Russian (B1)

Price - 176 000 rub. (per year)

Special Disciplines:

- Algorithmic Languages and Programming
- Computer Graphics
- Geometric Modeling
- Parallel Programming
- AI in CAD
- Automation of Engineering and Technological Design

Alumnus:

- Programmer
- Systems Programmer
- Industrial Designer
- Digital Libraries Development Engineer



Major: 09.03.01 “Informatics and Computer Engineering” with 3 profiles

3. Academic program: “Systems Engineering and Space Information Technologies”

Graduate Department - Department of Space Technologies

Mode of study - full time

Duration - 4 years

Language - Russian (B1)

Price - 176 000 rub. (per year)

Special Disciplines:

- CALS Technologies
- IT Project Management
- Algorithmic Languages and Programming
- CASE-technologies of Engineering
- Information Theory and Information Technologies
- Multimedia Technologies
- Computer Vision Basics

Alumnus:

- System Analyst
- Web and Multimedia Apps Developer
- Big Data Specialist



Major: 09.03.03 “Applied Informatics in Economics”

Graduate Department - Department of Computational and Applied Mathematics

Mode of study - full time

Duration - 4 years

Language - Russian (B1)

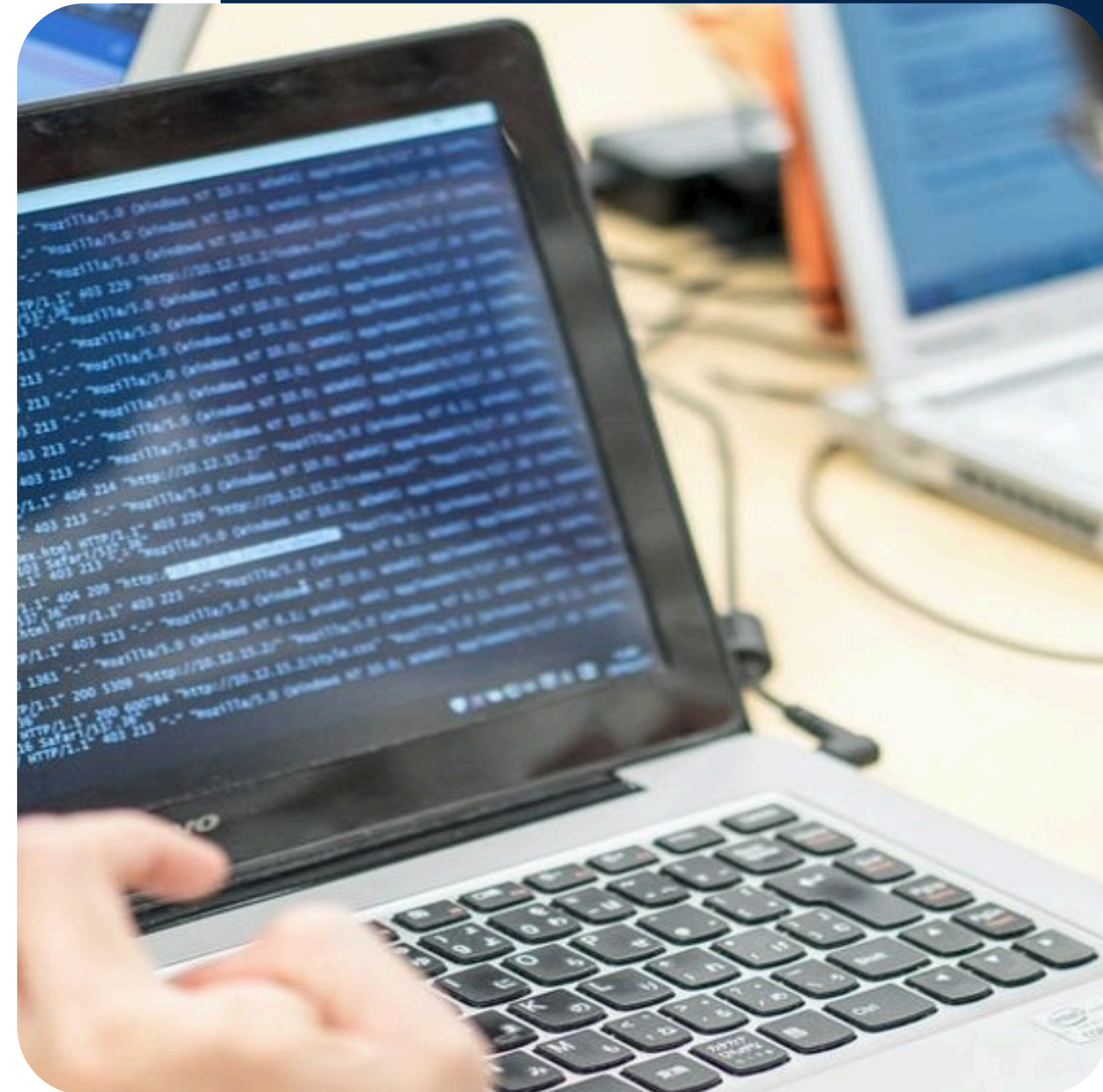
Price - 176 000 rub. (per year)

Special Disciplines:

- Algorithmic Languages and Programming
- Visual Programming
- IT and Services Marketing
- Team Development of Software Systems
- 1C Solutions Design
- Introduction to Industrial Java-based Software Development

Alumnus:

- Programmer
- System Analyst
- IS Specialist
- IT Project Manager



Major: 09.03.04 "Software Engineering"

Academic program: "Artificial Intelligence Systems Software "

Graduate Department - Department of Computational and Applied Mathematics

Mode of study - full time

Duration - 4 years

Language - Russian (B1)

Price - 176 000 rub. (per year)

Special Disciplines:

- Basics of Software Engineering
- Object-Oriented Programming
- Software Design
- Functional Programming
- Network Administration
- Development of Multithreaded Apps
- Software Testing
- Industrial Development on MS.NET Platform

Alumnus:

- Programmer
- System Analyst
- Big Data Specialist
- IT Test Specialist



Joint Program with



Master's degree programs

02.04.03 "Mathematical Support and Information Systems Administration" with Major "Business Analysis and Information Systems Design"

Graduate Department - Department of Electronic Computers

Mode of study - full time

Duration - 2 years

Language - Russian (B2)

Price - 190 000 rub.(per year)

Special Disciplines:

- OS and Network Service Administration
- Mathematical and Computer Modeling
- Flexible Methodologies of IT Project Management
- Software Development Utilities
- Collaborative Software Development

Alumnus:

- Lead Programmer
- Software Architect
- Lead Tester
- System Administrator
- Senior System Analyst
- Project Manager
- Head of R&D Department



Major: 09.04.01 “Informatics and Computer Engineering” with 3 profiles

1. Academic program: “Computers, Computer Complexes, Systems and Networks”

Graduate Department - Department of Electronic Computers

Mode of study - full time

Duration - 2 years

Language - Russian (B2)

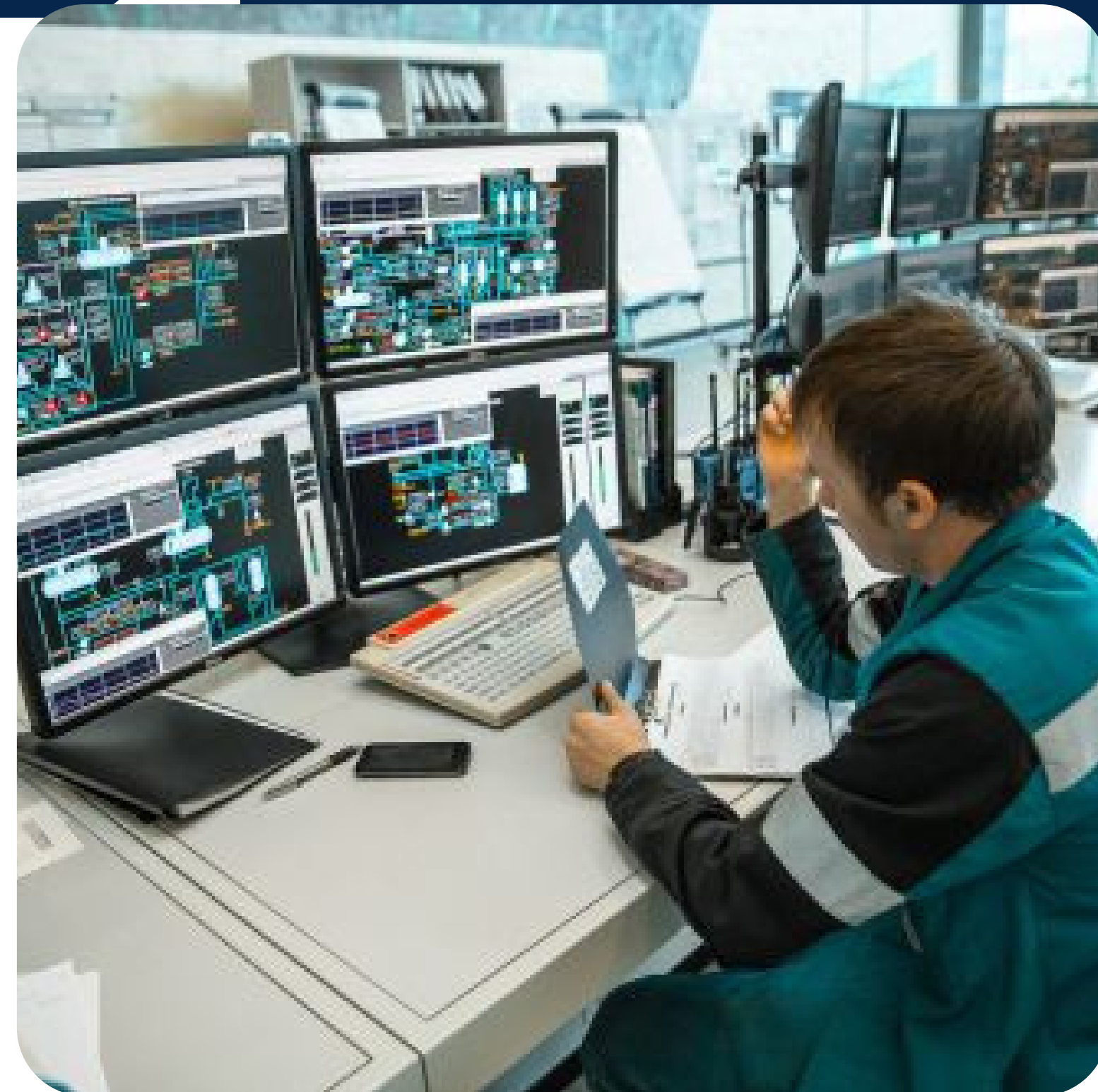
Price - 190 000 rub.(per year)

Special Disciplines:

- CAD Development
- Hardware and Software for High Speed Data Processing
- Image Processing Methods and Algorithms
- Machine Vision Systems
- Intellectual Systems and Soft Computing
- Modern Optimization Techniques

Alumnus:

- Lead Programmer
- Software Architect
- Senior System Administrator
- Project Manager
- Integrated Circuit Design Engineer



Major: 09.04.01 “Informatics and Computer Engineering” with 3 profiles

2. Academic program: “Computer-aided Design Systems”

Graduate Department - Department of Computer-aided Design of Computing Facilities

Mode of study - full time

Duration - 2 years

Language - Russian (B2)

Price - 190 000 rub.(per year)

Special Disciplines:

- CALS-Technologies
- Object Analysis and Object-Oriented Programming
- CAD Development
- Microcontrollers Programming
- CAD Graphics Subsystems
- Linux Operating System in Computerized Systems

Alumnus:

- Lead Programmer
- Software Architect
- Senior System Administrator
- Project Manager
- Head of R&D Department



Major: 09.04.01 “Informatics and Computer Engineering” with 3 profiles

3. Academic program: “Space Information Systems and Technologies”

Graduate Department - Department of Space Technologies

Mode of study - full time

Duration - 2 years

Language - Russian (B2)

Price - 190 000 rub.(per year)

Special Disciplines:

- CAD/CAM/CAE/PDM Technologies
- Corporate Information Systems
- Geoinformation Systems and Technologies
- CALS-Technologies
- Aerospace Systems and Information Processing Technologies
- Space Systems Design Methods and Means

Alumnus:

- Lead Programmer
- Spacecraft and Space Systems Designer
- Spacecraft Engineer
- Information Systems Engineer



09.04.04 “Software Engineering” with Major “Software and Algorithmic Support for Artificial Intelligence Systems”

