

Innovation Nuclear Reactors

National Research Nuclear University MEPhI (Moscow Engineering Physics Institute)

Degree or qualification is awarded: **Specialist diploma**

Language of study: **Russian**

Mode of study: **full-time**

Duration: **5 years**

Availability of free education: **no**

Price: **148 300**

Programme webpage at the university website:

https://eng.mephi.ru/content/public/uploads/files/Program/specialist/inphe/14.05.01_innovative_nuclear_reactors.pdf

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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.

Specializations within this programme