



Ukrainian Engineering Pedagogics Academy

This project has been funded with support from the European Commission. This communication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Erasmus+ Project KA2: CBHE “New mechanisms of partnership-based governance and standardization of vocational teacher education in Ukraine” (PAGOSTE)
609536-EPP-1-2019-1-DE-EPPKA2-CBHE-SP



Co-funded by the
Erasmus+ Programme
of the European Union



Rector of the
Ukrainian Engineering Pedagogics Academy
D.Sc. in Pedagogical Sciences,
Professor
Olena Kovalenko



tel.: +380-057-7312862
fax: +380-057-7313236
e-mail: rektor@uipa.edu.ua

**Ukrainian
Engineering
Pedagogics
Academy**



Co-funded by the
Erasmus+ Programme
of the European Union

The status of training in the education program «Vocational education (by specialization)» in the UEPA: problems and achievements, solutions through the project

*Rector of the Academy
D.Sc. in Pedagogical Sciences
Professor
Olena Kovalenko*



Ukrainian Engineering Pedagogics Academy trains teachers in the field of vocational education and training (VET)



State Higher Education Institution

Ukrainian Engineering Pedagogics Academy



We have the state certificate for the system of management of quality ISO 9001:2009 and international accreditation certificate of IGIP.

Erasmus+ Project KA2: CBHE "New mechanisms of partnership-based governance and standardization of vocational teacher education in Ukraine" (PAGOSTE) 609536-EPP-1-2019-1-DE-EPPKA2-CBHE-SP



Co-funded by the Erasmus+ Programme of the European Union



Accession to the Magna Charta Universitatum



- In April 2017 an application and a package of documents for accession to **the Magna Charta Universitatum** were submitted.
- In May 2017, at the meeting of the Charta Council in Bologna (Italy), the application was considered and the academy was approved to sign the Magna Charta Universitatum.
- The signing ceremony took place on August 30th, 2017 in Pecs (Hungary)



Erasmus+ Project KA2: CBHE “New mechanisms of partnership-based governance and standardization of vocational teacher education in Ukraine” (PAGOSTE)
609536-EPP-1-2019-1-DE-EPPKA2-CBHE-SP



Co-funded by the
Erasmus+ Programme
of the European Union

In our university we have grand comfortable and functional-style campuses situated in two cities Kharkiv and Bahmut.

PAGOSTE



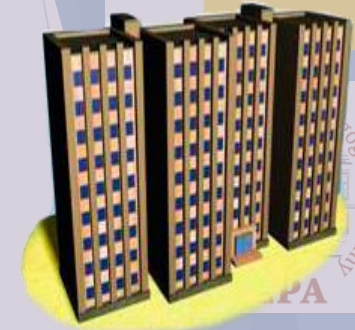
Kharkiv, Universitetskaya St., 16
Ukrainian Engineering Pedagogics Academy
The Main and Educational Buildings



Hostel №1
O. Yarosha Al., 9



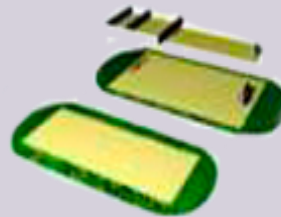
Hostel №2
Plehanivska St., 43



Hostel №3
Krasnodarska St.1716



Educational and Research Centre, Stadium Muranova St., 23a
Grekivska St., 79



Educational Building,
Pomirky St., 27



Bahmut,
Educational Building



Bahmut, Educational Building



Slavyansk, Educational Building



Buymerivka
Sport and Health Camp

“New mechanisms for the implementation of the Erasmus+ Programme of the European Union (PAGOSTE) 609536-EPP-1-2019-1-DE-EPPKA2-CBHE-SP

Co-funded by the Erasmus+ Programme of the European Union

The Academy works in three directions:

SCIENTIFIC

- innovation scientific research and projects in the field of higher education, vocational education and new technology in industries;
- research with awarding the Ph.D. and D.Sc. degrees in the field of vocational education

SCIENTIFIC AND METHODOLOGICAL

- elaboration and implementation of standards and programs of vocational teacher education for the whole Ukraine;
- setting up new technology and methodological support for training VET teachers