**Graduate Department - Department of Computational and
Applied Mathematics**

Mode of study - full time

Duration - 2 years

Language - Russian (B2)

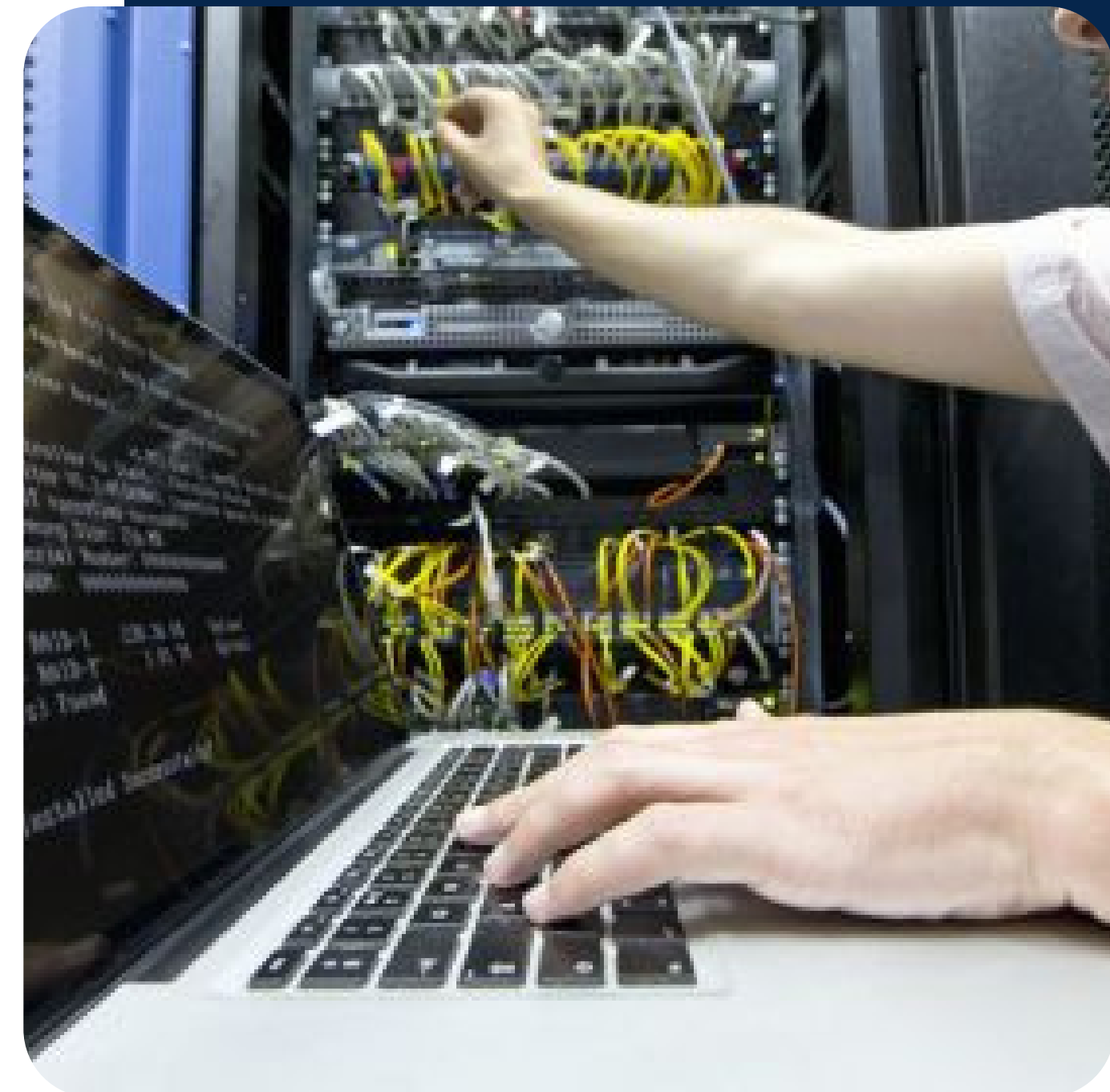
Price - Price - 190 000 rub.(per year)

Special Disciplines:

- Programmed Control in Hybrid Systems
- Artificial Intelligence Systems
- Technology of Multimedia Software Design and Development
- Architecture of Industrial Software Systems
- Cloud Computing
- OLAP Technologies
- Artificial Neural Networks

Alumnus:

- Lead Programmer
- Senior System Analyst
- Big Data Specialist
- Software Maintenance Engineer



Major 11.04.03 “Electronic Means Design and Technology” with profile “Electronic Computers Design and Technology”

Graduate Department - Department of Computer-aided
Design of Computing Facilities

Mode of study - full time

Duration - 2 years

Language - Russian (B2)

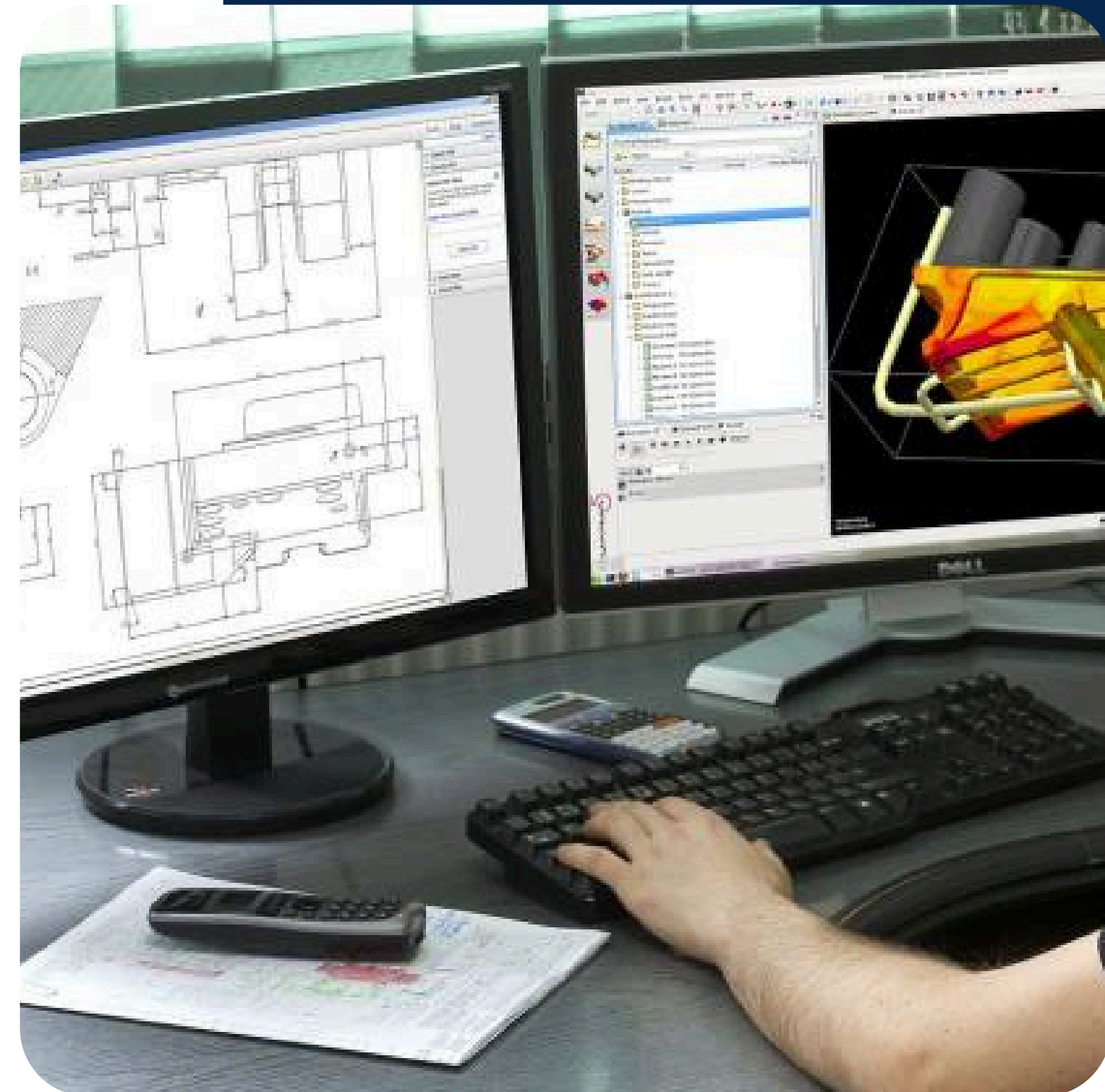
Price - 180 000 rub.(per year)

Special Disciplines:

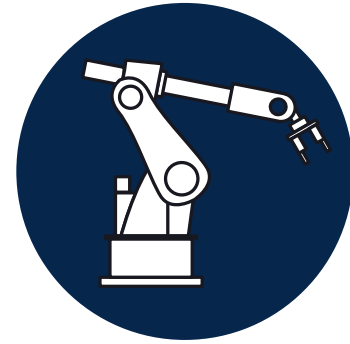
- Risk Management in Computer Construction
- Automation of Computers Engineering Design
- Mathematical Support of Computer-Aided Design Systems
- Integrated Systems in Electronics Preparation
- Development of Design Engineering
- Embedded Computer Systems

Alumnus:

- Lead Programmer
- Engineer
- CAD Specialist
- Engineer-Designer



Faculty of Automatics and Information Technologies in Control



The Faculty is one of the leading faculties in the field of applied theory and design of control systems based on modern information technologies. Our students benefit from a competitive learning environment stimulating creativity, the technical and scientific initiative, personal development and continuous involvement of the future specialists in building the society of knowledge.

- ✓ Department of Automatics and Information Technologies in Control
- ✓ Department of Automated Control Systems
- ✓ Department of Higher Mathematics
- ✓ Department of Information-Measuring and Biomedical Engineering
- ✓ Department of Automation of Information and Technological Processes
- ✓ Department of Information Technologies in Graphics and Design



Bachelor's degree programs

01.03.02 "Applied Mathematics and Informatics" with Major "Programming and Data Analysis"

Graduate Department - Department of Automatics and Information Technologies in Control

Mode of study - full time

Duration - 4 years

Language - Russian (B1)

Price - 176 000 rub. (per year)

Special Disciplines:

- Mathematical Risk Theory
- Econometrics
- Fuzzy Set Theory
- Object-Oriented Programming
- Programming and Basic Algorithms
- Data Analysis
- Machine Learning

Alumnus:

- Programmer
- Data Analyst
- Engineer
- Algorithm Developer
- Big Data Specialist





09.03.02 “Information Systems and Technologies”

Graduate Department - Department of Automatics and Information Technologies in Control

Mode of study - full time

Duration - 4 years

Language - Russian (B1)

Price - 176 000 rub. (per year)

Special Disciplines:

- Object Data Binding Technologies
- Networks and Telecommunications
- SQL Programming
- Databases
- Control in Information Systems
- Microprocessors and FPGAs Programming
- Algorithmic Languages and Programming

Alumnus:

- Programmer
- System Analyst
- System Administrator
- Engineer



Alumnus:

12.03.04 “Biotechnical Systems and Technologies”

Graduate Department - Department of Information-Measuring and Biomedical Engineering

Mode of study - full time

Duration - 4 years

Language - Russian (B1)

Price - 167 500 rub. (per year)

Special Disciplines:

- **Measurement Transducer and Electrodes**
- **Biomedical Signal and Data Processing Techniques**
- **Automation of Biotechnological System Design**
- **Biotechnical Systems for Medical Purposes**
- **Computer Technologies in Biotechnical Systems**
- **System Analysis**
- **Analytical Methods and Instruments for Environmental Control**
- **Automation and Control Instrumentation Engineer**
- **Medical Physicists**
- **Medical Engineer**
- **Engineer**

15.03.04 “Automation of Technological Processes and Production”

Graduate Department - Department of Automation of Information and Technological Processes

Mode of study - full time

Duration - 4 years

Language - Russian (B1)

Price - 167 500 rub. (per year)

Special Disciplines:

- Visual Programming
- Microcontrollers in Control Systems
- CASE-Technologies
- Computers, Networks and Systems
- Automation and Control Means
- Databases and Database Management Systems
- Automation of Technological Processes and Productions

Alumnus:

- Operator
- Programmer
- Curcuit Engineer
- Programmer-Developer
- Engineer



15.03.06 “Mechtronics and Robotics”

**Graduate Department - Department of Information-
Measuring and Biomedical Engineering**

Mode of study - full time

Duration - 4 years

Language - Russian (B1)

