

14.04.02 Nuclear Physics and Engineering

Nuclear power technologies of new generation

Program objective

To train specialists who will be able to develop new solutions for the nuclear power industry.

Curriculum subject areas

- closed fuel cycle technologies (uranium-238 and processed nuclear fuel products)
- radiochemistry
- physical theory of fast neutron reactors
- reprocessing technologies
- nuclear fuel enrichment

Graduates will be able to develop a new technological platform for nuclear energy, ensure the transition to a fundamentally new level of nuclear safety, and tackle global challenges associated with increasing the efficiency of natural uranium and spent nuclear fuel use.