

## ADMISSION TERMS :

- Applicants take exams in Chemistry, Mathematics and Russian.
- School leavers submit Single State Exam results.
- Graduates of technical schools, secondary vocational schools, high professional education, foreign citizens, disabled people take exams in traditional form.

The program is full-time on budget basis and paid basis.

The term of full-time studies: 4 years.

Official site:  
iate.obninsk.ru

Admission Committee:  
priem.iate.obninsk.ru

Net school:  
school.mephi.ru

### ADDRESS :

249040, Obninsk, Studgorodok st., 1

### TELEPHONE :

+7(484)393-69-61



### INTERNATIONAL CAMPUS

- ecologically clean place
- complex of dormitories for 2000 students
- comfortable social environment
- developed infrastructure
- students' theater
- sports club

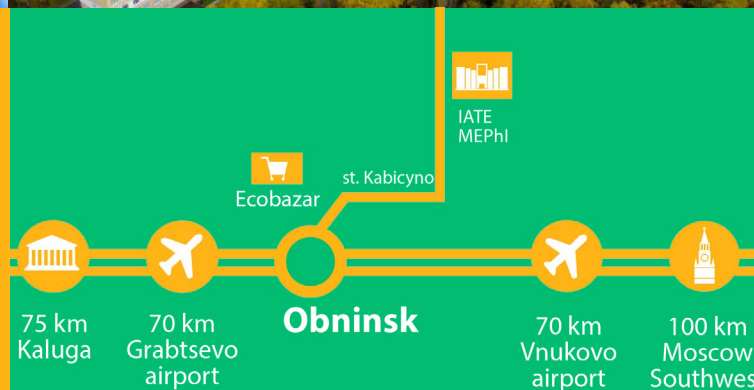


## MASTER'S DEGREE

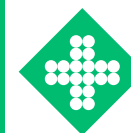
Educational programs are developed in the interests of employers. Practical training in laboratories of the leading companies. Efficient employment system. Startups support.

## POST GRADUATE COURSE

Research in breakthrough fields of science. Research advisors are scientists of world level. Assistance in winning grants. Access to equipment of our partner-organizations.

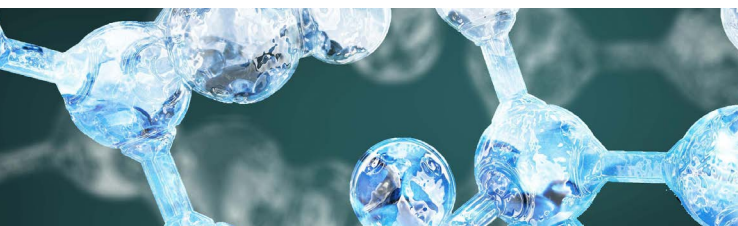


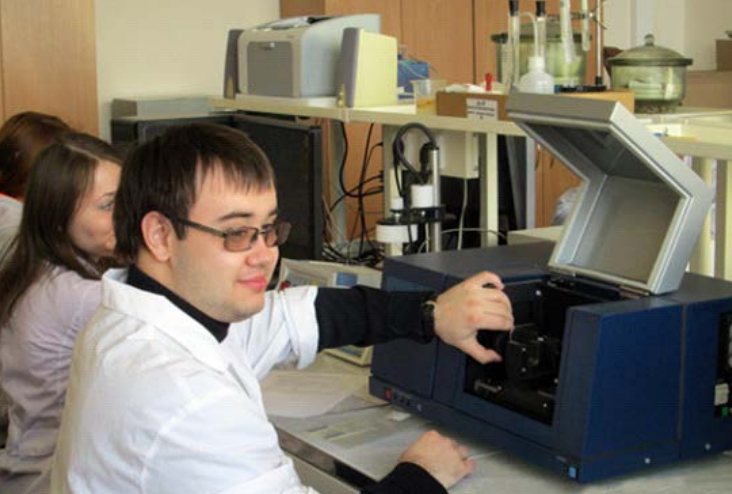
THE SCHEME OF TRAVEL TO THE IATE MEPhI



# INSTITUTE OF ENGINEERING PHYSICS FOR BIOMEDICINE

EDUCATIONAL PROGRAM  
**04.03.01 CHEMISTRY**





## GENERAL INFORMATION

### HEAD OF EDUCATIONAL PROGRAM



PhD Chemistry,  
Associate Professor  
Alla Shilina

asshilina@iate.obninsk.ru  
+7 484 397-94-90

Program Profile:  
"Analytical Chemistry"  
Qualification: Bachelor

### TARGETS

Preparing of bachelors capable of solving the tasks in professional activities including scientific/research work related to the use of chemical phenomena and processes; production-technological, pedagogical and organizational-administrative activities.

### OBJECTIVES

To perform professional functions in scientific activities, and also in economics industries related to chemistry; to control hi-tech equipment, to work with information systems.

### MAJOR DISCIPLINES

- Inorganic chemistry
- Elements of substance structure
- Analytical chemistry
- Basics of radiochemistry
- Physical chemistry
- Organic chemistry
- High-molecular substances
- Colloid chemistry
- Physical methods of research
- Basics of spectroscopic analysis methods
- Introduction to chromatographic analysis methods
- Introduction to electroanalytical chemistry
- Chemical technology
- History and methodology of chemistry
- Analysis of real-world objects
- Basics of separation and concentration
- Complex compounds
- Radiation chemistry

### ADVANTAGES OF EDUCATIONAL PROGRAM

- Available necessary material and technical resources, highly professional team of professors implementing the fundamental training process of analytical chemists under the curriculum approved by chemical faculty of MSU named after M.V. Lomonosov
- Broad partner contacts allowing to assist the graduates' employment. Specialists of major hi-tech companies and organizations are among our graduates.



### EMPLOYMENT FOR GRADUATES. CAREERS. PARTNERS OF THE PROGRAM.

- Many bachelor graduates successfully pass entrance exams in profile (chemistry, pharmaceuticals) master programs of IATE MEPHI and master programs of Moscow universities.
  - Bachelor graduates successfully work in chemical and chemical-pharmaceutical companies ("BION", "Novo Nordisk", "Berlin-Pharma", "Hemopharm", "Niarmedik", "Loreal" and others) and fuel-power and engineering companies, at NPPs, research institutes of Obninsk and other Russian cities.
- Our business partners are:
- scientific centers of the first Russian Science City (RF SSC IPPE, RF SSC Karpov Institute of Physical Chemistry, MRRC named after A.F. Tsyb, JSC "TYPHOON", RIHMI-WDC, RIRAE and others);
  - companies of pharmaceutical cluster;
  - city and region administration;
  - innovation and design organizations.

A number of our graduates have completed their PhD works and head the research areas in Obninsk institutes.

