Physics and thermal physics of innovative nuclear power installations

National Research Nuclear University MEPhI (Moscow Engineering Physics Institute)

Degree or qualification is awarded: **Master degree**

Language of study: **Russian**
Mode of study: **full-time**
Duration: **2 years**
Availability of free education: **yes**
Price: **207 610 rubles per semester**

Programme curator: **Vladimir S. Kharitonov**
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Basic department: Thermal Physics (No. 13), Theoretical and Experimental Physics of Nuclear Reactors (No. 5)

Highly qualified specialists in the field of thermal physics for nuclear power research, expert, design, production and technological, organizational and managerial activities in the development and operation of advanced nuclear power plants, including fusion.

Objects for professional activity of the specialists graduated from the Program: nuclear reactors, numerical analysis of nuclear reactors, foundation of safe operation, designing nuclear power facilities, mathematical models for theoretical and experimental studies on thermo-physical phenomena and relationships in nuclear area, transport of ionizing radiation and its interaction with animate and inanimate natural objects, safety ensuring of nuclear power units and nuclear industry facilities.

Part of the curriculum is also implemented in English.

Specializations within this programme

Nuclear Power Engineering and Thermal Physics

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