Ministry of Education and Science of Ukraine

Zhytomyr State Technological University

Faculty of Information and Computer Technology

The Dean of the Faculty:

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The advantages of studying at the Faculty:

- high quality mathematical and computer training

- the opportunity to complete courses in CISCO and Microsoft with obtaining the appropriate certificates;

- the latest versions of Microsoft software, acquired by Microsoft Dreamspark;

- graduates of the faculty work at famous national and international companies;

- the international relations of departments enable the students to optionally obtain additional degrees from leading universities in Europe.

Department of Software Systems

Training direction 6.050103 "SOFTWARE ENGINEERING" qualification – BACHELOR duration of training – 3 years and 10 months (for college graduates training period may be reduced)	Specialty 7. 05010301 / 8. 05010301 " SYSTEM SOFTWARE" qualification – SPECIALIST / MASTER duration of training – 1 year

The graduates are involved into different types of activities, such as:

- The software development for general and specific purposes, calculations using automatic design systems, documentation development;
- The development of new and the improvement of existing software, computer network software installation and support;
- Technical support and software modification, finding computer faulty nodes;
- Testing and experimental research of the developed software products.

We are proud of our graduates, as they work as:

- Developer;
- System Administrator;
- Web site developer;
- Web Designer;
- Computer Network Administrator and Designer;
- Software Tester;
- Database Administrator;
- Head of Computer Center;
- Lecturer at University.

Department of Computerized Control Systems and Automation

Training direction 6.050201 "SYSTEM ENGINEERING" qualification – **BACHELOR** duration of training – 3 years and 10 months (for college graduates training period may be reduced)	*Specialty* 7.05020101 / 8.05020101 "COMPUTERIZED CONTROL SYSTEMS AND AUTOMATICS" qualification – **SPECIALIST / MASTER** duration of training – 1 year

The graduates are involved into such engineering activities as:

- Modern computer systems design, including computer networks;
- The development and maintenance of information systems, technical objects and technological processes control systems;
- Computer design of mathematical models and system modeling software development;
- Automatic and electronic equipment development;
- Installation and maintenance of computer network software.

The graduates work as:

- Computer System Engineer;
- Computer System Analyst;
- Telemechanics and Automation Technician;
- Appliances and Equipment Technician;
- Computer System Researcher;
- Chief Expert in Automation;
- Head of Control Devices and Automation Laboratory;
- Head of Enterprise Technical Unit;
- Lecturer at University.

Department of Automated Control of Industrial Processes and Computer Technologies

Training direction 6.050202
"AUTOMATION AND COMPUTER INTEGRATED TECHNOLOGIES"
qualification – **BACHELOR**
duration of training – 3 years and 10 months
(for college graduates training period may be reduced)

Specialty 7.05020201 / 8.05020201
"AUTOMATED CONTROL OF INDUSTRIAL PROCESSES"
qualification – **SPECIALIST / MASTER**
duration of training – 1 year

The graduates are involved into various types of engineering activities, including:

- Designing: the development of automated systems for technological parameters and processes control;
- Project-making: the development of automated control systems at preconstruction stages;
- Technological: automated system establishment;
- Operating: automated system maintenance;
- Managerial: automated control system operation.

The graduates occupy such positions as:

- Production Automated Control System Engineer;
- Chief Expert in Automated Control Systems;
- Chief Expert in Automated Systems Establishment and Adjustment;
- Chief Expert in Measuring Devices and Automatics;
- Head of the Automation Production Processes Department;
- Head of Enterprise Technical Unit;
- Lecturer at University.

Department of Radio Engineering, Electronic Devices and Telecommunications

Training direction 6.050901
"RADIO ENGINEERING"
qualification – **BACHELOR**
duration of training – 3 years and 10 months
(for college graduates training period may be reduced)

Specialty 7.05090101 / 8.05090101
"RADIO ENGINEERING"
qualification – **SPECIALIST / MASTER**
duration of training – 1 year

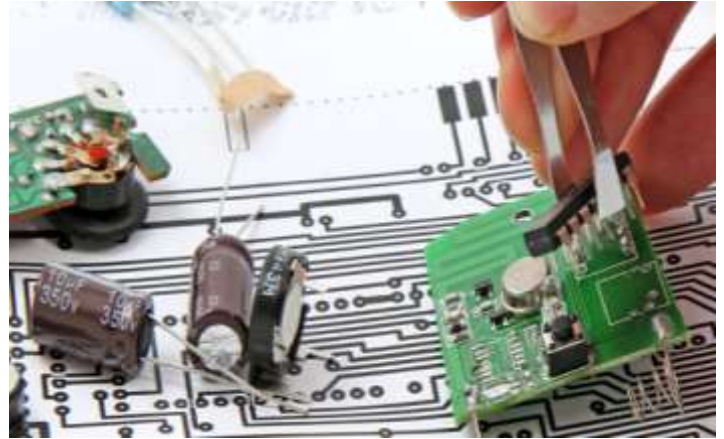The graduates work at the enterprises, which produce, assembly and perform specialized repair of:

- the equipment and systems for generation, formation, control, radiation, acceptance, processing and retrieving information in radio and optical range of electromagnetic waves;
- control devices, including electronics for measurement, control and testing electric and nonelectric variables;
- navigation, meteorological, geophysical and related equipment; control and automatic devices; seismographs, autopilots, ultrasonic sounding instruments, air navigation equipment and systems for radar tracking, remote control devices;
- computers and other information processing equipment.

The graduates occupy the following positions:

- engineer on radio navigation and radiolocation;
- chief of radio station;
- head of radio television broadcast station;
- laboratory chief;
- principal electro radio navigator;
- head of radio technical unit at the enterprise;
- lecturer at the University.

Department of Radio Engineering, Electronic Devices and Telecommunications

The graduates work at the enterprises, which produce, assembly and repair of:

- testing equipment and electronic devices for measurement and control of electric and nonelectric variables;
- computers and other information processing equipment;
- radio, television and communication equipment;
- medical, surgical and orthopedic equipment, including electronics and diagnostics devices used in general medicine.

The graduates work as:

- electronics engineer;
- scientific researcher in electronics;
- radio electronics chief engineer;
- chief of electronics;
- chief expert in electronic equipment;
- chief of radio laboratory;
- head of radio unit at the enterprise;
- lecturer at University.

Department of Radio Engineering, Electronic Devices and Telecommunications

Training direction 6.050903 "TELECOMMUNICATIONS"
qualification – **BACHELOR**
duration of training – 3 years and 10 months
(for college graduates training period may be reduced)

Specialty 7.05090204 / 8.05090204
"TELECOMMUNICATIONS TECHNOLOGY AND DEVICES"
qualification – **SPECIALIST / MASTER**
duration of training – 1 year

The graduates are involved into the following types of engineering activities:

- design of telecommunication systems, intelligent telecommunication media, telecommunication system digital technologies for satellites;
- maintenance of communication systems of all types: channels, stations, equipment, cable networks, antennas; radio control implementation;
- research and development in the sphere of communication;
- broadcast equipment assembly and installation.

The graduates occupy the following positions:

- radio and television engineer;
- telecommunication linear structure engineer;
- cellular network engineer;
- researcher in telecommunication;
- head of laboratory;
- head of technical unit at the communication company;
- lecturer at the University