

## **Abstract of the educational program of the magistracy**

### **Direction of preparation 14.04.01 Nuclear power engineering**

The language of instruction is English

Term of study -2 years

Programme curator: Kirill V. Kutsenko

**Program objectives:** training highly qualified specialists in the field of physics and thermal physics of NPP for expert, design, production, technological, research and organizational and managerial activities in the development and operation of promising nuclear power plants.

The master's program includes the disciplines of compulsory component, discipline of choice, practice, research work and work on the final qualifying work. A special place in the curriculum given to disciplines that help to understand the current challenges facing the nuclear industry. Physics of nuclear reactors, nuclear fuel cycle, input, output and operation of nuclear power plants, nuclear safety and control systems and the protection of nuclear power plants – a discipline that provide the necessary competence to solve problems for the development of nuclear energy.

The area of professional activity of graduates of the master's program includes: A set of tools, techniques and methods of human activity related to the development, creation and operation of facilities that produce, transform and use of nuclear energy. Graduates are in demand in high-tech industries, which are implemented and improved processes with innovative solutions to complex.