



015 – Professional Education (Study program - Computer Technology) (Academic Degree: Bachelor's and Master's Degree)

The students of this specialty obtain effective theoretical and practical training in the field of:

- computer programming in different areas;
- organisation of information systems for administrating and training;
- working with intellectual and expert systems;
- working with network technologies, Internet technologies and Web-design;
- working with multimedia products, large-format telecommunications and creating presentations;
- working with systems for the computer-aided design;
- General and Developmental Psychology, Occupational Psychology;
- organization and realization methods of training courses in Computer Science profiles in vocational training institutes.

Work is expected to be able to perform:

- to create and use computer technologies while administrating and training;
- to transfer knowledge in the fields of Psychology, Pedagogy and Engineering (Computer Technology) to the students of vocational education institutions while administrating and training, to the students of higher education institutions ;
- to transfer knowledge in the fields of Psychology, Pedagogy and Electrical Engineering while administrating and training.

As experts in the field of technical processes administration graduating students can occupy such positions as:

- a software development engineer (programmer engineer);
- an operator of electronic computer technology;
- an electronic engineers;
- a design engineer of computing systems and software;
- an expert in the field of programming;
- an administrative assistant, an administrative secretary.

As experts in the field of Education graduating students can occupy such positions as:

- a teacher of practical computer technologies training in vocational education institutions;
- a resource teacher of the highest category;
- an assistant;
- a research assistant;
- a senior laboratory assistant of education process;
- the head of the laboratory study;
- a vocational instructor;
- a methodologist.

Differentiation from other specialties of ITF:

In the process of training in specialty 015 – Professional Education (Specialization - Computer Technology) specialists obtain double specialization: pedagogical and engineering fields of computer technologies. The students acquire engineering competences in the area of computer technologies; skills of design and employ computer technology while administrating and learning; get knowledge in the fields of Psychology, Pedagogy. They

master the methods of teaching vocational subjects and have the right to teach Computing Sciences and Psychological / Pedagogical Disciplines in vocational education institutions.



015 – Professional Education
(Study program - Electromechanics and Electrotechnics)
(Academic Degree: Bachelor's Degree)

The students of this specialty obtain effective theoretical and practical training in the field of:

- providing serviceability and trouble-free operation of electromechanical instruments and equipment;
- preventive maintenance and repair services of electromechanical equipment;
- developing a strategy plan on improving energy efficiency of electromechanical equipment;
- teaching of electrotechnical and electromechanical courses in vocational training institutes.

Work is expected to be able to perform:

- to develop and apply energy efficient electromechanical equipment while administrating and training,
- to transfer knowledge in the fields of Psychology, Pedagogy and Electrical Engineering to the students of vocational education institutions while administrating and training.

As experts in the field of electrotechnics and electromechanics graduating students can occupy such positions as:

- an associate engineer of control and measuring instruments;
- an electrical associate commissioning engineer of electromechanical systems;
- an associate commissioning engineer of automated management systems;
- an associate commissioning engineer of industrial facilities' electric motor drive;
- a production line supervisor;
- a workshop foreman of specialized machinery and equipment (industrial) ;
- a supervisor of complex automation and telemechanics;
- an instructor of industrial training for widespread worker's professions;
- a process engineer-instructor.

As experts in the field of Education graduating students can occupy such positions as:

- a teacher of specialized courses and a practical vocational training teachers at vocational training institutions; a process engineer-instructor;
- a resource teacher; an assistant; a methodologist;
- a senior laboratory assistant of education process;
- the head of the laboratory study;
- an instructor of industrial training for widespread worker's professions.

Differentiation from other specialties of ITF:

In the process of training in specialty 015 – Professional Education (Specialization (Study program) - Electromechanics and Electrotechnics) specialists obtain double specialization: pedagogical and engineering fields of Electromechanics and Electrotechnics. The students acquire engineering competences in electrotechnical sector while managing and studying;

get knowledge in the fields of Psychology, Pedagogy. They master the methods of teaching vocational subjects, in the meantime and have the right to teach electrotechnical courses in vocational education institutions.