

16.04.02 High-Tech Plasma and Power Plants

Controlled Fusion and Plasma Technologies

Program objective

to provide students with high-quality physics and mathematics knowledge and engineering training so that they are able to search for solution to the problems of fundamental and applied science.

Students form a basic understanding about the methods of diagnostics, parameter operation and production of plasma («Low Temperature Plasma Physics», «Hot Plasma and Controlled Fusion», «Plasma Facilities» etc.).

Career opportunities

- high-tech industries and knowledge-based businesses;
- international thermonuclear program and international ITER project;
- academic institutes and centers exploring plasma and plasma-like matter, including extreme states, space and laboratory conditions
- companies dealing with innovative technological applications of plasma in the fields of production, ecology, medicine.