

14.05.01 Innovative Nuclear Reactors

Program objective

preparing graduates for research, engineering and safety analysis of nuclear power facilities.

The program provides in-depth training on the neutron-physical and heat-hydraulic processes in the nuclear reactor core under normal operating conditions as well as in the emergency state and transient conditions.

Alumni professional activities

- theoretical advancements; research data registration and processing for further development;
- creation and application of nuclear facilities and systems;
- research of non-equilibrium physical processes, distribution and interaction of radiation with objects of animate and inanimate nature;
- research and design of nuclear reactors, advanced and special nuclear power plants, nuclear and radiation systems for nuclear safety and security.