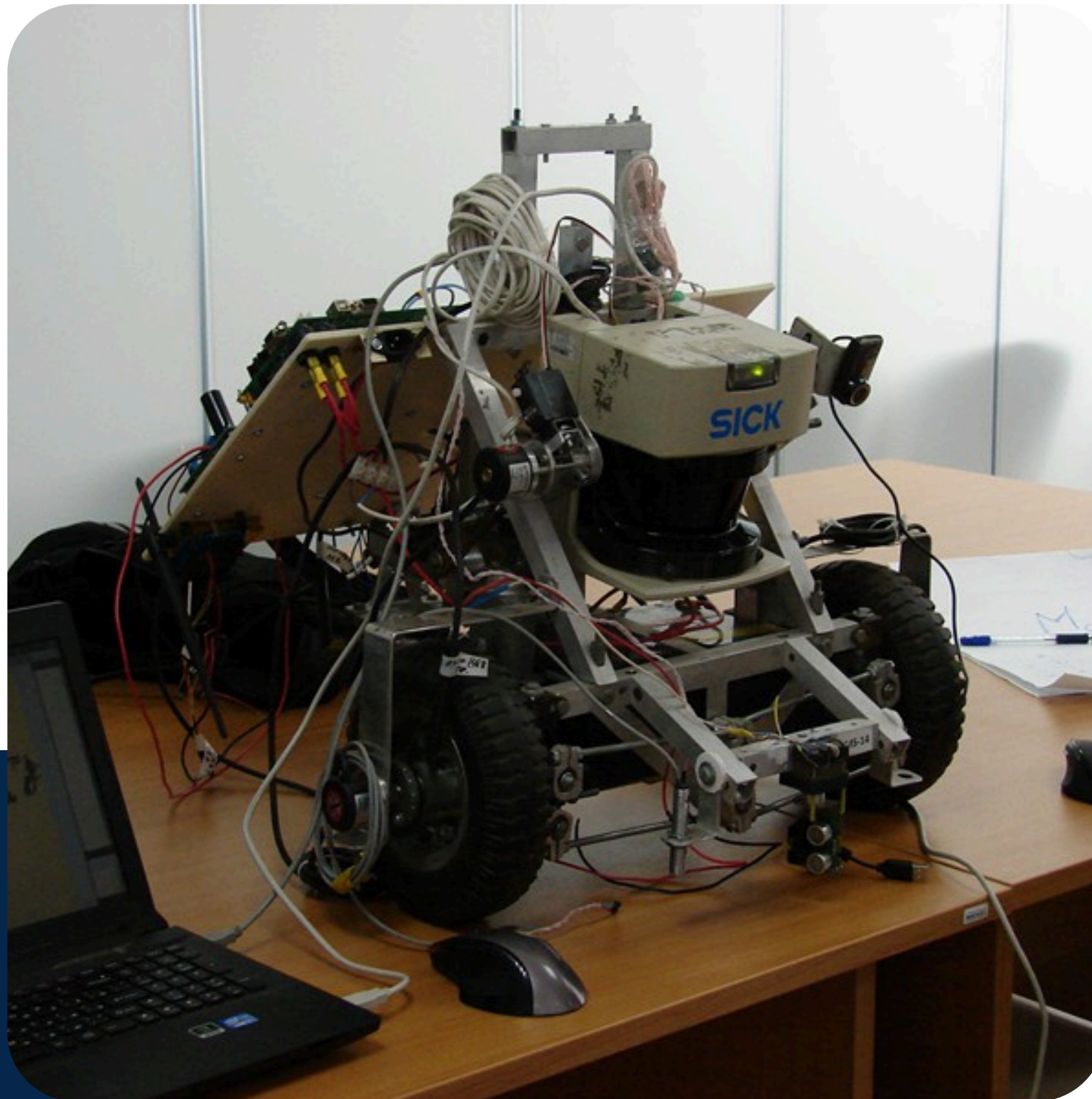
Price - 167 500 rub. (per year)

Special Disciplines:

- Embedded Systems
- Computer Vision
- Applied Mechanics
- Simulation of Mechatronic Devices
- Software for Robotic and Mechatronic Systems
- Object-Oriented Programming in Robotics
- Localization, Positioning and Navigation Techniques

Alumnus:

- Programmer
- AI Specialist
- Engineer
- Cybernetics Specialist





27.03.01 "Standardization and Metrology" with Major "Digital Technologies in Metrology and Quality Management"

**Graduate Department - Department of Information-
Measuring and Biomedical Engineering**

Mode of study - full time

Duration - 4 years

Language - Russian (B1)

Price - 167 500 rub. (per year)

Special Disciplines:

- CAD Simulation
- CALS Technologies
- Programming
- Databases
- Control in Information Systems
- Quality Management Software
- Algorithmic Languages and Programming

Alumnus:

- System Engineer
- Software Engineer
- Quality Engineer
- Certification Expert

27.03.04 “Control in Technical Systems”

**Graduate Department - Department of Automatics
and Information Technologies in Control**

Mode of study - full time

Duration - 4 years

Language - Russian (B1)

Price - 167 500 rub. (per year)

Special Disciplines:

- Object Data Binding Technologies
- Networks and Telecommunications
- SQL Programming
- Databases
- Control in Information Systems
- Microprocessors and FPGAs Programming
- Algorithmic Languages and Programming

Alumnus:

- System Engineer
- Software Engineer
- Commissioning and Testing Engineer
- Database Administrator



Master's degree programs

09.04.02 "Information Systems and Technologies"

Graduate Department - Department of Automatics and Information Technologies in Control

Mode of study - full time

Duration - 2 years

Language - Russian (B2)

Price - 190 000 rub. (per year)

Special Disciplines:

- Systems Modeling
- Computer Graphics
- Big Data Analysis
- Programming Techniques
- Information Systems Software
- Information Security
- Microprocessors and FPGAs Programming

Alumnus:

- Web-Programmer
- Data Analyst
- Big Data Specialist
- Software Support Engineer
- Information Systems Architect



12.04.04 “Biotechnical Systems and Technologies” with Major “Biotechnical and Medical Devices and Systems”

Graduate Department - Department of Information-Measuring and Biomedical Engineering

Mode of study - full time

Duration - 2 years

Language - Russian (B2)

Price - 180 000 rub. (per year)

Special Disciplines:

- **Measurement Transducer and Electrodes**
- **Biomedical Signal and Data Processing Techniques**
- **Automation of Biotechnological System Design**
- **Biotechnical Systems for Medical Purposes**
- **Computer Technologies in Biotechnical Systems**
- **CAD Systems**
- **Biomedical Devices Production Technologies and Maintenance**
- **Automation and Control Instrumentation Engineer**
- **Medical Physicists**
- **Medical Engineer**
- **Engineer**

Alumnus:



15.04.04 “Automation of Technological Processes and Production” with Major “Automation Systems for Enterprise Information and Technological Processes”

Graduate Department - Department of Automation of Information and Technological Processes

Mode of study - full time

Duration - 2 years

Language - Russian (B2)

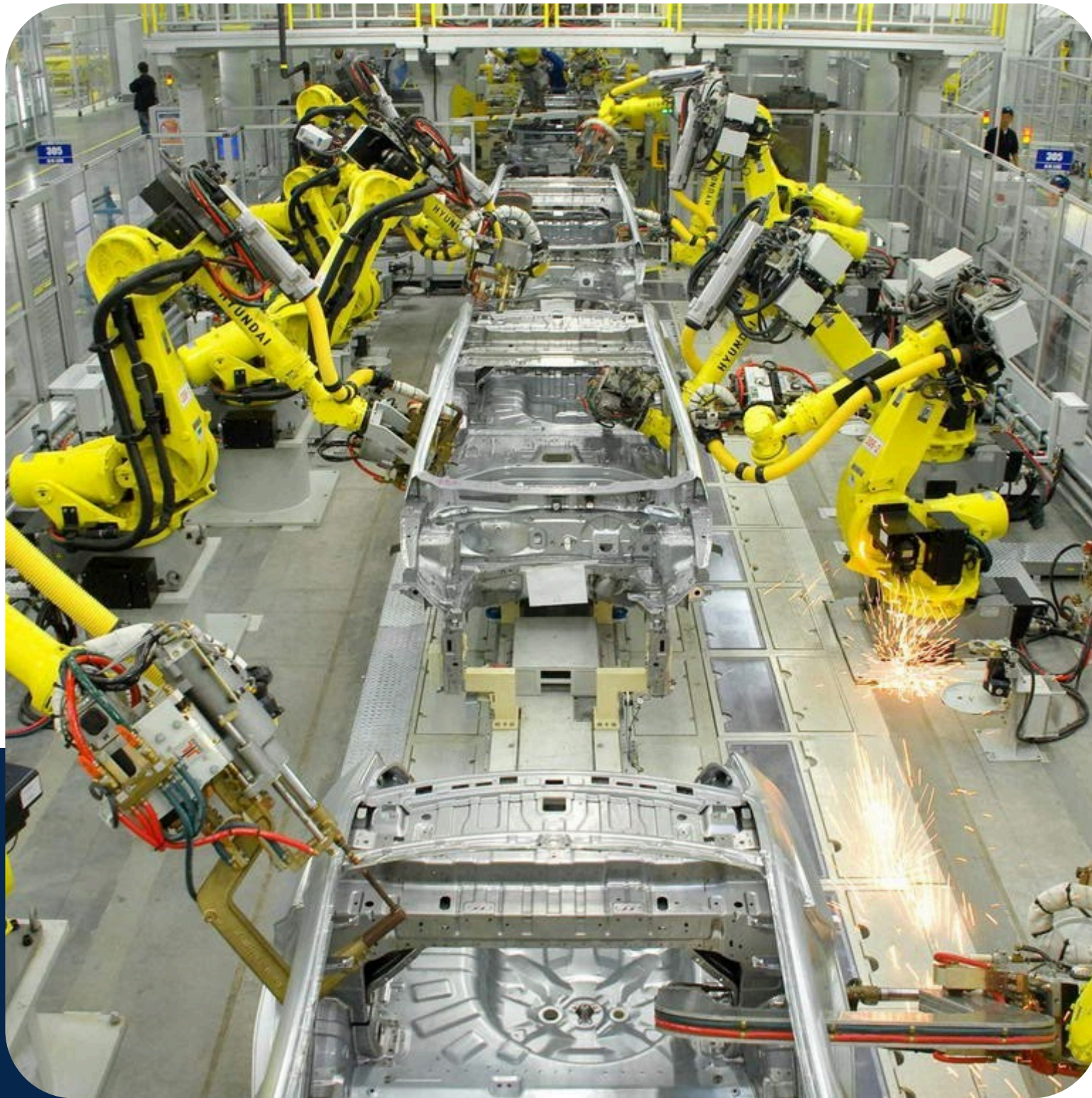
Price - 180 000 rub. (per year)

Special Disciplines:

- Additive Technologies
- Sensors and Sensing Elements
- CASE-Technologies
- Discrete Control Systems
- Automated Systems of Quality Control
- Databases and Database Management Systems
- CAD/CAM/CAE/PDM-Systems

Alumnus:

- Operator
- Programmer
- Circuit Engineer
- Programmer-Developer
- Engineer





Faculty of Engineering and Economics

Our Faculty is a team of active and creative students as well as qualified and experienced teaching staff. We implement current methods of training and specialty areas, hold various events that allow students to develop new skills and abilities.