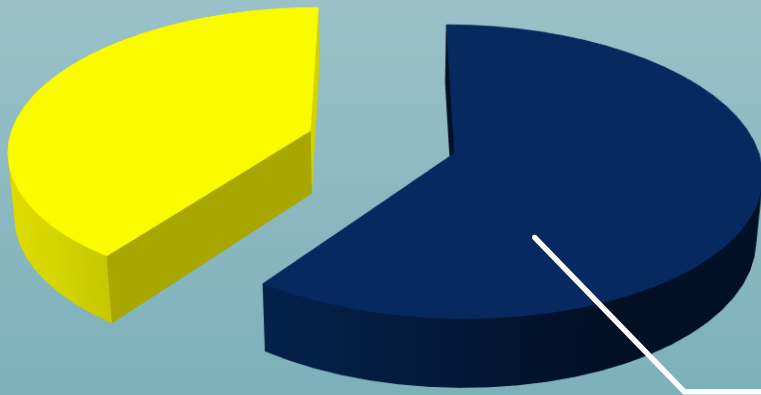
EDUCATIONAL

- training VET teachers according to the Junior Bachelor's, Bachelor's and Master's degree levels
- advanced training of VET teachers (according to IGIP)
- postgraduate studies in the field of vocational education





The main target of Ukrainian Engineering Pedagogics Academy is to establish and implement the system of training in the education program (speciality) “Vocational Education (by specialization)”.



60% of the licensed volume of UEPA is the speciality "Vocational Education (by specialization)"



So, there is a special sphere of education,
such as

Vocational teacher education

which trains pedagogical staff for the
system of vocational education and training.

This speciality name is
“Vocational education
(by specialization)”.

The specialization includes different
branches of the industry and economy.





This speciality has started its formation and development since 1975 in the time of the Soviet Union.

Two specialized higher education institutions had this education program in the time of the Soviet Union:

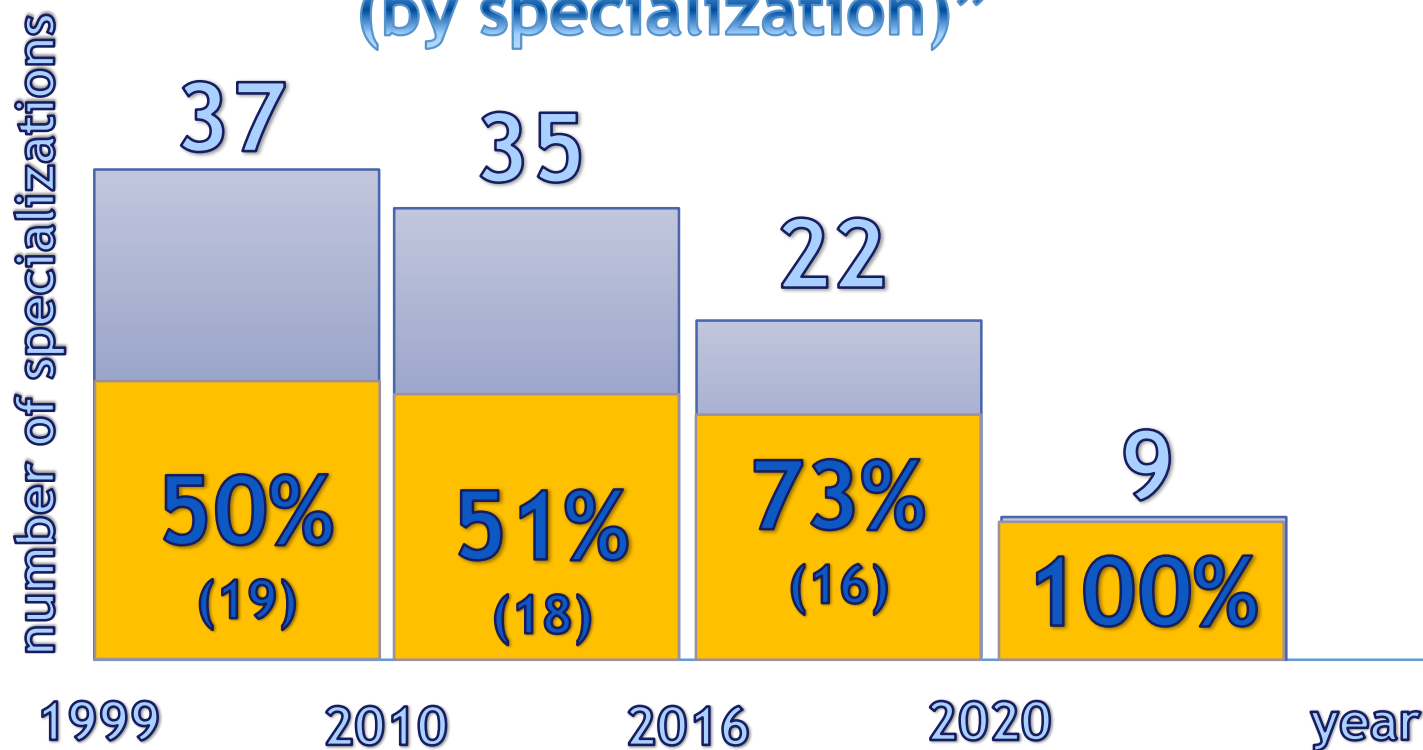
- ❖ In Ural - Sverdlovsk Engineering and Pedagogical Institute
- ❖ In the Ukrainian Republic - Kharkiv Engineering and Pedagogical Institute (Ukrainian Engineering Pedagogics Academy).

