**The list of educational directions and specialties**

**for training foreign students at Bachelor level**

**in National Research University “Moscow Power Engineering Institute “**

**2016**

| **Directions and Specialties of Bachelor programs** | **Code** |
| --- | --- |
| **INSITUTE OF POWER MACHINERY AND MECHANICS**  |
| Direction **Applied Mechanics** | **15.03.03** |
| Dynamics and Strength of Machines, Instruments and Equipment |  |
| Direction **Mechatronics and Robotics**  | **15.03.06** |
| Computer Control Technologies in Robotics and Mechatronics  |  |
| Direction **Power Engineering Machinery** | **13.03.03** |
| Boilers, Combustion Chambers, and Steam-Generators of Nuclear Power Plants  |  |
| Gas-Turbine, Steam-Turbine Installations and Engines |  |
| Automated Hydraulic and Pneumatic Systems and Aggregates  |  |
| Power Engineering Equipment Manufacturing  |  |
| Direction **Mechanical Engineering**  | **15.03.01** |
| Machines and Technologies of High-Effective Processes of Materials Treatment |  |
| **INSTITUTE OF THERMAL AND NUCLEAR POWER ENGINEERING**  |
| Direction **Thermal Power Engineering and Heat Engineering** | **13.03.01** |
| Thermal Power Plants  |  |
| Water and Fuel Technology at Thermal and Nuclear Power Plants  |  |
| Automated Control Systems for Thermal Processes at Thermal and Nuclear Power Plants |  |
| Direction **Nuclear Power Engineering and Thermophysics** | **14.03.01** |
| Thermophysics  |  |
| Nuclear Power Plants and Installations  |  |
| Low Temperature Physics and Engineering  |  |
| Thermonuclear Reactors and Plasma Installations  |  |
| Nano-Technologies and Nano-Materials in Power Engineering  |  |
| **INSTITUTE OF ENERGY EFFICIENCY PROBLEMS**  |
| Direction **Thermal Power Engineering and Heat Engineering**  | **13.03.01** |
| Industrial Heat Engineering  |  |
| Power Engineering of Heat Technologies |  |
| Power Supply at Enterprises  |  |
| Off-Line Power Engineering Systems  |  |
| Economics and Management at Thermal Power Engineering Enterprise  |  |
| **INSTITUTE OF ELECTRICAL ENGINEERING**  |
| Direction **Electrical Power Engineering and Electrical Engineering** | **13.03.02** |
| Electromechanics  |  |
| Electrical and Electronic Apparatuses  |  |
| Electrical Insulation, Cable and Condenser Engineering  |  |
| Electrical Drive and Automatics  |  |
| Electrical Technological Installations and Systems  |  |
| Electrical Transport |  |
| Electrical Equipment of Flying Vehicles  |  |
| Electrical Equipment of Motor-Cars and Tractors  |  |
| Electrical Equipment of Enterprises, Organizations, and Institutions  |  |
| Technogeneous Safety in Electrical Power Engineering and Electrical Engineering  |  |
| Direction **Electronics and Nano-Electronics** | **11.03.04** |
| Nano-technology at Electronics |  |
| **INSTITUTE OF ELECTRICAL POWER ENGINEERING**  |
| Direction **Electrical Power Engineering and Electrical Engineering** | **13.03.02** |
| Electrical Power Plants |  |
| Electrical Power Systems and Networks  |  |
| Electrical Power Supply  |  |
| High-Voltage Electrical Power Engineering and Electrical EngineeringEngineering and Electrical Physics of High Voltages |  |
| Hydroelectric Power Plants  |  |
| Non-conventional and Renewable Energy Sources  |  |
| Relay Protection and Automation of Electrical Power Systems  |  |
| Management in Electrical Power Engineering and Electrical Engineering  |  |
| **INSTITUTE OF AUTOMATICS AND COMPUTER ENGINEERING**  |
| Direction **Applied Mathematics and Informatics** | **01.03.02** |
| Mathematical and Software Support for Computing Machines and Computer Networks |  |
| Mathematical Simulation  |  |
| Direction **Informatics and Computer Engineering**  | **09.03.01** |
| Computing Machines, Complexes, Systems and Networks  |  |
| Computing-measurement systems |  |
| Computer-Aided-Design Systems  |  |
| Automated Systems for Information Processing and Control |  |
| Direction **Control in Engineering Systems** | **27.03.04** |
| Control and Informatics in Engineering Systems |  |
| Systems and Technical Means for Automation and Control |  |
| Direction **Instrumentation** | **12.03.01** |
| Devices and Methods for Quality Control and Diagnostics |  |
| **INSTITUTE OF RADIO ENGINEERING AND ELECTRONICS**  |
| Direction **Electronics and Nano-electronics** | **11.03.04** |
| Microelectronics and Solid-State Electronics  |  |
| Electronic Devices and Facilities  |  |
| Industrial Electronics |  |
| Light Engineering and Light Sources |  |
| Quantum and Optical Electronics |  |
| Direction **Radio Engineering** | **11.03.01** |
| Radio Engineering Facilities for Information Transmission, Reception and Processing |  |
| Direction **Bioengineering Systems and Technologies** | **12.03.04** |
| Bioengineering and Medical Apparatuses and Systems  |  |