- ✓ Department of State, Municipal and Corporate Management
- ✓ Department of Economics, Management and Production Organization
- ✓ Department of Life Activity Safety and Ecology
- ✓ Department of Foreign Languages
- ✓ Department of Economic Security, Analysis and Accounting
- ✓ Department of History, Philosophy and Legal Science

38.03.01 “Economics” with Major “Industrial Enterprise Economy”

Graduate Department - Department of Economics,
Management and Production Organization

Mode of study - full time

Duration - 4 years

Language - Russian (B1)

Price - 162 000 rub. (per year)

Special Disciplines:

- WorldSkills: Entrepreneurship
- Labor Law
- Commercial Law
- Personnel Management
- Economic Risk Assessment
- WorldSkills: Life Cycle Management
- Human resource management

Alumnus:

- Enterprise Economist
- Accountant
- Risk Management Specialist
- Economic Forecasting Analyst
- Investment Specialist



38.03.04 “State and Municipal Administration” with Major “Information Technologies in State and Municipal Administration”

Graduate Department - Department of State, Municipal and Corporate Management

Mode of study - full time

Duration - 4 years

Language - Russian (B1)

Price - 162 000 rub. (per year)

Special Disciplines:

- Budgetary Organization Management
- Financial Management
- Web Programming
- Forecasting and Planning
- Electronic Document Management
- Methods of Management Decision-making
- Basics of State and Municipal Administration
 - Municipal Communications Officer
 - Manager
 - Civil Servant
 - Crisis Management Specialist
 - Marketing Specialist

Alumnus:



38.03.05 “Business Informatics”

**Graduate Department - Department of Electronic
Computers**

Mode of study - full time

Duration - 4 years

Language - Russian (B1)

Price - 165 500 rub. (per year)

Special Disciplines:

- Programming
- Applied Information Systems
- Business Systems Simulation
- Business Analysis
- IT Project and Product Management
- E-commerce
- Market Research
- Business Systems and Architectures Design and Development

Alumnus:

- System Analyst
- Business Analyst
- IT Project Manager
- Information Systems Specialist



Master's degree programs

27.04.06 "Organization and Management of Knowledge-intensive Industries" with Major "Organization and Management of Production Systems"

Graduate Department - Department of Economics,
Management and Production Organization

Mode of study - full time

Duration - 2 years

Language - Russian (B2)

Price - 180 000 rub. (per year)

Special Disciplines:

- Quality Management in High-tech Industries
- Intellectual Property Management
- Digital Technologies in Production
- Technological Audit
- Manufacturing Logistics
- Risk Control and Management

Alumnus:

- Investment Fund Analyst
- Lead Manager
- Lead Economist
- Engineer
- Production Division Head



38.04.02 “Management” with Major “Innovative Management”

**Graduate Department - Department of Economics,
Management and Production Organization**

Mode of study - full time

Duration - 2 years

Language - Russian (B2)

Price - 180 000 rub. (per year)

Special Disciplines:

- Quantitative Methods in Management
- Data-Driven Analysis for Managers
- Marketing X.0
- Value-Based Management
- Organizational Behavior and Human Resource
- Foresight and Technological Forecasting
- Agile and Flexible Management Methodologies

Alumnus:

- Lead Business Analyst
- Systems Analyst
- Entrepreneur
- Startup Head
- R&D Specialist

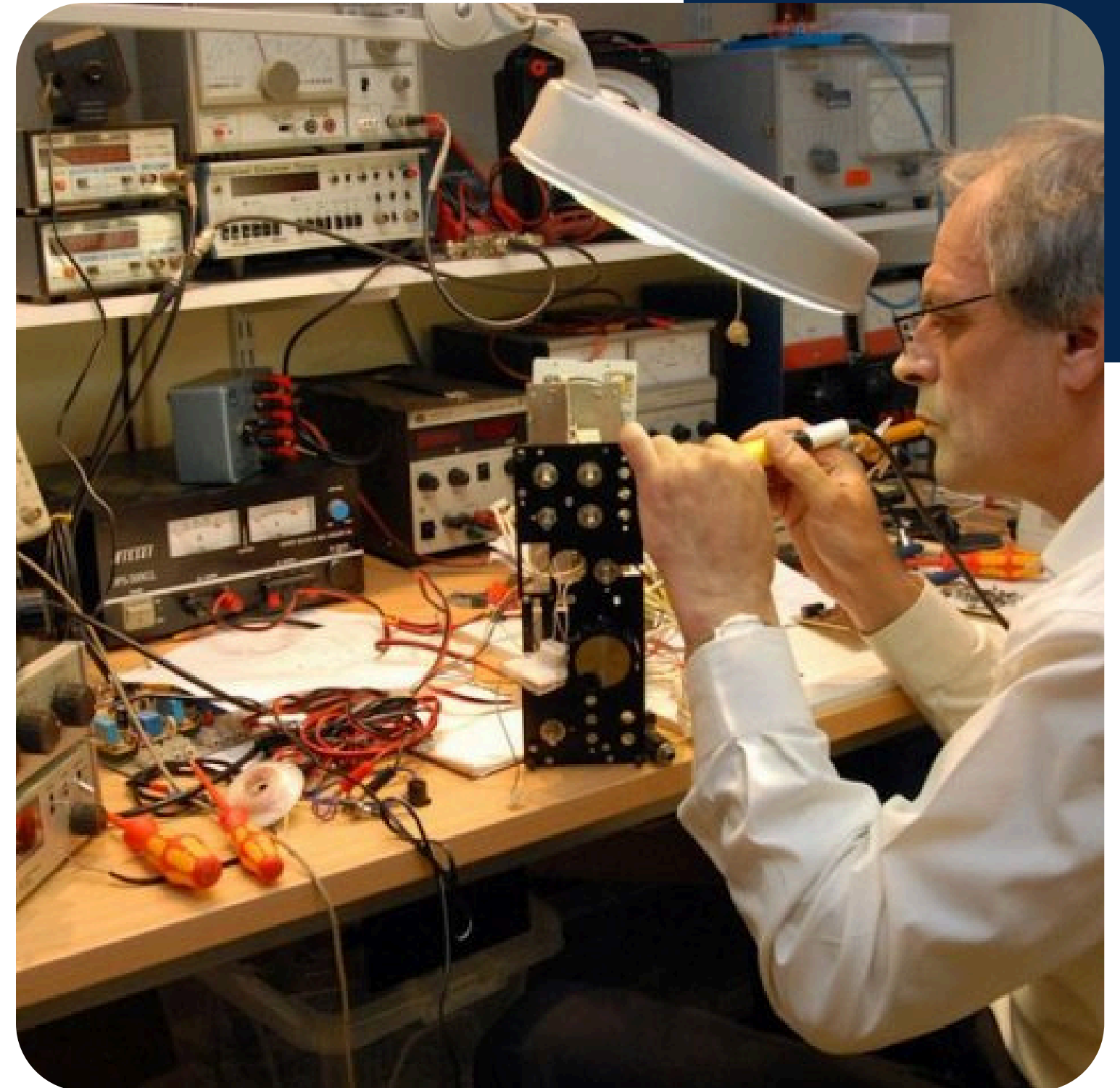


Faculty of Radio Engineering and Telecommunication



Our Faculty is one of the oldest radio engineering faculties in Russia. Faculty continues scientific traditions of a creator of Soviet radio engineering school and an inventor of radio Alexander Popov as well as our fellow countryman, famous scholar and spacecraft designer Vladimir Utkin.

- ✓ Department of Radio Engineering Systems
- ✓ Department of Wireless Devices
- ✓ Department of Radio Control and Communications
- ✓ Department of Basis of Radio Engineering and Telecommunication
- ✓ Department of Physical Education



Bachelor's degree programs

Major 11.03.01 "Radio Engineering" with 3 profiles

1. Academic program: "Hardware and Software Engineering of Radar and Navigation Systems"

Graduate Department - Department of Radio
Engineering Systems

Mode of study - full time Duration - 4 years

Language - Russian (B1) Price - 167 500 rub. (per year)

Special Disciplines:

- Digital Transmission Systems
- Optoelectronic Systems
- Microwave Devices and Antennas
- Signal Receiving and Processing Devices
- Electronic Surveillance Equipment
- Digital Logic Design using FPGAs
- Autoregressive Modeling of Radio Engineering Signals

Alumnus:

- Engineer
- Communications Operator
- Circuit Designer



Major 11.03.01 “Radio Engineering” with 3 profiles

2. Academic program: “Hardware and Software for Radio Monitoring and Electronic Warfare Systems”

Graduate Department - Department of Radio Engineering Systems

Mode of study - full time Duration - 4 years

Language - Russian (B1) Price - 167 500 rub. (per year)

Special Disciplines:

- Electrodynamics and Wave Propagation
- Ultra-high Frequency Devices and Antennas
- Heterostructure Optoelectronics
- Signal Receiving and Processing Devices
- Optical Devices in Radio Engineering
- Autoregressive Modeling of Radio Engineering Signals
- Doppler Filtering of Radar Signals

Alumnus:

- Engineer
- Communications Operator
- Circuit Designer



Major 11.03.01 “Radio Engineering” with 3 profiles

3. Academic program: “Wireless Technologies in Information Systems”

Graduate Department - Department of Radio Engineering Devices

Mode of study - full time Duration - 4 years

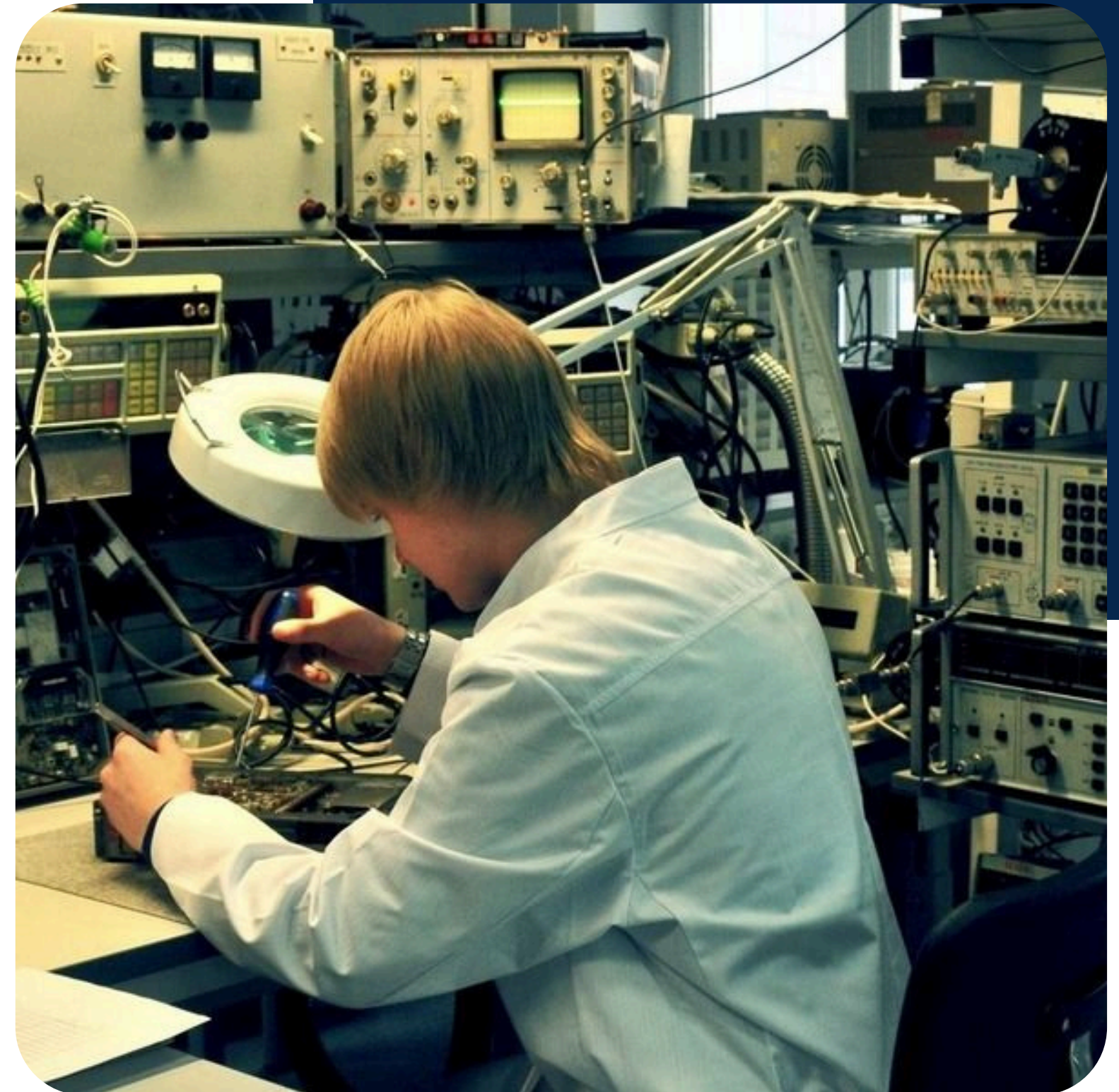
Language - Russian (B1) Price - 180 000 rub. (per year)

Special Disciplines:

- Optical Devices in Radio Engineering
- Wireless Data Transmission Technologies
- Design of Wireless Radio-electronic Equipment
- Microwave Transceiver Devices
- Satellite Radio Receiver Systems
- Energy-saving Technologies in Wireless Radio-electronic Equipment
- Digital Devices and Microprocessors

Alumnus:

- Engineer
- Communications Operator
- Circuit Designer



Major 11.03.02 “Infocommunication Technologies and Communication Systems” with 2 profiles

1. Academic program: “Networks, Systems and Telecommunication Devices” with Minor “Software and Hardware Engineering in Telecommunications and IoT”

Graduate Department - Department of Radio Control and Communications

Mode of study - full time Duration - 4 years

Language - Russian (B1) Price - 180 000 rub. (per year)