The scientific and pedagogical staff of UEPA have always been focusing on improving quality of training teachers in the field of vocational education.

This education program has always been developing according to changes in spheres of the national economy and processes of the globalization and integration.



Changes in the specializations of the education program “Vocational Education (by specialization)”



UEPA has always had the license from 50% to 80% of existing specializations.

Nowadays UEPA trains students according to all nine specializations.



Co-funded by the Erasmus+ Programme of the European Union

List of specializations of training higher education students in the speciality “Vocational education (by specialization)”

1. Building and welding.
2. Electronics, metrology and radio telecommunications.
3. Power engineering, electrical engineering and electromechanics.
4. Machinery engineering.
5. Mining, processing and transportation of fossil fuels.
6. Technology of consumer goods manufacturing.
7. Agricultural production, processing of agricultural products and food technology.
8. Transport.
9. Digital technology.



The uniqueness of this speciality
allows students

*Only in 5 years!!!
to receive*

**SPECIAL TRAINING IN A
CORRESPONDING BRANCH OF
INDUSTRY:**

machine building, power
engineering, computer technologies,
printing, textile and light industry,
food technology, welding, automobile
and industrial transport

**PSYCHOLOGICAL
PEDAGOGICAL
TRAINING**

**WORKING
PROFESSION**

The graduates of this education program are:

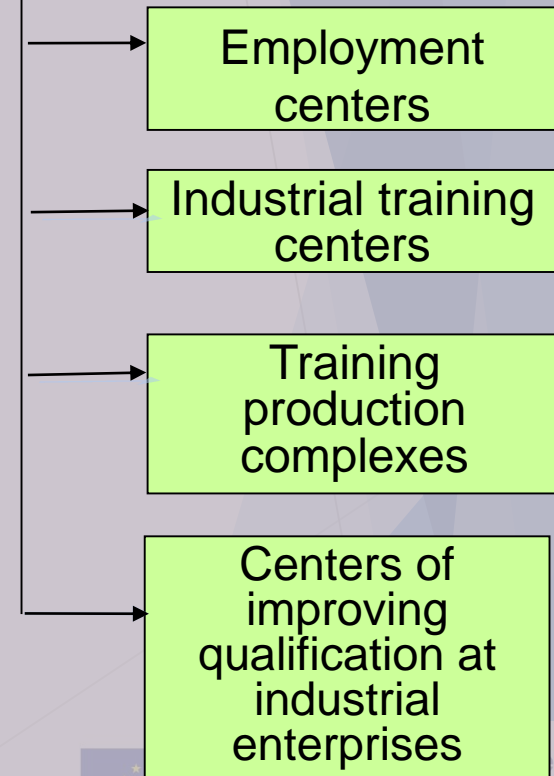
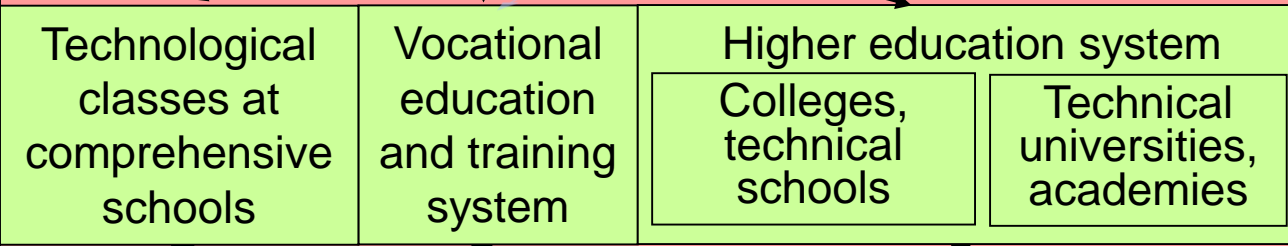
- of great demand at the labour market
- provided with job
- socially protected in modern conditions



