

Engels Institute of Technology (Branch)
Department of Technology and Equipment of Chemical, Oil and Gas
and Food Production Industries

**Development of scientific approach and technological principles
for creating of polymer-matrix composite materials for functional
purposes based on dispersed fiber fillers.**

Duration: 1 months

Supervisor: Professor Tatiana Ustinova

e-mail: xtsgtu@yandex.ru

Language of training: English

Audience: post-graduate students

The department «Technology and Equipment of Chemical, Oil and Gas and Food Production Industries» is ready to accept for short-term training of post-graduate students of foreign universities in the following area related to the scientific activities of the department:

Description: training includes polymer-matrix composite materials obtaining and investigation of their physical-mechanical, chemical and thermophysical properties.

The department has a material and technical base, including equipment for obtaining samples from polymer composite materials, and also has test equipment for evaluating the performance properties of polymers:

1. IR-Fourier spectrometer " IRTracer-100»;
2. WDW-5E universal testing machine;
3. X-MET 7500 metal analyzer;
4. Measuring materials thermal conductivity of ITP-MG4;
5. A1214 expert ultrasonic flaw detector;
6. Installation of IIRT-5M.