Special Disciplines:

- Intelligent Networks
- Modern Methods of Coding and Modulation
- Digital Signal Processing and Signal Processors
- Network Technologies for High-speed Data Transmission
- Electromagnetic Compatibility of Telecommunication Systems
- Information Protection in Multichannel Telecommunication Systems

Alumnus:

- Engineer
- Programmer
- System Administrator
- Communications Engineer



Major 11.03.02 “Infocommunication Technologies and Communication Systems” with 2 profiles

2. Academic program: “Software-configurable Wireless Infocommunication Systems and Networks

Graduate Department - Department of Basis of Radio Engineering and Telecommunication

Mode of study - full time Duration - 4 years

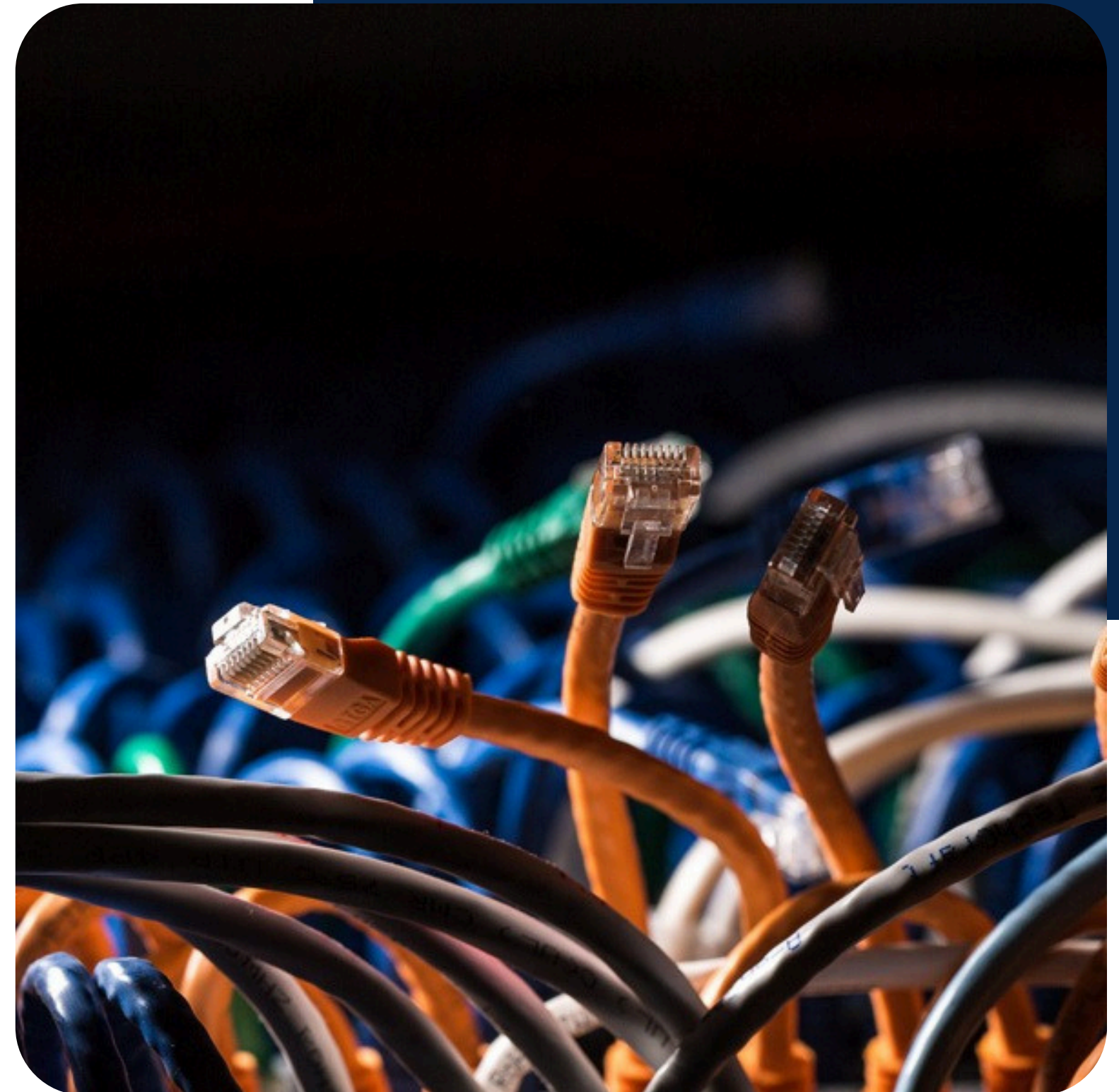
Language - Russian (B1) Price - 180 000 rub. (per year)

Special Disciplines:

- Simulation of TCS in Simulink
- Information Protection in Mobile Radio Communication Systems
- Intelligent Networks
- Modern Methods of Coding and Modulation
- Processing Speech and Video Signals Methods in Information and Telecommunication Systems

Alumnus:

- Engineer
- Programmer
- System Administrator
- Communications Engineer



Master's degree programs

Major 11.04.01 "Radio Engineering" with 2 profiles

1. Academic program: "Wireless Technologies in Radio Systems and Devices"

Graduate Department - Department of Wireless
Devices

Mode of study - full time

Duration - 2 years

Language - Russian (B2)

Price - 180 000 rub. (per year)

Special Disciplines:

- Functioning Algorithms for Aircraft Onboard Radar Signals Detection Systems
- Methods and Algorithms of Spatiotemporal Signal Processing
- System Design in Radio Engineering
- Basis of System Design Using FPGAs
- Ultra-Wideband Signals and Systems

Alumnus:

- Lead Engineer
- Design Engineer
- Head of R&D Department



Major 11.04.01 “Radio Engineering” with 2 profiles

2. Academic program: “Radio Engineering Systems for Location, Navigation and Electronic Warfare”

Graduate Department - Department of Wireless
Devices

Mode of study - full time Duration - 2 years

Language - Russian (B2) Price - 180 000 rub. (per year)

Special Disciplines:

- Functioning Algorithms for Aircraft Onboard Radar Signals Detection Systems
 - Methods and Algorithms of Spatiotemporal Signal Processing
 - System Design in Radio Engineering
 - Basis of System Design Using FPGAs
 - Multifunctional Radar Systems
 - Signals Spectral Analysis Methods
- Alumnus:**
- Lead Engineer
 - Design Engineer
 - Head of R&D Department



11.04.02 “Infocommunication Technologies and Communication Systems” with Major “Networks, Systems Telecommunication Devices”

Graduate Department - Department of Basis of Radio Engineering and Telecommunication

Mode of study - full time

Duration - 2 years

Language - Russian (B2)

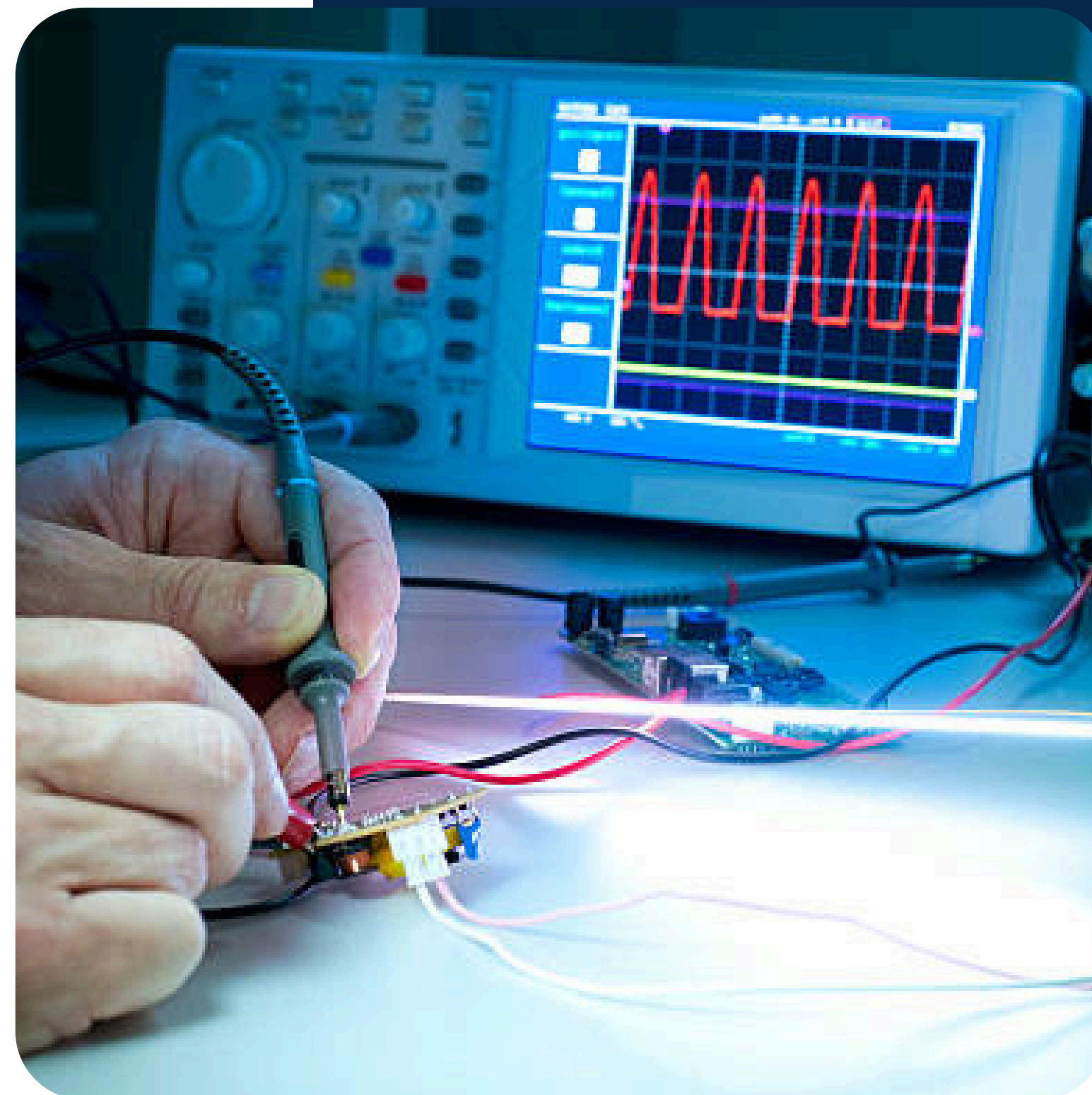
Price - 180 000 rub. (per year)

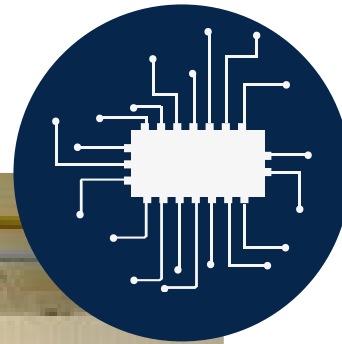
Special Disciplines:

- Multimedia Technologies
- Speech Quality Estimation Methods on Infocommunication Channels Output
- Intelligent Networks and Communication Systems
- Statistical Radio Engineering;
- Multicriteria Synthesis of Signals and Processing Devices

Alumnus:

- Lead Engineer
- Design Engineer
- Head of R&D Department





Faculty of Electronics

Our Faculty is one of the leading University Faculties. We carefully keep our scientific traditions, but are constantly improving according to the requirements of employers and modern trends in the labor market.



