

14.04.02 Nuclear Physics and Engineering

Radioecology and Radiation Protection

Program objective

training professionals for such research areas as radiation ecology, nuclear engineering and non-power applications of nuclear and radiation technologies.

Competitive advantage

combination of academic and practical training that develop skills and expertise in nuclear engineering with an emphasis on radiation protection of people and the environment.

Curriculum subject areas

- radiation dosimetry and protection
- environmental safety of nuclear fuel cycle
- instrumentation for radiation measurements
- radiobiological effect in living matter
- radiation chemistry
- geochemistry of radioisotopes
- radiation monitoring
- radioactive waste management
- emergency preparedness