

14.04.01 Nuclear Power Engineering and Thermophysics

Nuclear Power Plants

Program objective

To train specialists who can puzzle put in analysis, safety assessment and economic feasibility of projects for modern nuclear power plants construction.

The curriculum covers the following subjects:

- computer technologies for science and education
- R&D economics of research and development
- theoretical and experimental studies in thermal physics
- innovations in nuclear power generation
- NPP equipment diagnostics
- NPP supervisory control and data acquisition systems (SCADA)
- basic nuclear safety principles.

Curriculum competitive advantage

integration of the fundamental technical education with practical training modules. MEPhI academia and scientists involve students in up-to-date research activities in Obninsk-based research institutions to advance and master the knowledge and skills.

Future employment

The balanced curriculum and high standard of teaching enable the program alumni to hold positions in the main NPP subdivisions and at nuclear research centers.