- ✓ Department of Industrial Electronics
- ✓ Department of Electronic Devices
- ✓ Department of Chemical Technology
- ✓ Department of Micro- and Nanoelectronics
- ✓ Department of General and Experimental Physics

Bachelor's degree programs

03.03.01 "Applied Mathematics and Physics" with Major "Electronics, Quantum Systems and Nanotechnologies"

Graduate Department - Department of Micro- and Nanoelectronics

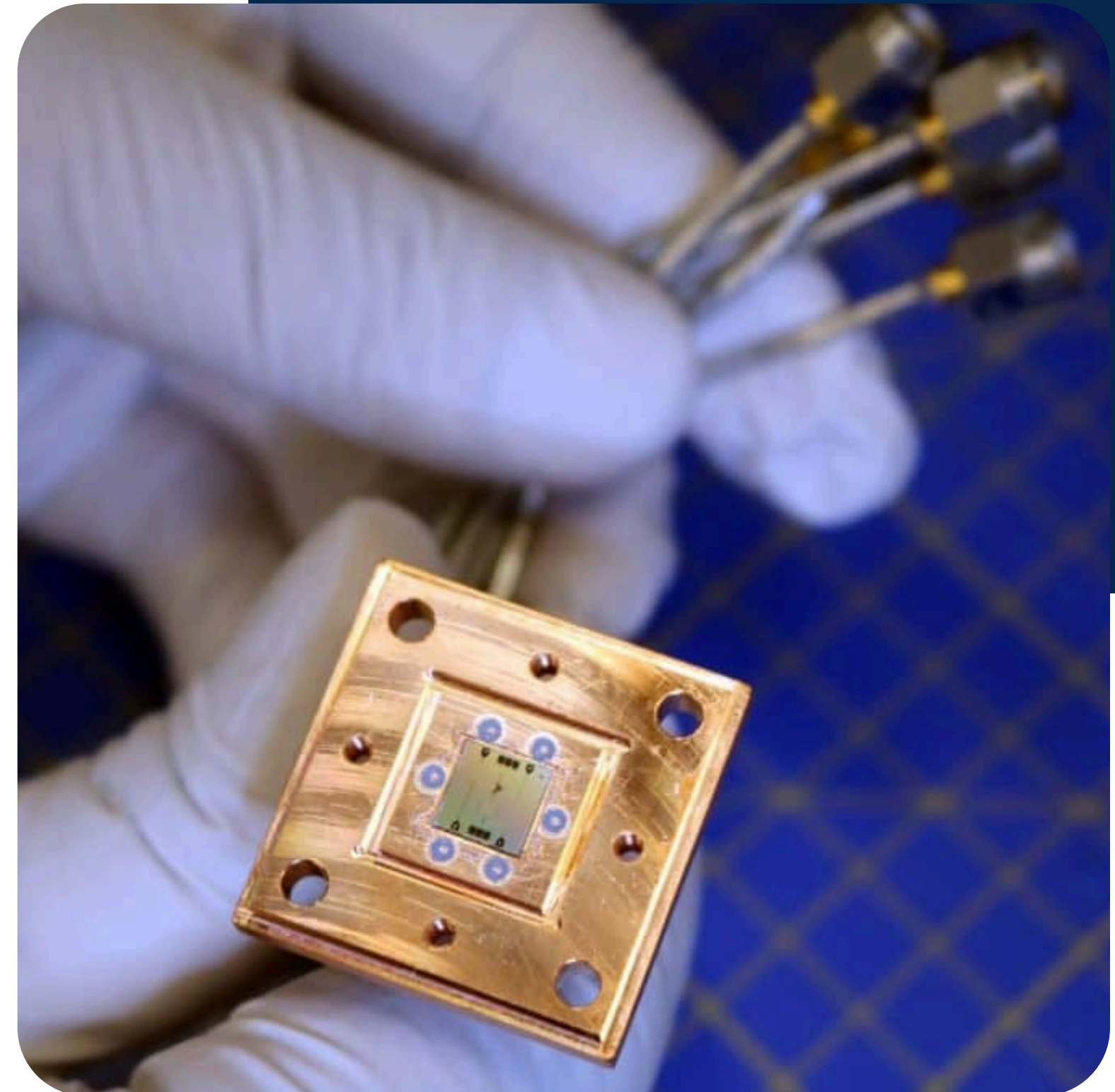
Mode of study - full time Duration - 4 years

Language - Russian (B1) Price - 167 500 rub. (per year)

Special Disciplines:

- Computer Science and Programming
- Computer Simulation
- Quantum Mechanics
- Optics and Photonics
- Semiconductor Physics and Technology
- Circuit Design
- Digital and Analog Electronics
- Quantum Technology Specialist
- Complex Algorithms Developer
- Research Engineer
- Design Engineer
- Materials Technologist

Alumnus:



11.03.03 “Electronic Means Design and Technology” with Major “Automation and Electronics Devices Design”

Graduate Department - Department of Industrial Electronics

Mode of study - full time

Duration - 4 years

Language - Russian (B1)

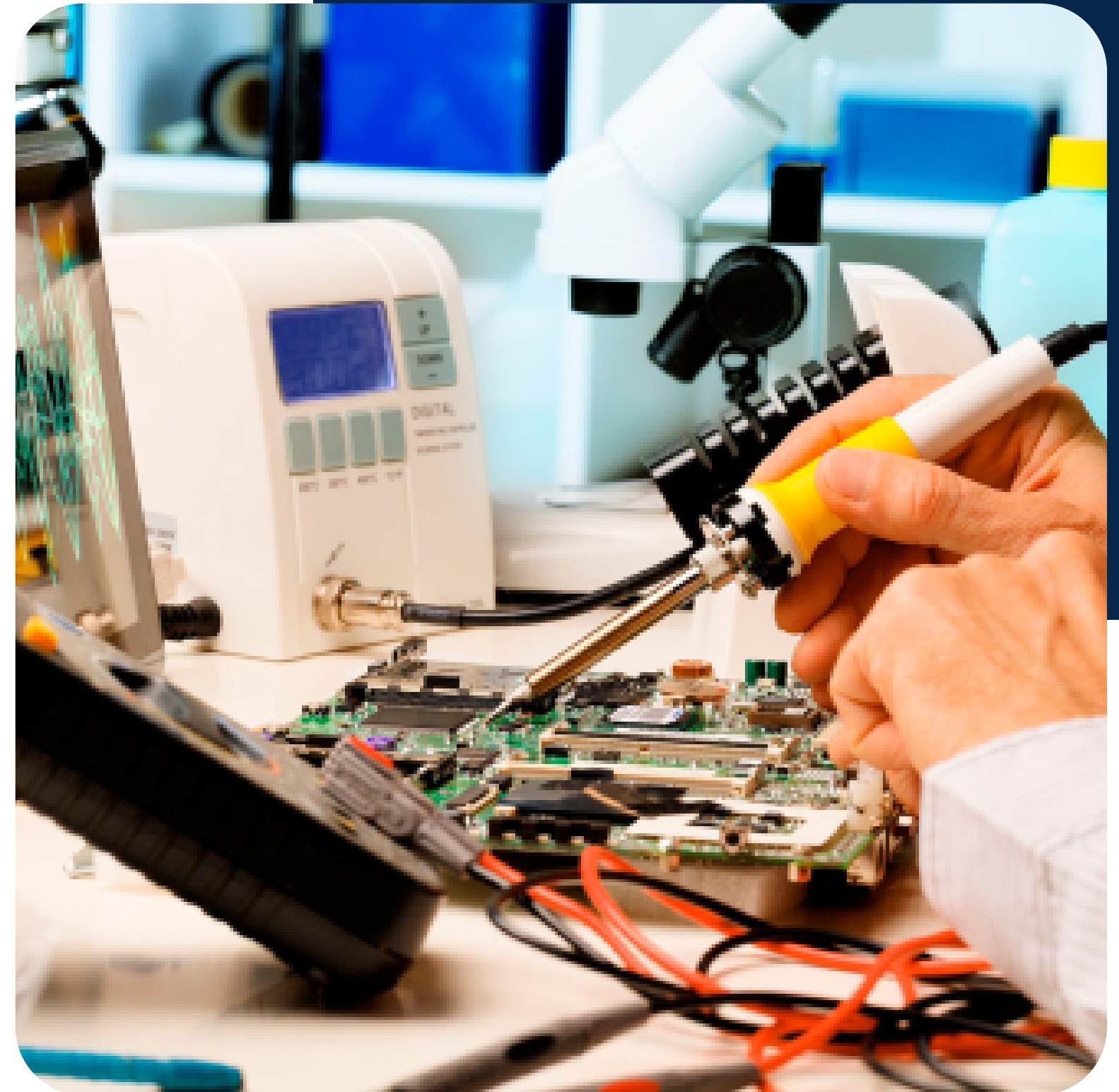
Price - 167 500 rub. (per year)

Special Disciplines:

- CAD/CAM/CAE/PDM-Systems
- Digital and Analog Circuitry
- Industrial Design
- Microprocessors and FPGAs Programming and Design
- Engineering Graphics
- Algorithmic Languages and Programming
- IoT

- Engineer
- Machine Learning Specialist
- Security Researcher

Alumnus:



11.03.04 “Electronics and Nanoelectronics” with 3 profiles

1. Academic program: “Industrial Electronics”

Graduate Department - Department of Industrial Electronics

Mode of study - full time

Duration - 4 years

Language - Russian (B1)

Price - 167 500 rub. (per year)

Special Disciplines:

- CAD/CAM/CAE/PDM-Systems
- Digital and Analog Circuitry
- Industrial Design
- Microprocessors and FPGAs Programming and Design
- Laser Technology
- Algorithmic Languages and Programming
- Digital Electronics

- Engineer
- Installer
- Electrical Equipment Adjusters

Alumnus:



11.03.04 “Electronics and Nanoelectronics” with 3 profiles

2. Academic program: “Micro- and Nanoelectronics”

Graduate Department - Department of Micro- and Nanoelectronics

Mode of study - full time

Duration - 4 years

Language - Russian (B1)

Price - 167 500 rub. (per year)

Special Disciplines:

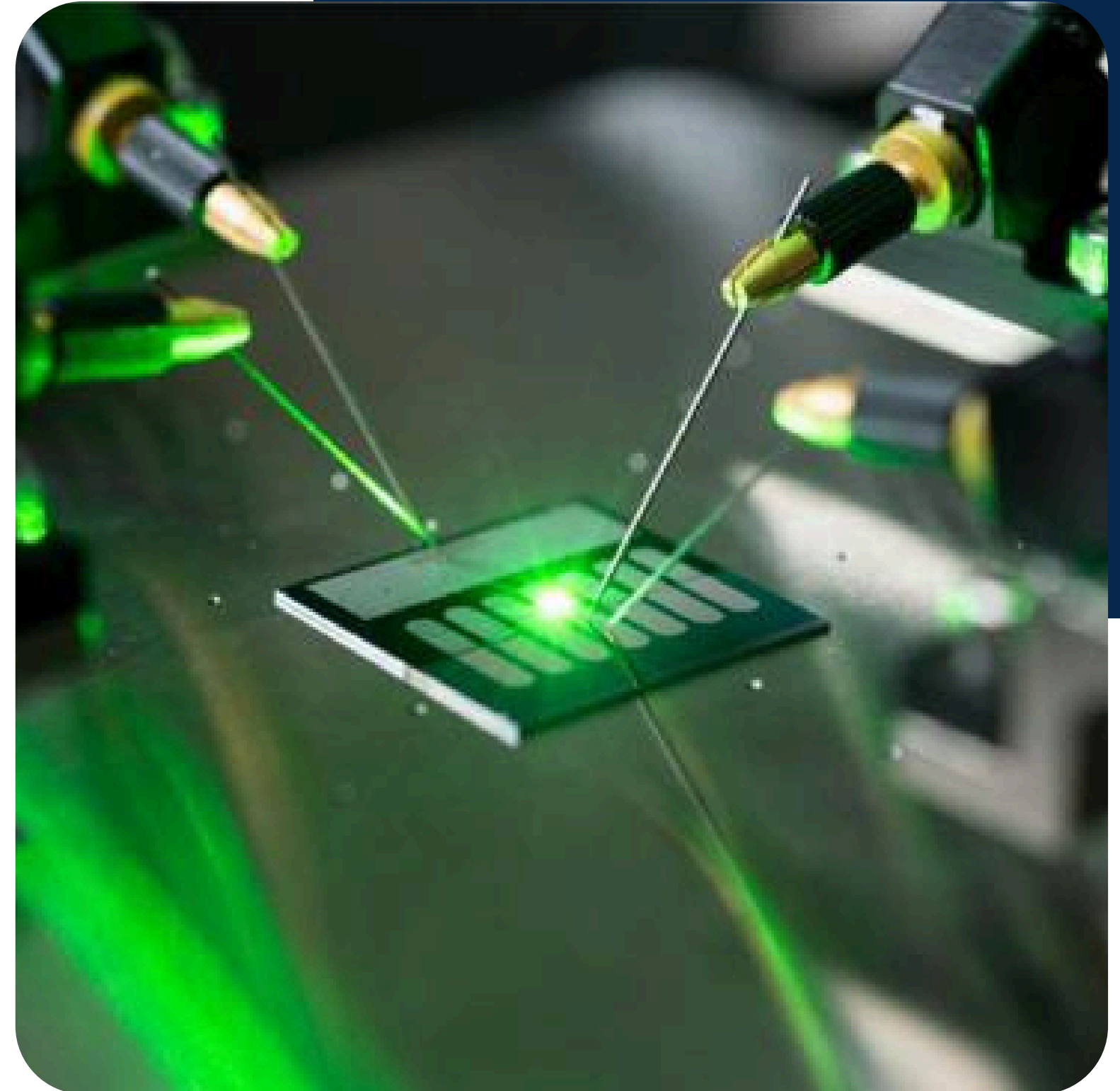
- CAD/CAM/CAE/PDM-Systems
- Digital and Analog Circuitry
- Complex Functional Electronic Blocks
- Microprocessors and FPGAs Programming and Design
- Engineering Graphics
- Modern Micro- and Nanotechnologies
- Microcircuitry