Places of work of graduates of the speciality “Vocational Education (by specialization)”

The system of education

Economy and industry



Positions

Pedagogical workers

- Teacher
- Instructor

Specialist in servicing the educational process

- Power engineering specialist
- Mechanic
- Methodologist
- Accountant
- Engineer



PAGOSTE



UEPA scientific and pedagogical staff members constantly work in the groups of MES of Ukraine on establishing standards of the speciality “Vocational Education (by specialization)”.





Today, we have been determining competencies and basic characteristics of VET teachers and the ways of their reflection in the content of vocational teacher education.



The professional and pedagogical components are integrated into the vocational teacher training program started with the first year.

PAGOSTE



Problems and solutions



BACKGROUND

- False stereotypes in the society about *VET teachers*.
- Low marketing.
- The lack of vocational guidance work among school graduates.



PROBLEM

- Low prestige of *VET teachers*.



SOLUTION

Setting up the system of marketing, vocational guidance and career counselling for young people and adults about the attractiveness of *VET teachers*.

Need for a special department of marketing, vocational guidance and career counselling for young people and adults.

Problems and solutions

BACKGROUND

- Rapid changes in the Education Legislation of the Higher Education and VET systems.
- Reforming the Higher Education and VET systems.



PROBLEM

- The programs of vocational teacher training do not reflect all requirements of employers (vocational schools, industry enterprises and other stakeholders).



SOLUTION

- Establishing permanent councils involving employers with the aim of:
- setting up PBG mechanisms between employers (industrial enterprises and vocational schools) and higher education institutions, which offer vocational teacher training;
 - improving the existing education program “Vocational education (by specialization):
 - ✓ monitoring the labour market;
 - ✓ analysis of requirements for VET teachers and their reflection in the education standards;
 - ✓ formation of new content of the curriculum;
 - ✓ revealing the potential of implementing dual education within the speciality «Vocational education (by specialization)».

PAGOSTE



Need for a special permanent council with the involvement of employers.

Co-funded by the Erasmus+ Programme of the European Union

Problems and solutions



BACKGROUND

- Changes in the vocational education and training system:
 - ✓ organizational (the emergence and development of new organizational forms of training personnel at enterprises);
 - ✓ qualitative (increased demands on the quality of training).



PROBLEM

- Teaching of instructors for centres of training personnel at enterprises.
- Advanced training for pedagogical staff in the vocational education and training system.



SOLUTION

- Setting up programs of education of teaching instructors for centres of training personnel at enterprises.
- Establishing the system of advanced training for pedagogical staff in the vocational education and training system.

Need for a special department of adult education.

Changes in the Organigram of UEPA, which are needed to solve these problems

NEW DEPARTMENTS OF UEPA

The department of marketing, vocational guidance and career counselling for young people and adults

The permanent council with the involvement of employers

The department of adult education





I want to express my gratitude to all members of the PAGOSTE project, because it is very prestigious and interesting for our Academy to be a part of this project. As you saw the topic of the project is related to the main targets of our academy.

Especially I want to thank the whole team of the University of Konstanz and personally the coordinator Professor Thomas Deisinger and Dr. Oksana Melnik for preparing the joint project application at a very high professional level.

I am sure that our collaboration over the next three years will be very useful, productive and enjoyable for all partners and we will achieve outstanding results.



Kick-off Workshop, Konstanz, 17-18 February 2020

Ukrainian Engineering Pedagogics Academy

The status of training in the speciality «Vocational education (by specialization)» in the UEPA: problems and achievements, solutions through the project

Thank you for attention

*Rector of the Academy
D.Sc. in Pedagogical Sciences
Professor
Olena Kovalenko*

Erasmus+ Project KA2: CBHE “New mechanisms of partnership-based governance and standardization of vocational teacher education in Ukraine” (PAGOSTE)
609536-EPP-1-2019-1-DE-EPPKA2-CBHE-SP



Co-funded by the
Erasmus+ Programme
of the European Union