

МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ
ТЕРНОПІЛЬСЬКИЙ НАЦІОНАЛЬНИЙ ТЕХНІЧНИЙ УНІВЕРСИТЕТ
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Кафедра комп'ютерних систем та мереж

МЕТОДИЧНІ ВКАЗІВКИ
до проходження навчальної практики
для іноземних студентів
за професійним спрямуванням вищої освіти
6.050102 „Комп'ютерна інженерія”

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Укладачі: к.т.н., доц. Осухівська Г.М., к.т.н. Шингера Н.Я.

Рецензент: к.т.н., доц. каф. КН Загородна Н.В.

Відповідальний за випуск: в.о. зав. каф. КС, д.т.н., доц. Осухівська Г.М.

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GUIDELINES FOR THE PRACTICAL TRAINING OF STUDENTS OF THE BACHELOR DEGREE PROGRAM

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INTRODUCTION

The educational and professional program and course description of 6.050102 "Computer Engineering" training direction involves the practical training for students. The aim of practical training is mastering by students modern methods and forms of work organization in the field of their future profession; forming their professional abilities and skills that are based on the knowledge obtained in the educational establishment.

According to the curriculum for 6.050102 "Computer Engineering" training direction the first-year full-time training students need to pass the three-week practical training in the second semester. This type of practical training intends to introduce the chosen specialty for the students and help them to gain practical skills on major specialty.

Practical training is performed on the bases of practice that are accordingly equipped enterprises, institutions, etc.

The passing of practice is a self-study student's work directly at the workplace. During practice passing the students have to familiarize with their specialty and analyze computer systems and networks in a particular enterprise; form their practical skills according to the task.

1 CONTENT, AIMS AND TASKS OF PRACTICAL TRAINING

1.1 Goal of the practical training

For verification of the chosen study degree program, for a sufficient understanding of technical lectures and tutorials as well as a preparation for future work, practical trainings in companies (internships) which offer an insight into future occupation fields are essential. The practical training of students of the bachelor degree program is one of the substantial preconditions for a successful course of study and it forms an important part of the education. The students should obtain knowledge about technical materials and processes used in practice as well as procedures applied for their selection and control and gain insights into social processes and structures in the companies.

The tasks of practical training include:

- deepening knowledge acquired at the university;
- mastering practical skills at the practical training base workplace;
- accumulation of independent work experience according to the specialty;
- familiarization with devices, material and energy resources that are used at the practical training base;
- familiarization with characteristics, parameters and appointment of computers that are used at the practical training base;
- familiarization with standardization measures at the practical training base;
- familiarization with work safety measures, sanitation and hygiene;
- familiarization with the types of documents used at the enterprise, documents production, storage and transmission;

– familiarization with characteristics of computer systems that are used at the practical training base.

1.2 Duration, structure and schedule of the practical training

The practical training lasts 3 weeks.

The verification of carrying out the internship according to the guidelines as well as the possible accreditation from this takes place after the start of studies. For this, full documentation of the practice (report and practice blog) must be submitted to the department at the beginning of the next semester without any specific reminder.

Names of structural modules and topics	Number of hours					
	Total	Including				
		lec	lab	prac	ind	self study
Thematic module 1. The accomplishing of practical training programme						
Topic 1. Work safety and fire safety instructions. Familiarization with the structure of the company. Studying of job descriptions.	27	-	-	-	-	27
Topic 2. Workplace hardware and software. Specific features of their operation.	27	-	-	-	-	27
Topic 3. Familiarization with modern methods, forms of organization and technical facilities in computer technology used at the workplace.	27	-	-	-	-	27
Topic 4. Problems that are solved with the use of computer technology and equipment at the company.	27	-	-	-	-	27
Topic5. Personal participate in scheduled and unscheduled works carried out at the company.	27	-	-	-	-	27
Total on thematic module 1	135	-	-	-	-	135
Thematic module 2. Report defense						
Topic 1. Making report on practical training	27	-	-	-	-	27
Total on thematic module 2	27	-	-	-	-	27
Total	162	-	-	-	-	162