• Engineer

• Intelligent Systems Developer

• Nanomaterials Design Engineer

Alumnus:



11.03.04 “Electronics and Nanoelectronics” with 3 profiles

3. Academic program: “Radio Engineering Electronics”

Graduate Department - Department of Industrial Electronics

Mode of study - full time Duration - 4 years

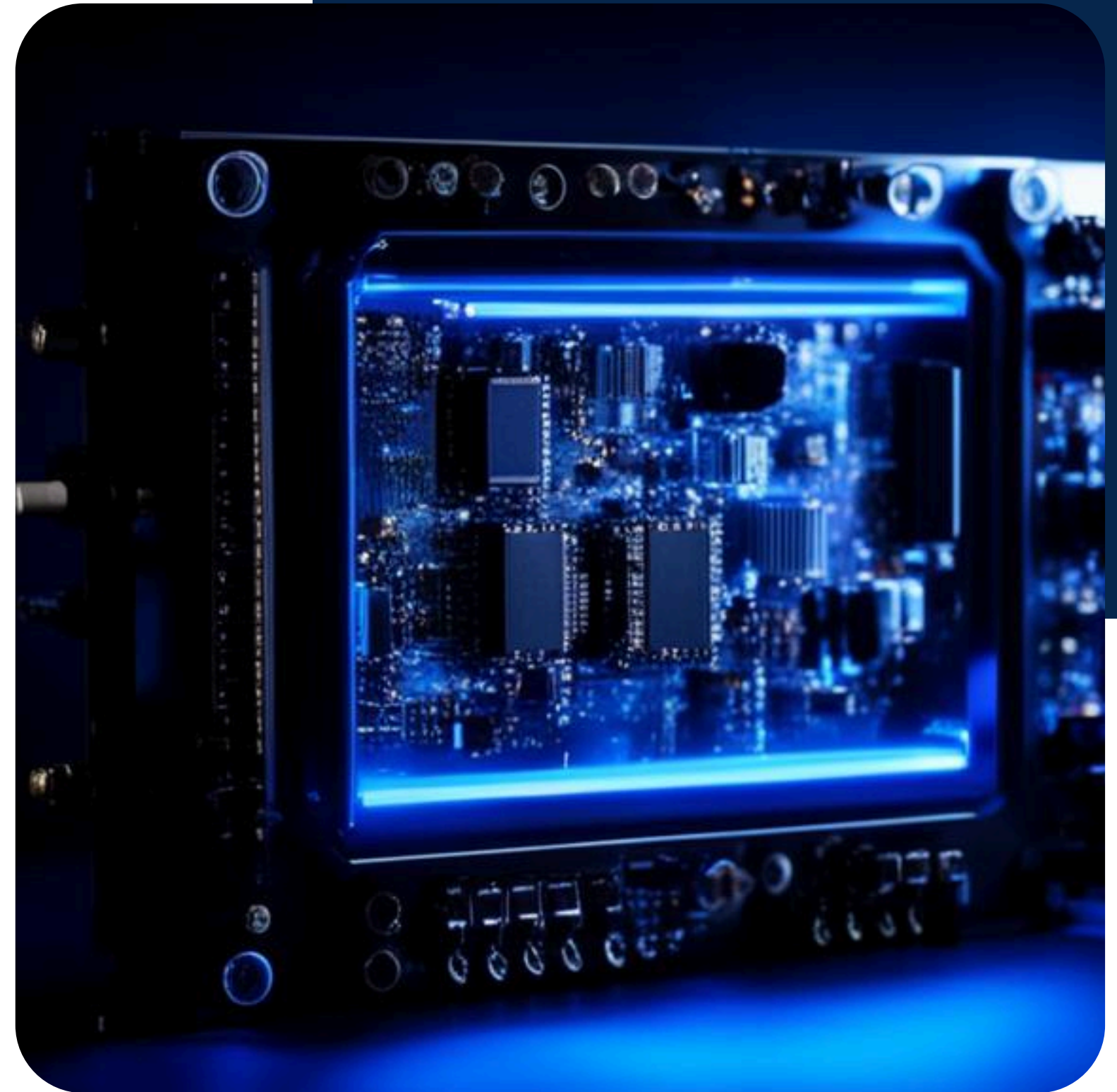
Language - Russian (B1) Price - 167 500 rub. (per year)

Special Disciplines:

- CAD/CAM/CAE/PDM-Systems
- VLSI
- Electronic Circuits and Signals
- Lighting Engineering
- Laser Technology in Manufacturing
- Laser and Fiber-Optic Information Devices
- Microwave Devices

Alumnus:

- Engineer
- Electronic Devices Designer
- Electrical Equipment Adjusters



13.03.02 “Power and Electrical Engineering” with Major “Electric Power Supply”

**Graduate Department - Department of Industrial
Electronics**

Mode of study - full time

Duration - 4 years

Language - Russian (B1)

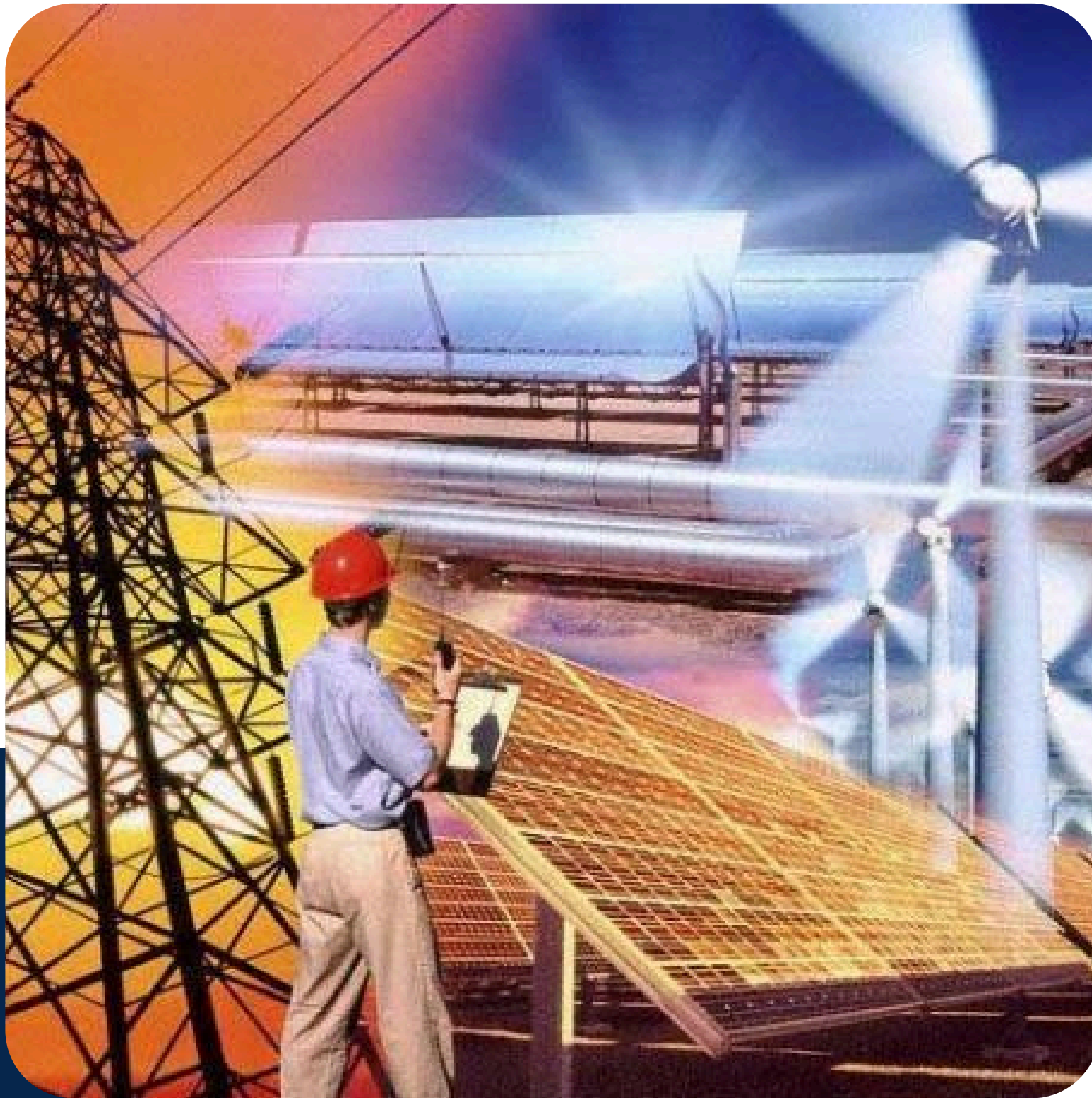
Price - 167 500 rub. (per year)

Special Disciplines:

- Relay Protection and Automation
- High-voltage Technology
- Renewable Energy Sources
- Reliability of Power Supply
- Means of Dispatch and Process Control
- Diagnostics of Electrical Equipment
- Electrical Equipment of Stations and Substations

Alumnus:

- Electrical Engineer
- Engineer-technologist
- Power Engineer



18.03.01 “Chemical Engineering” with 2 profiles

1. Academic program: “Chemical Technology of Natural Energy Carriers and Carbon Materials”

**Graduate Department - Department of Chemical
Technology**

Mode of study - full time

Duration - 4 years

Language - Russian (B1)

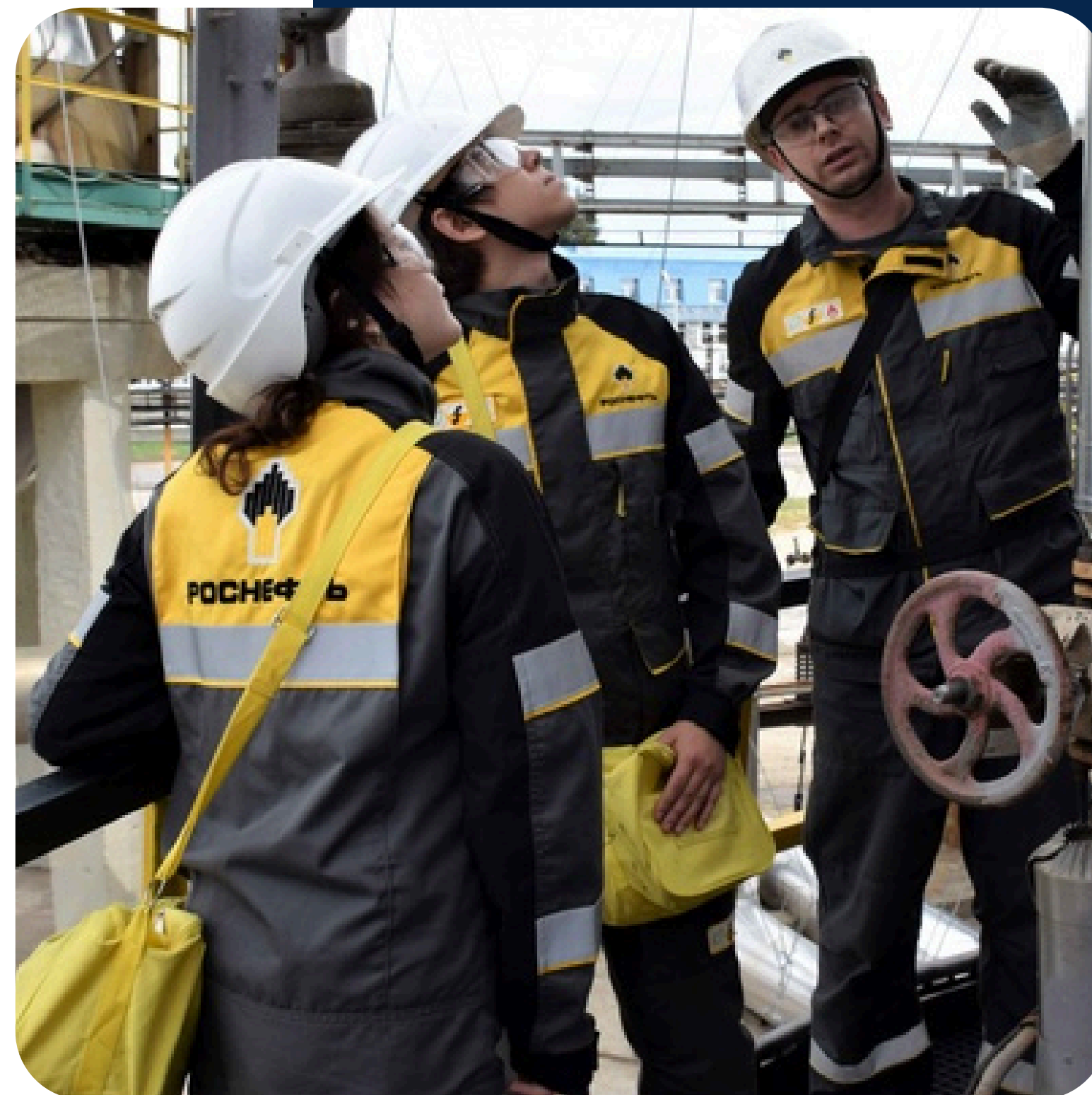
Price - 167 500 rub. (per year)

Special Disciplines:

- Spectroscopic Methods to Study Petroleum Products
- Three-dimensional Simulation of Chemical Processes
- Materials Science and Corrosion Protection
- Catalyst Production
- Refinery Catalyst Technology
- Lubricant Production Technology and Chemmotology
- Natural Energy Carriers Chemistry

- Electrochemist
- Research Chemist
- Lab assistant

Alumnus:



18.03.01 “Chemical Engineering” with 2 profiles

2. Academic program: “Electrochemical Production Technology”

**Graduate Department - Department of Chemical
Technology**

Mode of study - full time Duration - 4 years

Language - Russian (B1) Price - 167 500 rub. (per year)

Special Disciplines:

- PCB Manufacturing Technology
- Chemical Coating Technology
- Three-dimensional Simulation of Chemical Processes
- Materials Science and Corrosion Protection
- Electrochemical Coatings of Metals and Alloys
- Computer Technologies to Design Chemical Plants
- Analysis and Optimization of Electrochemical Systems

Alumnus:

- Engineer
- Electrochemist
- Technologist



Master's degree programs

11.04.04 "Electronics and Nanoelectronics" with 3 profiles

1. Academic program: "Industrial Electronics"

Graduate Department - Department of Industrial Electronics

Mode of study - full time Duration - 2 years

Language - Russian (B2) Price - 180 000 rub. (per year)

Special Disciplines:

- CAD/CAM/CAE/PDM-Systems
 - Digital and Analog Circuitry
 - Industrial Design
 - Microprocessors and FPGAs Programming and Design
 - Laser Technology
 - Algorithmic Languages and Programming
 - Digital Electronics
- Alumnus:**
- Lead Engineer
 - Installer
 - Electrical Equipment Adjusters



11.04.04 “Electronics and Nanoelectronics” with 3 profiles

2. Academic program: “Micro- and Nanoelectronics”

Graduate Department - Department of Micro- and Nanoelectronics

Mode of study - full time

Duration - 2 years

Language - Russian (B2)

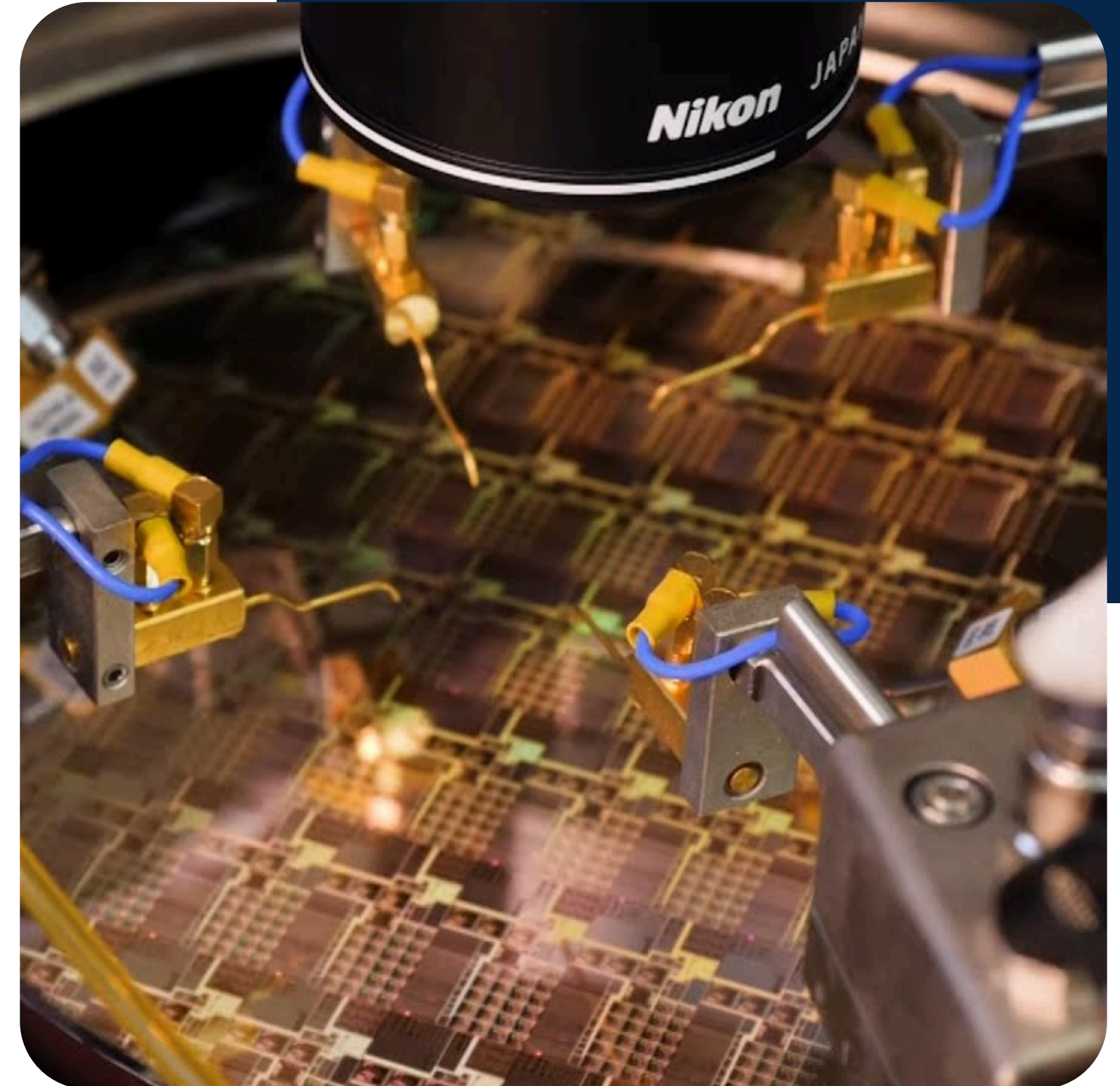
Price - 180 000 rub. (per year)

Special Disciplines:

- Smart Materials and Structures in Electronics
- Adaptive Materials
- Complex-Functional Blocks Design
- Electronic Processes in Solids
- System-On-A-Chip Technology
- Programmable Logic Implementation in Nanoelectronics
- Nanomaterials and Nanostructures Properties Control

- Lead Engineer
- Intelligent Systems Developer
- Nanomaterials Design Engineer
- Head of R&D Department

Alumnus:



11.04.04 “Electronics and Nanoelectronics” with 3 profiles

3. Academic program: “Electronic Devices and Equipment”

Graduate Department - Department of Industrial Electronics

Mode of study - full time Duration - 2 years

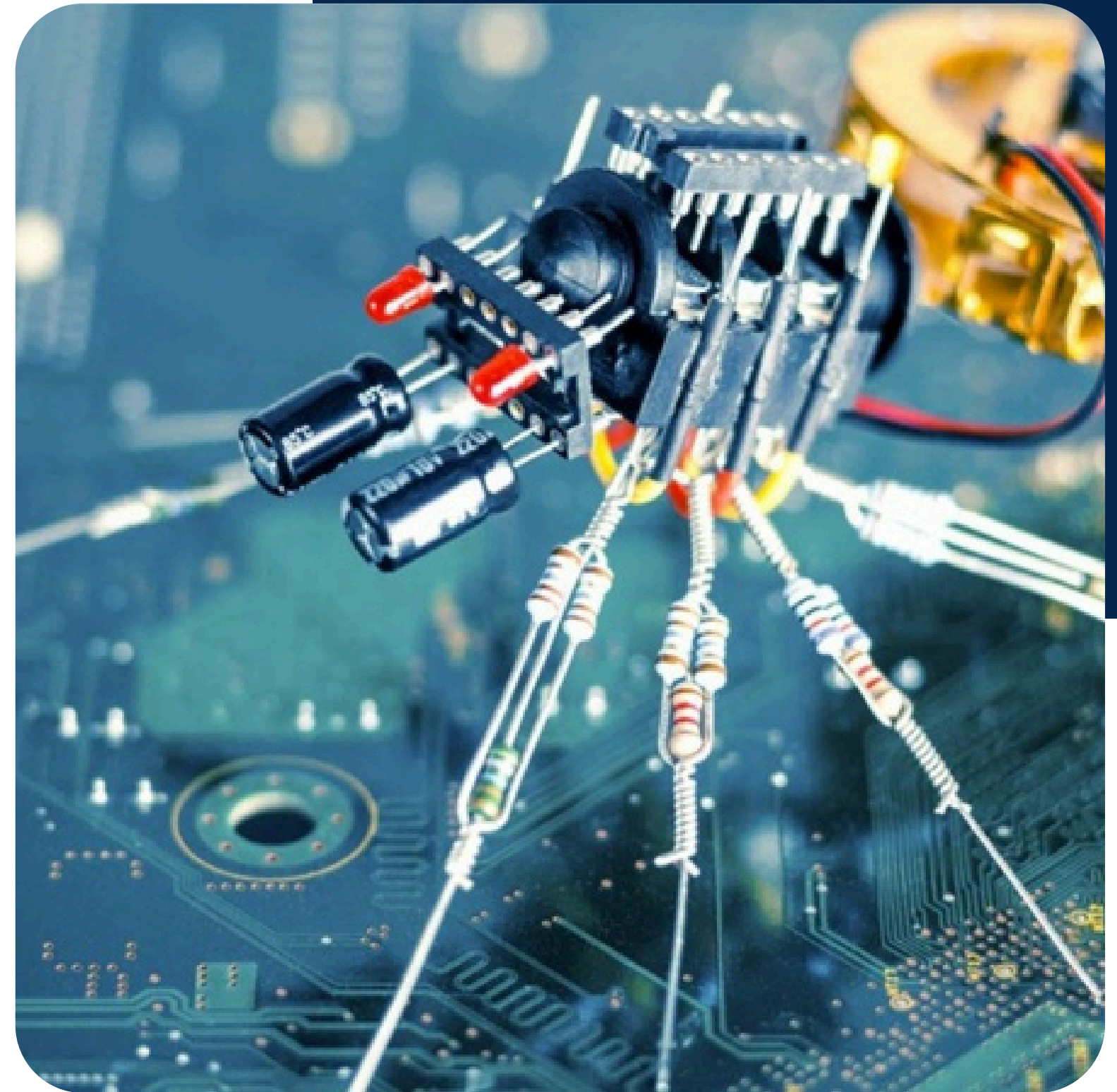
Language - Russian (B2) Price - 180 000 rub. (per year)

Special Disciplines:

- CAD/CAM/CAE/PDM-Systems
- Microwave Equipment
- Inertial Sensors
- Calculation and Design of Microwave Instruments and Devices
- Electronic Devices in Inertial Technologies
- Optoelectronic Systems and Devices
- MEMS-Technologies in Electronics

Alumnus:

- Lead Engineer
- Electronic Devices Designer
- Electrical Equipment Adjusters





13.04.02 “Power and Electrical Engineering” with Major “Electric Power Supply”

**Graduate Department - Department of Industrial
Electronics**

Mode of study - full time Duration - 2 years

Language - Russian (B2) Price - 180 000 rub. (per year)

Special Disciplines:

- Microprocessor and Analog Relay Protection Systems
- Electrical Installations of Digital Substations
- Active-adaptive Electrical Systems
- Modern Electrical Equipment Application and Development
- Electrical Energy Quality Improving
- Diagnostics of Electrical Equipment

Alumnus:

- Electrical Engineer
- Engineer-technologist
- Power Engineer
- Head of R&D Department

Are You Ready For Join? Call us or Send e-mail now!

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